

- 110-608A CHAUCER I. THE CANTERBURY TALES. (3)
- 110-609B CHAUCER II. TROILUS AND CRISEYDE AND OTHER POEMS. (3)
 - 110-615A,B SHAKESPEARE. (3)
- 110-616A,B ELIZABETHAN AND JACOBAN DRAMA. (3)
- 110-640B THE AMERICAN NOVEL. (3)
 - 110-661A,B SEMINAR OF SPECIAL STUDIES. (3)
 - 110-662A,B SEMINAR OF SPECIAL STUDIES. (3)
 - 110-665A,B STUDIES IN AMERICAN LITERATURE AND INTELLECTUAL HISTORY. (3)
 - 110-675A,B LITERARY CRITICISM. (3)
 - 110-680A,B CANADIAN LITERATURE. (3)
 - 110-681A,B M.A. RESEARCH PAPER PREPARATION I. (3)
 - 110-682A,B M.A. RESEARCH PAPER PREPARATION II. (3)
 - 110-683A,B M.A. RESEARCH PAPER PREPARATION III. (3)
 - 110-684D,N,K,E,C,L,T M.A. RESEARCH PAPER. (15)
 - 110-687A,B RESEARCH SEMINAR. (3)
 - 110-690A,B SEMINAR OF SPECIAL STUDIES. (3)
 - 110-694A BIBLIOGRAPHY AND RESEARCH METHODS. (3)
 - 110-695A,B M.A. THESIS PREPARATION I. (3)
 - 110-696A,B M.A. THESIS PREPARATION II. (3)
 - 110-699D,N,K,E,C,L,T M.A. THESIS. (24)
 - 110-708A,B STUDIES IN A LITERARY FORM. (3)
 - 110-710A RENAISSANCE STUDIES. (3)
 - 110-714A,B RENAISSANCE POETRY. (3)
 - 110-716A,B SPECIAL STUDIES IN SHAKESPEARE. (3)
 - 110-722A,B MILTON. (3)
 - 110-726A,B NARRATIVE PROSE OF THE 18TH CENTURY. (3)
 - 110-727A,B AUGUSTAN POETRY. (3)
 - 110-728B THE LATER 18TH CENTURY. (3)
 - 110-730A,B ROMANTIC THEORY AND POETRY. (3)
 - 110-731A 19TH CENTURY STUDIES. (3)
 - 110-733A,B THE VICTORIAN NOVEL. (3)
 - 110-734A,B STUDIES IN FICTION. (3)
 - 110-736A,B MODERN POETRY. (3)
 - 110-746B THE 19TH CENTURY. (3)
 - 110-757A,B MODERN DRAMA. (3)
 - 110-761A,B 20TH CENTURY NOVELISTS. (3)
 - 110-770A STUDIES IN AMERICAN LITERATURE. (3)
 - 110-775B RECENT AMERICAN AND CANADIAN LITERATURE. (3)
 - 110-776A,B FILM THEORY. (3)
 - 110-785A STUDIES IN LITERARY THEORY. (3)
 - 110-786A RESEARCH SEMINAR. (3)
 - 110-787A RESEARCH SEMINAR I. (3)
 - 110-788B RESEARCH SEMINAR II. (3)

COURSES RESTRICTED TO Ph.D. CANDIDATES

- 110-745D INTRODUCTORY SEMINAR FOR Ph.D. STUDENTS.
- 110-791D DOCTORAL COMPREHENSIVE EXAMINATION, PART I.
- 110-792D DOCTORAL COMPREHENSIVE EXAMINATION, PART II.
- 110-793D DOCTORAL COMPREHENSIVE EXAMINATION, PART III.
- 110-794D DOCTORAL COMPREHENSIVE EXAMINATION, PART IV.
- 110-795D DOCTORAL COMPREHENSIVE EXAMINATION, PART V.
- 110-796A,B OPTIONAL RESEARCH PROJECT. (6)
- 110-797A,B COMPULSORY RESEARCH PROJECT. (6)
- 110-798A,B DISSERTATION PROPOSAL. (3)

31 Epidemiology and Biostatistics

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Chair — G. Thériault

31.1 Staff

Emeritus Professors

M.R. Becklake; B.Ch.Hon., M.D. (Witw.), F.R.C.P.
F.D.K. Liddell; M.A. (Cantab.), Ph.D. (Lond.)
J.C. McDonald; M.B. B.S. (Lond.), M.D. (Lond.), M.Sc. (Harvard),
M.R.C.P. (Lond.), F.R.C.P. (Can)
W.O. Spitzer; M.D. (Tor.), M.H.A. (Mich.), M.P.H. (Yale),
F.R.C.P. (C)

Professors

L. Abenheim; M.D. (Paris), M.Sc.(McG.)
R. Battista; B.A., M.D.(Montr.), M.P.H., Sc.D.(Harv.)
J.F. Boivin; M.D.(Laval), S.M., Sc.D.(Harv.)
E.L.F. Franco; M.P.H., Dr.P.H.(Chapel Hill)
J.H. Hanley; B.Sc., M.Sc.(N.U.I.), Ph.D.(Wat.)
T. Hutchinson; M.B., B.Ch., B.A.O.(Dub.)
M.S. Kramer; B.A.(Chic.), M.D.(Yale)
A. Lippman; B.A.(C'nell) Ph.D.(McG.)
J. McCusker; M.D.(McG.), M.P.H., Ph.D.(Col.)
O.S. Miittinen; M.D.(Helsinki), M.P.H., M.S., Ph.D.(Minn.)
I.B. Pless; B.A., M.D.(W.Ont.)
S.H. Shapiro B.S.(Bucknell), M.S., Ph.D.(Stan.)
S. Suissa; M.Sc.(McG.), Ph.D.(Flor.)
G. Thériault; M.D.(Laval), Dr.P.H.(Harv.)
S. Wood-Dauphinee; B.Sc.(Phys.Ther.), Dip. Ed., M.Sc.A.,
Ph.D.(McG.)

Associate Professors

M. Abrahamowicz; Ph.D.(Cracow)
E. Beck; M.B.B.S., B.Med.Sci.(Monash); M.Sc., Ph.D.(London)
Y. Bergevin; M.D.C.M., M.Sc.(McG.)
A. Ciampi; M.Sc., Ph.D.(Queen's), Ph.D.(Rome)
J.P. Collet; M.D.(C.B., Lyon), Ph.D.(McG.)
G. Dougherty; M.D., M.Sc.(McG.) (joint appt. with Pediatrics)
P. Ernst; M.Sc.(McG.), M.D.(Montr.)
T. Gyorkos; B.Sc.(McG.), M.Sc.(Bishop's), Ph.D.(McG.)
C. Hankins; B.A., M.D.(Calgary), M.Sc.(London), C.C.F.P.(C),
F.R.C.P.(C)
L. Joseph; M.Sc., Ph.D.(McG.)
T. Kosatsky; B.A., M.D. (Manit.), M.P.H. (Emory) (PT)
C.P. Larson; M.D.C.M., M.Sc.(McG.) (joint appt. with Pediatrics)
J.D. MacLean; M.D.(Queen's) F.R.C.P.(C)
R. Menzies; M.D., M.Sc.(McG.) (joint appt. with Medicine)
J. O'Loughlin; B.Sc.(Queen's), M.Sc., Ph.D.(McG.) (PT)
G. Paradis; M.D., M.Sc.(McG.) (PT)
G.S. Pekales; M.D.(Baylor), M.Sc.(McG.)
J. Pickering; B.A.(Tor.), M.D., M.Sc.(McG.) (joint appt. with
Medicine)
M. Rossignol; B.Sc., M.D.(Sher.), M.Sc.(McG.)
N. Steinmetz; B.Sc., M.D., C.M.(McG.), M.P.H.(Mich.), F.R.C.P.(C)
R. Tamblyn; M.Sc.(McM.), M.Sc.(McG.) (joint appt. with Medicine)
P. Tousignant; B.A., M.D.(Laval), M.Sc.(McG.), F.R.C.P.(C) (PT)
C. Wolfson; B.Sc., M.Sc., Ph.D.(McG.)

Assistant Professors

A. Adrien; M.D., M.Sc. (McG.)
P. Barss; B.Sc. (DTM&H Lond.), M.D.(Chic.), M.P.H., Sc.D
(Johns H.) (PT)
J. Bourbeau; B.Sc., M.D.(Laval), M.Sc.(McG.) (joint appt with
Medicine)

J. Carsley; B.A.(Yale), M.Sc., M.D.(McG.)
 R.W. Platt; M.Sc.(Man.), Ph.D. (Wash.)
 Y. Robitaille B.Sc.(Montr.), Ph.D. (McG.) (PT)
 K. Schwartzman; M.D.(McG.), M.P.H.(Harv.) (joint appt.with
 Medicine)
 G. Tan; D.Phil.(Oxon) (PT)
 T. Tannenbaum; B.A.(Brown), M.D.(Calg.), M.P.H.(Mass.)

Adjunct Professors

M. Baltzan, N. Kischuck; *Direction régionale de la santé publique*:
 R. Allard, P. Brassard, R. Lessard, R. Massé, E. Robinson, D. Roy,
 E. Roy; *Hopital Hotel-Dieu*: J. Lelorier; *Inst. Armand Frappier*:
 M.S. Goldberg, J. Siemiatycki; *U. de Bordeaux*: B. Begaud; *U. de
 Montreal*: M. Jenicek, Y. Moride, *U. of Toronto*: M. Hodge

Associate Members

Dentistry: J. Feine; *Family Medicine*: R. Guibert; *Human Nutrition
 & Dietetics* K. Gray-Donald; *Medicine*: A. Barkun, M. Behr,
 P. Dobkin, M. Eisenberg, K. Flegel, P. Fortin, S. Grover, S. Kahn,
 E. Latimer, N. Mayo L. Pilote; *Pediatrics*: F. Ducharme; *Psychiatry*:
 N. Frasure-Smith, G. Galbaud du Fort; *Surgery*: J. Sampalis

Visiting Scientist

J. Bailar; B.A.(Colorado), M.D.(Yale), Ph.D.(American University)

31.2 Programs Offered

The Department of Epidemiology and Biostatistics offers four programs of study: Diploma, M.Sc. (thesis), M.Sc. (non-thesis)* and Ph.D.

Students in the M.Sc. degree programs or the Ph.D. program may choose to follow a general program in epidemiology or specialize in biostatistics.

* The M.Sc. (non-thesis) program is not offered during the 2000-2001 academic year.

31.3 Admission Requirements

Candidates for the Diploma and the M.Sc. degree must hold a bachelor's degree or equivalent, and those for a Ph.D. must hold a Master's degree in epidemiology and biostatistics or its equivalent. Epidemiology as it is practiced today is a highly quantitative field and a good knowledge of differential and integral calculus at the level of a first year undergraduate course is required.

31.4 Application Procedures

When application is made to the Department at the M.Sc. level, students should clearly identify which M.Sc. degree they wish to consider.

Completed applications, with all supporting documents, must reach the Department by March 1st of the year to which candidate is applying.

31.5 Program Requirements

Diploma

Students must complete 30 credits, 21 of them in course work. Students must take (or be exempted from) 513-606 and 513-607. The remaining courses, to an overall total of 21 credits, should be chosen in consultation with the student's advisor. In addition, students must submit a Diploma dissertation (513-650: 9 credits) on an approved topic.

M.Sc. Degrees

The Department offers two programs of study towards an M.Sc. degree, the M.Sc. (thesis) and the M.Sc. (non-thesis). The same courses are available to all students in both programs and there is no difference in intellectual or academic rigor required. The difference lies in the breadth and depth of knowledge acquired. Students must complete a minimum of 48 credits.

Students in the non-thesis option must take (or be exempted from) 513-606, 513-607*, 513-640, 513-695, 513-621* and 513-681*. The remaining credits must include a project (513-630) and a Comprehensive Examination (513-601).

Students in the thesis option must take (or be exempted from) 513-606, 513-607*, 513-611, 513-640, 513-695, 513-621* and 513-681*. The remaining credits must include a 24 credit thesis (690) on an approved subject of research.

NB: Both options: The remaining course work must be in graduate courses chosen in consultation with the student's academic advisor or supervisor.

* Students (either option) specializing in biostatistics will be required to take 189-556 (4 credits) and 189-557 (4 credits) in place of 513-607/621/681. 513-695 is not required of students in the biostatistics stream. A description of these courses can be found in the Department of Mathematics and Statistics entry.

Ph.D. Degree

Students must complete (or be exempted from) 513-604D (Graduate Seminar) and may choose other courses in consultation with their supervisors. Students must pass a Comprehensive Examination (701), usually taken in their second year of registration. Thereafter students must submit a thesis on an approved subject of research.

31.6 Courses

Note: Special students and students from other departments or universities require the permission of the course instructor.

Courses 513-606 and 513-607 are prerequisites for most other courses.

Not all the courses are taught every year and there may be other courses offered. A Fall and Winter time-table showing scheduled courses is available from M. Abrams.

● Denotes not offered 2000-01.

513-601A,B,D M.Sc. (NON-THESIS) COMPREHENSIVE EXAMINATION. (5) The examination will be held at the end of the fourth term. It will test students' problem-solving ability and their integration and synthesis of the courses.

513-604A,B,D GRADUATE SEMINARS. (3) Scientific meetings and seminars of departmental interest. Required course for Ph.D. students.

513-605D COURSE FOR M.Sc. AND Ph.D. CANDIDATES. (3) Prescribed course of study to meet a candidate's particular requirements.

513-606A,C INTRODUCTION TO EPIDEMIOLOGY. (3) 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. (Awaiting University Approval)

513-607A INFERENCE IN STATISTICS. (4) (Prerequisite: A first year course in undergraduate differential and integral calculus.) 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. (Awaiting University Approval)

513-608D ADVANCED EPIDEMIOLOGY. (3) (Prerequisite: Ph.D. candidates or permission of instructor.) Discussion of methodologic issues in the recent literature, including causal inference, measures of disease frequency, measures of effect, epidemiologic study designs, biases, statistics in epidemiology, and special topics. Discussion of day to day practice of epidemiology. Offered in alternate years or yearly depending on demand.

● **513-610A HEALTH EVENTS IN THE POPULATION.** (2)

513-611A STUDY DESIGN AND ANALYSIS I. (3) Measurement principles in epidemiologic studies, including scale selection and questionnaire development. Principles of design and analysis of surveys and surveillance studies, and of intervention studies

(experimental and non-experimental). Meta-analysis of intervention studies. (Awaiting University Approval)

513-621B DATA ANALYSIS IN THE HEALTH SCIENCES I. (3) (Prerequisites 513-606, 513-607.) Multivariable and multivariate statistical techniques for continuous outcomes. Topics include multiple regression and analysis of variance.

513-622B APPLICATIONS OF STATISTICS IN THE HEALTH SCIENCES. (3) (Prerequisites: 513-607 and 513-621.) Discussion of the statistical issues in a series of medical research problems brought for consultation. Problem recognition and approaches to analysis will be emphasized rather than methodological techniques.

513-623B RESEARCH DESIGN IN THE HEALTH SCIENCES. (3) (Prerequisite: 513-606. Restrictions: Diploma/Degree students in Epidemiology and Biostatistics.) Lectures and discussions plus oral and written presentations by students, to provide guidance and experience in the development of objectives, for the formulation and constructive peer criticism of designs for research in the health sciences, including etiologic and evaluative, cross-sectional, case-reference and cohort studies.

513-630A,B,D RESEARCH PROJECT IN EPIDEMIOLOGY. (6) (Restricted to non-thesis M.Sc. students who have completed requirements.) 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.

513-631A,B,C,L PHARMACOEPIDEMOLOGY II. (2) (Prerequisites: 513-633, or instructor's permission, and basic knowledge of epidemiology and biostatistics.) 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 etiologic research; ii) surveillance (modelling, statistical appraisal); iii) hazard functions in pharmacoepidemiology; iv) exposure assessment.

513-632C,L CLINICAL DECISION MAKING. (3) (Prerequisite: Clinical degree.) This course will present a framework for rational decision making in the clinical setting. The approach will be quantitative and based on probability theory and decision analysis. The main objective of the course is to enable the student to apply this theory and technique to decision problems involving the individual patient, including problems of differential diagnosis, causality assessment, prognosis and treatment.

513-633A,B,C,L PHARMACOEPIDEMOLOGY I. (2) 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 drugs.

513-635A CLINICAL TRIALS. (3) (Prerequisites: 513-606, 513-607) 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.

513-637C,L INFECTIOUS AND PARASITIC DISEASE EPIDEMIOLOGY. (3) (Prerequisite: 513-606 or equivalent.) This course provides in-depth review of principles of infectious disease epidemiology and illustrates these using local and global infections of current importance. Students will gain an understanding of principles of infectious disease epidemiology and how they apply to infections in both temperate and tropical areas.

513-640B PRACTICUM. (1) This course gives students the opportunity to integrate knowledge from and apply principles covered in courses 513-606 and 513-607. (Awaiting University Approval)

513-641 TO 513-645A,B,C,D,T,L SUBSTANTIVE EPIDEMIOLOGY I TO V. (1 credit each) Each of these 1-credit courses is 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.

513-647L FUNDAMENTALS OF PHARMACOLOGY FOR EPIDEMIOLOGISTS. (1) (Prerequisite: 513-606) This course is designed for the epidemiologist who is interested in monitoring patterns of drug use. It will lay out the basic principles of pharmacology and emphasize those areas of drug therapy that have undergone the greatest change in recent years.

513-650A,B,C,D,L DIPLOMA DISSERTATION. (9) A scholarly paper tailored to the student's interests and approved by the student's supervisor.

513-651 TO 513-653A,B,C,D,L,T SELECTED TOPICS IN BIOSTATISTICS I TO III. (1 credit each) The purpose of these 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".

513-654A,B,C,D,L PHARMACOEPIDEMOLOGY IV. (2) (Prerequisites: 513-606, 513-607 or permission of instructor.) 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.

● **513-655A EPIDEMIOLOGY IN PUBLIC HEALTH.** (3) (Prerequisites: 513-606, 513-607)

513-656B,C,T HEALTH CARE TECHNOLOGY ASSESSMENT. (3) The objectives, principles, and methods of health care technology assessment will be examined and related to the policy process accompanying the diffusion of health care technology.

513-658 AND 513-659 A,B,C,D,T,L TOPICS IN BIOSTATISTICS I AND II. (1 credit each) The purpose of this 1-credit course 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".

513-660L PRACTICAL ASPECTS OF PROTOCOL DEVELOPMENT. (3) (Prerequisites: 513-606, 513-607 or equivalent.) The course is designed to give students working in groups the opportunity to develop, under guidance and criticism from instructors and fellow students, a protocol addressing a research question in their field of interest.

513-661A,B,C,D,L PHARMACOEPIDEMOLOGY III. (2) (Prerequisites: 513-631, 513-633 or permission of instructor) In this course, students are confronted with real examples of pharmaco-epidemiologic problems. Flagship studies in pharmacoepidemiology are reviewed in terms of protocol, design issues, data collection, statistical analysis and interpretation of results.

513-662L HEALTH IN DEVELOPING COUNTRIES. (3) (Prerequisites: 513-606 or equivalent.) This course will provide an introduction to health issues in developing countries, including major health problems, health determinants and strategies to improve health status. Due emphasis will be given to the primary health care strategy and to the impact of other sectors of development on health. Examples of the work of communities, ministries, non-government organizations and international agencies will be presented and discussed with particular references to issues of burden of disease, effectiveness and efficiency, feasibility, priority setting, sustainability and management.

513-663 TO 513-667 A,B,C,D,T,L SUBSTANTIVE EPIDEMIOLOGY VI TO X. (1 credit each) Each of these courses is 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.

513-668 TO 513-672 A,B,C,D,L SPECIAL TOPICS IN EPIDEMIOLOGY & BIostatISTICS. (2 credits each) Study, through lectures, guided reading, practicals, assignments etc., of an elected and approved topic of epidemiologic importance.

513-675 TO 513-679A,B,C,D,L SPECIAL TOPICS IN EPIDEMIOLOGY AND BIostatISTICS. (3 credits each) Study, through guided reading, visits, practicals, assignments, etc., of an elected and approved topic of epidemiologic importance.

513-680A,B COMPUTATION INTENSIVE STATISTICS. (4) (Prerequisites: 189-556, 189-557 or permission of instructor.) (Restrictions: Not open to students who have taken or are taking 189-680.) Introduction to a statistical computing language, such as S-PLUS; random number generation and simulations; EM algorithm; bootstrap, cross-validation and other re-sampling schemes; Gibbs sampler. Other topics: numerical methods; importance sampling; permutation tests.

513-681A,B,C DATA ANALYSIS IN THE HEALTH SCIENCES II. (3) (Prerequisites: 513-606, 513-607, 513-621, 513-695) Univariate and multivariate statistical techniques for categorical and survival data. Topics include logistic regression, generalized linear models, and survival analysis.

513-686A,B SURVIVAL ANALYSIS. (4) (Restrictions: Not open to students who have taken or are taking 189-686. Prerequisites: 189-556, 189-557, or permission of instructor.) Parametric survival models. Nonparametric analysis: Kaplan-Meier estimator and its properties. Covariates with emphasis on Cox's proportional hazards model. Marginal and partial likelihood. Logrank tests. Residual analysis. Homework assignments a mixture of theory and applications. In-class discussion of data sets.

513-690A,B,C,D M.Sc. THESIS. (24)

513-695B,L PRINCIPLES OF STUDY DESIGN II. (3) (Prerequisites: 513-606, 513-607, 513-611) Principles of design and analysis of etiologic studies. (Awaiting University Approval)

513-697A,B,C,L (3) Applied Linear Models. Multiple regression, analysis of variance and analysis of covariance models will be presented under the general framework of linear models. Both theory and applications to medicine and epidemiology will be presented. Topics include model selection, diagnostics and validation.

513-701A,B,C,D,L PH.D. COMPREHENSIVE EXAMINATION. The comprehensive examination comprises both written and oral components. 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.

COURSES OFFERED ONLY IN SOME YEARS

513-615A PRINCIPLES OF EPIDEMIOLOGIC RESEARCH I: STUDY DESIGN. (3) (Prerequisites: 513-606, 513-607, 513-610, 513-628) Principles of epidemiologic study design with reference to applied scientific problems in clinical and community medicine.

513-616C PRINCIPLES OF EPIDEMIOLOGIC RESEARCH II: DATA ANALYSIS. (3) Principles of epidemiologic data analysis with reference to applied scientific problems in clinical and community medicine.

513-626A,B RISKS AND HAZARDS IN EPIDEMIOLOGY. (3) (Prerequisites: 513-621B and 513-681C.) Classical and modern methods of analysis for survival, cohort, and case-control studies. Emphasis on the similarity of models used in the analyses of these studies. Hazard functions. Relative-risk functions. Regression modelling. Likelihood function. Interpretation of statistical parameters.

513-646A,B,C EVALUATION OF HEALTH SERVICES. (3) (Prerequisites: 513-606, 513-607) This course will present methodologies for the evaluation of health services, and illustrate these approaches with a variety of clinical and community services. Topics will include: levels of evaluation, evaluation design, identification and

measurement of key variables, and practical aspects of evaluation.

513-657A,B,C,D,L,T RISK ASSESSMENT AND MANAGEMENT. (3) Principles of identifying and dealing with environmental risk factors for human disease. Class exercises focus on the steps of quantitative health risk assessment and management, including hazard identification and characterization, exposure characterization, risk determination, and weighing of control options.

513-634C L'ÉVALUATION DES RISQUES ET DÉCISIONS DE SANTÉ PUBLIQUE. (3) (Prerequisite: 513-606 ou équival.) Ce cours porte sur les aspects quantitatifs de l'évaluation des risques. On s'intéresse en particulier à la définition et la mesure de l'incertitude dans nos connaissances scientifiques et aux processus décisionnels concernant la santé des populations.

32 Food Science and Agricultural Chemistry

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Chair — I. Alli

Chair of Graduate Program — I. Alli

32.1 Staff

Professors

I.Alli; B.Sc.(Guy.), M.Sc., Ph.D.(McG.); Chair
W.D. Marshall; B.Sc.(U.N.B.), Ph.D.(McM.)
J.P. Smith; B.Sc., M.Sc.(Strath.), Ph.D.(Alta.)
F.R. van de Voort; B.Sc., M.Sc., Ph.D.(Br.Col.)

Associate Professors

A.A. Ismail; B.Sc., Ph.D.(McG.)
S. Kermasha; B.Sc.(Baghdad), DEAD, D.Sc.(Nancy)
H. Ramaswamy; B.Sc.(B'lore), M.Sc., Ph.D.(Br.Col.)
B.K. Simpson; B.Sc.(Ghana), Ph.D.(Nfld.)
V. Yaylayan; B.Sc.(Beirut), M.Sc., Ph.D.(Alta.)

Adjunct Professors

J.S. Blais, Y. Konishi, B. Lee, A. Morin, J.R.J. Pare

32.2 Programs Offered

M.Sc and Ph.D.

The Department has laboratory and research facilities required for research leading to the degree of Master of Science and Doctor of Philosophy in the field of food science, specifically in the chemical, biochemical and analytical aspects thereof.

32.3 Admission Requirements

General

GPA 3.0/4.0.

TOEFL with a minimum score of 550 (non-Canadian applicants whose mother tongue is not English).

Master's

Candidates should have a B.Sc. in Food Science or a related discipline such as Chemistry, Biochemistry, or Microbiology.

32.4 Application Procedures

Applications for Admission and all supporting documents must be sent directly to:

Student Affairs Office (Graduate Studies)
Macdonald Campus of McGill University
21,111 Lakeshore
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Canada

Telephone: (514) 398-7925

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E-mail: GRAD@macdonald.mcgill.ca

Applications will be considered upon receipt of a signed and completed application form, \$60 application fee, all official transcripts, two signed original letters of reference on official letterhead of originating institution, and (if required) proof of competency in oral and written English by appropriate exams.

Deadlines – For **international students**, complete applications with supporting documents must reach the Student Affairs Office (Graduate Studies) at Macdonald Campus at least **eight months** prior to the intended start of program. May 1 for January (winter); September 1 for May (summer); January 1 for September (fall). For **domestic students**, complete applications with supporting documents must reach the office no later than **three months** in advance of intended start of program.

Application Fee (non-refundable) – A fee of \$60 Canadian must accompany each application (including McGill students), otherwise it cannot be considered. This sum must be remitted using one of the following methods:

1. **Certified** personal cheque in Cdn.\$ drawn on a Canadian bank;
2. **Certified** personal cheque in U.S.\$ drawn on a U.S. bank;
3. Canadian Money order in Cdn.\$;
4. U.S. Money Order in U.S.\$;
5. Bank draft in Cdn.\$ drawn on a Canadian bank;
6. Bank draft in U.S.\$ drawn on a U.S. bank, negotiable in Canada;
7. Credit card (by completing the appropriate section of the application form).

Transcripts – Two official copies of all transcripts are required for admission. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant's university is essential. It is the applicant's responsibility to arrange for transcripts to be sent. DOCUMENTS SUBMITTED WILL NOT BE RETURNED.

It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a Bachelor's degree equivalent to a McGill Honours degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The minimum cumulative grade point average (CGPA) is 3.0/4.0 (second-class upper) or 3.2/4.0 during the last two full-time years of university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

Letters of Recommendation – Two letters of recommendation on letterhead or bearing the university seal and with original signatures from two instructors familiar with the applicant's work, preferably in the applicant's area of specialization, are required. It is the applicant's responsibility to arrange for these letters to be sent.

Competency in English – Non-Canadian applicants whose mother tongue is not English and who have not completed an undergraduate degree using the English language are required to submit documented proof of competency in oral and written English, by appropriate exams, e.g. TOEFL (minimum score 550) or IELTS (minimum 6.5). The MCHE is not considered equivalent.

Results must be submitted as part of the application. The University code is 0935 (McGill University, Montreal); department code is 31 (graduate schools), Biological Sciences - Agriculture.

Graduate Record Exam (GRE) – The GRE is not required, but it is highly recommended.

Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.

Acceptance to all programs depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support. Normally, a student will not be accepted unless adequate financial support can be provided by the student and/or the student's supervisor. Academic units cannot guarantee financial support via teaching assistantships or other funds.

Qualifying Students – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a *Qualifying Program* if they have met the Faculty of Graduate Studies and Research minimum CGPA of 3.0/4.0. The course(s) to be taken in a *Qualifying Program* will be prescribed by the academic unit concerned. *Qualifying students* are registered in the Faculty of Graduate Studies and Research, **but not as candidates for a degree**. Only one qualifying year is permitted. **Successful completion of a qualifying program does not guarantee admission to a degree program.**

32.5 Program Requirements

MASTER'S

For candidates entering the M.Sc. program without restrictions, (i.e., those not requiring a qualifying term/year), the M.Sc. degree consists of 45 graduate credits. These credits are obtained through a combination of graduate courses and a research thesis.

Course Requirements (15 credits)

Six (6) credits of graduate seminar courses

A minimum of nine (9) additional course credits, usually at the 500/600 level.

Thesis Requirements (30 credits)

333-690A,B (8) M.Sc. Literature Review

333-691A,B (7) M.Sc. Research Proposal

333-692A,B (15) M.Sc. Thesis

The residence time for an M.Sc. degree is three academic terms based on unqualified entry into the M.Sc. program and students are encouraged to complete their studies within this time frame.

Each student must be registered for a minimum of 12 credits per term to qualify as a full-time graduate student. This limits the approach that one can take in taking courses within the three terms allotted. Listed below are two common options in terms of course selection which a student may take to meet the three-term, 45-credit M.Sc. program requirements.

Option A		Option B	
<i>Term 1</i>		<i>Term 1</i>	
Course 1	3.0	Course 1	3.0
Course 2	3.0	Seminar 1	1.5
Seminar 1	1.5	M.Sc. Literature Review	8.0
M.Sc. Literature Review	8.0	Total Credits	12.5
Total Credits	15.5		
<i>Term 2</i>		<i>Term 2</i>	
Course 3	3.0	Course 2	3.0
Seminar 1 (continued)	1.5	Course 3	3.0
Seminar 2	1.5	Seminar 1 (continued)	1.5
M.Sc. Research Protocol	7.0	Seminar 2	1.5
Total Credits	13.0	M.Sc. Research Protocol	7.0
		Total Credits	16.0
<i>Term 3 --</i>		<i>Term 3 --</i>	
<i>For either option (A or B)</i>		<i>For either option (A or B)</i>	
Seminar 2 (continued)	1.5	Seminar 2 (continued)	1.5
M.Sc. Research Thesis	15.0	M.Sc. Research Thesis	15.0

Total Credits	16.5	Total Credits	16.5
Grand Total Credits	45.0	Grand Total Credits	45.0

The program outlined above does not preclude students from taking more than 45 credits.

PH.D

Candidates will be judged principally on their ability in research. Course work will be arranged in consultation with the departmental graduate advisory committee. Candidates should be prepared to take the Comprehensive Preliminary Examination by the end of the second year in which they are candidates for the Ph.D. degree.

32.6 Courses

- Denotes not offered 2000-01.

★ Alternate year courses – (o) for odd years, (e) for even years but double check with Graduate Adviser.

The course credit weight is given in parentheses (#) after the course title.

★**333-500B FOOD ENZYMOLOGY.** (3) (3 lectures) (Prerequisite: 333-305A; Corequisite: 333-305A) Enzymes as they pertain to the deteriorative processes, as processing aids and their use as analytical tools in food systems. (e) **Professor Simpson**

● **333-510B FOOD HYDROCOLLOID CHEMISTRY.** (3) (3 lectures) (Prerequisite: 333-319B; Corequisite: 333-305A)

★**333-519B ADVANCED FOOD PROCESSING.** (3) (3 lectures) (Prerequisite: 333-330B) Advanced technologies associated with food processing studied in more detail. Topics include food irradiation, reverse osmosis, supercritical fluid extraction and extrusion. (e) **Professor Ramaswamy**

★**333-520A BIOPHYSICAL CHEMISTRY OF FOOD.** (3) (3 lectures) (Prerequisites: 333-233B) 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. (e) **Professor Ismail**

★**333-530A ADVANCED ANALYTICAL CHEMISTRY.** (3) (3 lectures) (Prerequisite: 333-223B) Selected instrumental methodologies including advances in automated chromatography, wide band NMR, chemical sensors, and the application of other spectroscopic techniques to the analysis of food constituents. (o) **Professor Marshall**

333-535A FOOD BIOTECHNOLOGY. (3) (3 lectures) (Prerequisite: 333-230B) Developments in biotechnology as it relates to food production and processing concerning traditional food fermentations as well as novel food biotechnology enzymes, ingredients, genetic engineering, plant tissue culture and developments for microbiological and food analysis. **Professor Lee**

Graduate Courses

333-625A ADVANCED TOPICS IN FOOD SCIENCE. (3) (3 lectures) (Prerequisite: 333-211A and 333-211B) 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. **Staff**

333-651A FOOD ANALYSIS I. (3) (3 lectures; one 3-hour lab) (Prerequisite: 333-211A and 333-211B) The theory and methodology for the analysis of food products for moisture, fat, protein, ash, fibre and carbohydrate (proximate and analysis). Quantitative visible and infrared spectroscopy are developed in relation to color measurement and the analysis of the major components in food systems. **Professor Alli**

333-652B FOOD ANALYSIS II. (3) (3 lectures; one 3-hour lab) (Prerequisite: 333-211A and 333-212A) A specialized course on the principal analytical techniques used for analysis of carbohydrate, lipid, protein and vitamin constituents of foods and feedstuffs, for

detection and determination of chemical additives and contaminants. **Professor Kermasha**

333-690A,B M.Sc. LITERATURE REVIEW. (8) Master of Science literature review.

333-691A,B M.Sc. RESEARCH PROTOCOL. (7) Master of Science research protocol.

333-692A,B M.Sc. THESIS. (15) 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, its approval by reviewers and acceptance by Graduate Faculty is required to pass the course.

333-695D,N GRADUATE SEMINAR. (3) Presentation on a selected topic, research proposal or research results based on progress in degree work (M.Sc.1). **Professor van de Voort**

333-696D,N GRADUATE SEMINAR. (3) Presentation on a selected topic, research proposal or research results based on progress in degree work (M.Sc.2). **Professor van de Voort**

333-700D,N COMPREHENSIVE PRELIMINARY EXAMINATION. (See Faculty Regulations) **Staff**

333-797D,N GRADUATE SEMINAR. (3) Presentation on a selected topic, research proposal or research results based on progress in degree work (Ph.D.). **Professor van de Voort**

333-798D,N GRADUATE SEMINAR. (3) Presentation on a selected topic, research proposal or research results based on progress in degree work (Ph.D.). **Professor van de Voort**

33 French Language and Literature

Département de langue et littérature françaises
Pavillon Peterson
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Canada

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Télécopieur: (514) 398-8557
Courriel: littfran@leacock.lan.mcgill.ca
Site web: <http://www.arts.mcgill.ca/programs/french>

Directeur — Professeur Marc Angenot

*Directrice des études de 2^e et 3^e cycles
et de la recherche* — Professeur Diane Desrosiers-Bonin

33.1 Staff

Professeurs

M. Angenot; L. Phil. Romane(Bruxelles), Dr. Phil. & Lettres (Belgique), M.S.R.C.

G. Di Stefano; Dr. ès L.(Turin), Dipl.Phil., Dr. 3rd Cy.(Paris - Sorbonne)

J.-P. Duquette; L. ès L.(Montr.), Dr. 3rd Cy.(Paris X - Nanterre)

Y. Lamonde; M.A.(Montr.), M.A., Ph.D.(Laval)

F. Ricard; M.A.(McG.), Dr. 3rd Cy.(Aix-Marseille), M.S.R.C.

J. Terrasse; L. Phil. Romane, Dipl. Phil., Dr. Phil. & Lettres (Bruxelles)

Professeurs agrégés

C. Bouchard; M.A.(Montr.), Dr. 3rd Cy.(Paris VII - Jussieu)

J.-P. Boucher; M.A.(McG.) Dr. 3rd Cy.(Besançon)

A. Chapdelaine; M.A., Dr. 3rd Cy.(Paris VII - Jussieu)

D. Desrosiers-Bonin; M.A., Ph.D.(Montr.)

N. Doiron; Ph.D.(Montr.)

J. Everett; M.A.(Carl.), Ph.D.(McG.)

G. Lane-Mercier; M.A.(Montpellier), Ph.D.(McG.)

A. Maugey; M. ès L., Dr. 3rd Cy.(Paris - Sorbonne)

Y. Rivard; M.A.(McG.), Dr. 3rd Cy.(Aix-Marseille)

Professeurs invités

F. Charbonneau; M.A., Ph.D. (Montr.)

M. Olscamp; M.A.(UQTR), Ph.D.(McG.)

33.2 Programmes

M.A. avec mémoire et sans mémoire, et Ph.D en français.

33.3 Conditions d'admission

Propédeutique

Peuvent être admis en Propédeutique les étudiants titulaires d'un B.A. avec concentration en littérature française ou québécoise ("Major"), qui sont alors tenus de s'inscrire à temps complet à un programme de 8 cours, établi lors de leur inscription.

M.A.

Pour être admis directement en M.A. I, le candidat doit être titulaire d'un B.A. avec spécialisation en littérature française ou québécoise ou en traduction ("Honours"), ou d'un B.A. avec double spécialisation ("Joint Honours"). Le candidat doit également présenter un très bon dossier académique; le B.A. ne donne pas automatiquement droit à l'admission.

Ph.D.

Pour être admis au programme de Ph.D. le candidat doit satisfaire aux conditions suivantes:

- 1) Être titulaire du M.A. en littérature française ou québécoise de l'Université McGill, ou l'équivalent; avoir obtenu au cours de sa scolarité de maîtrise une moyenne d'au moins 75%.
- 2) Présenter, en plus du formulaire officiel de demande d'admission accompagné de deux lettres de recommandation et de ses relevés de notes officiels, un projet d'étude, en français, indiquant avec une certaine précision le domaine et la méthodologie de la recherche qu'il envisage de poursuivre pour sa thèse de doctorat et le nom du professeur sous la direction duquel il souhaite travailler. La Commission des admissions sera mieux à même de juger, d'après ce projet, du sérieux du candidat et de ses aptitudes à la recherche littéraire avancée. Les étudiants de l'extérieur du Département doivent fournir un spécimen de travail écrit, en français.

33.4 Demande d'admission

En plus du formulaire officiel de demande d'admission accompagné de deux lettres de recommandation et de ses relevés de notes officiels, les étudiants de l'extérieur du Département doivent fournir un spécimen de travail écrit, en français.

33.5 Programme d'études

M.A. (45 crédits)

La durée des études de maîtrise est de trois trimestres: deux trimestres pour la scolarité (M.A.I) et un trimestre pour la rédaction du mémoire (M.A. II) ou l'exécution d'autres travaux de recherche.

Le programme de maîtrise est à la fois un programme complet en soi et une première étape vers le Ph.D. Il vise deux buts également importants:

- 1) Permettre à l'étudiant de compléter et d'approfondir ses connaissances de l'ensemble du domaine littéraire grâce à un programme d'enseignement portant sur les littératures française et québécoise de même que sur une variété de sujets connexes: théorie littéraire, histoire de la langue, civilisation, etc.
- 2) Favoriser l'apprentissage de la recherche et un début de spécialisation de la part de l'étudiant qui suit des séminaires d'initiation à la recherche littéraire et, soit rédige un mémoire, soit exécute d'autres travaux de recherche sous la direction des professeurs du Département.

Scolarité (M.A.I)

Dans le cas de la maîtrise avec mémoire, les deux premières sessions du programme de maîtrise sont consacrées à la scolarité, pour les étudiants inscrits à temps complet; ils doivent alors suivre 6 séminaires de 3 crédits (dont le 125-695, le 125-697 et le 125-680D/N) et préparer leur sujet de mémoire (125-696D/N: 6 crédits).

Dans le cas de la maîtrise sans mémoire, les deux premières sessions du programme sont aussi consacrées à la scolarité, pour les étudiants inscrits à temps complet; ils doivent suivre 8 séminaires de 3 crédits soit 4 par session. Les cours 125-695, 125-697 et 125-600A/B et 125-680D/N sont obligatoires.

Les étudiants inscrits à mi-temps doivent s'inscrire à un minimum de deux séminaires par session. La note de passage est 65%.

Les séminaires 125-609 et 125-611 – Création littéraire – sont fortement recommandés aux étudiants qui ont l'intention de présenter un mémoire d'écriture littéraire.

Le choix des séminaires que fait l'étudiant doit être approuvé par le Directeur des études au moment de l'inscription. La Commission des admissions du département peut accorder des dérogations au règlement des inscriptions à la Maîtrise en fonction du dossier de chaque étudiant, en reconnaissant un maximum de six crédits déjà obtenus dans une autre université.

Une partie de la scolarité (maximum de 6 crédits) peut être suivie dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l'annuaire de la Faculté des études supérieures et de la recherche, ou dans une autre université, pourvu que les cours et séminaires y soient de même niveau que les cours 600 ou 700 offerts par le Département. Dans tous les cas, l'étudiant doit obtenir l'autorisation du Directeur des études de 2e et 3e cycles et de la recherche, qui ne sera accordée que si les cours en question cadrent avec le programme d'études du candidat.

Recherche (M.A.II)

L'étudiant peut présenter un mémoire de critique littéraire ou un mémoire d'écriture littéraire. Il peut aussi compléter sa maîtrise sans rédiger de mémoire, mais en exécutant d'autres travaux de recherche.

Dans le cas de la maîtrise avec mémoire, la composante recherche du programme est de 21 crédits (125-699A/B/D/N).

La composante recherche du programme de maîtrise sans mémoire est aussi de 21 crédits (125-600A/B: 3 crédits, 125-698A/B/D/N: 15 crédits, ainsi qu'un séminaire A ou B: 3 crédits).

Ph.D.

Épreuve d'anglais Tous les étudiants de Ph.D. doivent réussir, avant le dépôt de leur thèse, une épreuve destinée à vérifier leur connaissance de la langue anglaise.

Peuvent être dispensés de cette épreuve les traducteurs professionnels et les étudiants qui ont fait des études antérieures dans des collèges ou des universités anglophones, à condition que leur programme ait compris des cours donnés en anglais. Le fait d'avoir suivi un ou plusieurs cours de traduction ne suffit pas.

Aucune dispense n'est automatique. Les demandes de dispense doivent être soumises par écrit au Comité des études de 2e et 3e cycles et de la recherche.

Programme Le programme de Ph.D. comporte trois parties:

- Scolarité
- Élaboration et défense orale du projet de thèse
- Thèse

Scolarité

L'admission se fait normalement au niveau de Ph.D. II. Lorsqu'un candidat, par exception, est admis en Ph.D. I, sa scolarité pendant cette année est la même que pour l'année de M.A. I (voir plus haut).

Ph.D. II

Deux séminaires au choix, ainsi que le Séminaire de doctorat (125-711) et le Séminaire départemental (125-780D/N) qui sont obligatoires.

Ph.D. III

Élaboration du projet de thèse (125-706A/B/D/N) et Défense orale du projet de thèse (125-707A/B/D/N).

Après l'élaboration du projet de thèse, le sujet de recherche est soumis au Comité des études de 2e et 3e cycles et de la recherche, puis la défense orale du projet a lieu à une date con-

venue entre les intéressés, devant un jury constitué de trois professeurs.

Ph.D. IV Thèse

Le directeur de thèse peut être un membre du jury de la défense orale du projet, mais l'étudiant peut aussi décider de travailler avec un autre professeur. Au moment de la défense orale du projet, un comité-conseil est constitué, comprenant le directeur de thèse et deux autres professeurs. Le rôle de ce comité-conseil est de suivre d'aussi près que possible le travail du candidat et de discuter avec lui de l'orientation de ses recherches.

La soutenance de la thèse a lieu devant un jury d'au moins cinq personnes, présidé par un représentant du doyen; font partie du jury le comité-conseil de l'étudiant et trois autres professeurs, dont le Directeur du Département et au moins un universitaire étranger au Département ou à l'Université McGill.

33.6 Cours de 2e et 3e cycles

L'étudiant trouvera dans le Guide bleu, disponible sur le site WEB du département, la description détaillée des séminaires offerts ainsi que tous les renseignements pertinents sur les programmes. Des exemplaires de ce Guide bleu sont aussi disponibles au Secrétariat des études de 2e et 3e cycles et de la recherche.

Le nombre de crédits est indiqué entre parenthèses, après le titre du cours. (#)

125-600A/B TRAVAUX DIRIGÉS I ET II. (M.A.) (3)

125-609A CRÉATION LITTÉRAIRE I. (3)

125-611B CRÉATION LITTÉRAIRE II. (3)

125-612B SÉMINAIRE DE RECHERCHE I. (3) Poétiques romanesques.

125-628A PROBLÈMES DE THÉORIE LITTÉRAIRE. (3) Traduction: théories et pratiques des années 1990.

125-680D/N SÉMINAIRE DÉPARTEMENTAL I. (3) Édition critique et critique génétique.

125-695A INITIATION À LA RECHERCHE LITTÉRAIRE. (3)

125-697B MÉTHODOLOGIE ET THÉORIE LITTÉRAIRES. (3)

125-711B SÉMINAIRE DE DOCTORAT. (3)

125-720B MOYEN ÂGE I. (3) Le Roman de Tristan.

125-723A XVI^E SIÈCLE I. (3) Lectures de Rabelais.

125-728B XVII^E SIÈCLE III. (3) Théâtre des XVI^e et XVII^e siècles. Poétiques humaniste et classique.

125-730B XVIII^E SIÈCLE II. (3) L'homme de lettres et l'homme de science au XVIII^e s.

125-741A XX^E SIÈCLE V. (3) Le Nouveau Roman.

125-756A POÉSIE QUÉBÉCOISE II. (3) Gaston Miron et Aimé Césaire, poètes de la liberté.

125-760B LITTÉRATURE ET SOCIÉTÉ QUÉBÉCOISE. (3) Histoire des idées au Québec. De 1830 à nos jours.

125-761A THÈME DE LITTÉRATURE QUÉBÉCOISE I. (3) Réception et émergence des classiques dans la littérature québécoise.

125-780D/N SÉMINAIRE DÉPARTEMENTAL. (3) Les discours de l'intime.

34 Geography

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Chair — T.R. Moore

34.1 Staff

Emeritus Professor

B.J. Garnier; M.A.(Cantab.)

Professors

P.G. Brown; M.A., Ph.D.(Col.) (*joint appt. with McGill School of Environment*)

T.R. Moore; B.Sc.(Swansea), Ph.D.(Aberd.)

S.H. Olson; M.A., Ph.D.(Johns H.)

N. Roulet; M.Sc.(Trent), Ph.D.(McM.)

Associate Professors

G.L. Chmura; M.Sc.(Rhode I.), Ph.D.(Louis. St.)

O.T. Coomes; M.A.(Tor.), Ph.D.(Wis. Mad.)

G.O. Ewing; G.O., M.A.(Glas.), M.A., Ph.D.(McM.)

M.F. Lapointe; M.Sc.(McG.), Ph.D.(Br.Col.)

J.E. Lewis; M.A.(Ind.), Ph.D.(Ill.)

T.C. Meredith; M.Sc., Dip. Cons.(Lond.), Ph.D.(Cantab.)

L. Müller-Wille; Dr.phil.(Münster)

W.H. Pollard; M.A.(Guelph), Ph.D.(Ott.)

G. Wenzel; M.A.(Man.), Ph.D.(McG.)

Assistant Professors

W.M. Brown; M.A.(St.M.), Ph.D.(McM.)

B. Ray; M.A.(Tor.), Ph.D.(Queen's)

R. Sieber; MPA(E.Mich.), Ph.D.(Rutgers) (*joint appt. with McGill School of Environment*)

Adjunct Professor

G. Seutin; M.Sc.(Mont.), Ph.D.(Queen's)

34.2 Programs Offered

M.A., M.Sc. and Ph.D.

McGill Northern Research Stations

The McGill Subarctic Research Station is located at Schefferville, in the centre of Québec-Labrador. Facilities exist for research in most areas of physical and some areas of human geography in the subarctic.

McGill University also operates a field station at Expedition Fiord on Axel Heiberg in the High Arctic. Facilities are limited to a small lab and dorm building and cookhouse. Research activities focus on the glacial and geological. For additional information on these stations, contact the Scientific Director, Wayne Pollard, Department of Geography.

Centre for Climate and Global Change Research

The Department of Geography, with the McGill Departments of Atmospheric and Oceanic Sciences, Economics, Natural Resource Science; and several departments from the Université du Québec à Montréal and Université de Montréal developed a collaborative research centre that examines climate and global change. Through this Centre there are graduate opportunities.

For more information contact Professor Nigel Roulet, Director, Centre for Climate and Global Change, McGill University.

34.3 Admission Requirements

M.A. and M.Sc. Degrees

Attention is directed to the Faculty of Graduate Studies admission regulations outlined in the General Information and Faculty Regulations section headed "Admission".

Applicants not satisfying these conditions, but with primary undergraduate specialization in a cognate field, may register for the M.A. or M.Sc. degree in Geography in certain circumstances. In general, they, and others who have deficiencies in their preparation but are otherwise judged to be acceptable, will be required

to register for a qualifying program or to undertake additional courses.

Ph.D. Degree

Students who have attained high standing in the Master's degree in Geography may be permitted to proceed to the Ph.D. in two further years.

On rare occasions, a student may be allowed to register for the Ph.D. degree without having first taken the Master's degree. They, and others who have deficiencies in their preparation but are otherwise acceptable, will be required to register for a year of coursework and/or be required to take extra courses. The normal duration of a program, including field work where required, is three years.

Normally, the Department will restrict admission to the Ph.D. program to students prepared to work in one of the fields of human or physical geography in which specialized supervision is offered. These, which cover a wide range of systematic areas, are listed in documents available from the Department.

34.4 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. transcripts;
3. two letters of reference;
4. \$60 application fee;
5. statement of proposed research.

Deadline for applications March 1.

34.5 Program Requirements

M.A. and M.Sc. Degrees (48 credits each)

Candidates must:

1. pass the equivalent of four graduate courses (12 credits), selected according to guidelines of the Department. Senior undergraduate courses in other departments may be substituted for some of this requirement with the permission of the Department of Geography;
2. pass courses 183-631D,N and 183-698D,N (12 credits), which deal with the preparation of the thesis proposal;
3. attend such additional courses as the Chair and the student's thesis supervisor think fit; and,
4. submit a thesis 183-699 (24 credits) in an appropriate area of geographical inquiry.

Ph.D. Degree

Candidates must:

1. attend a minimum of two graduate courses (6 credits) and such additional courses as the Chair and the student's supervisory committee think fit;
2. pass course 183-631D,N which deals with the preparation of the thesis proposal;
3. pass a comprehensive examination (Geography 183-700D, 701D, 702D) the form of which is detailed in a document available from the Department; and,
4. submit a thesis based on original research in an appropriate area of geographical inquiry.

34.6 Courses and Seminars for Advanced Undergraduates and Graduates

- Denotes not offered 2000-01.

The course credit weight is given in parentheses (#) after the course title.

Contact the Graduate Affairs Office, Department of Geography, in late August for details of course contents and for term in which each course will be offered.

183-500B GEOGRAPHY OF REGIONAL IDENTITY. (3) (3 hours)
(Restriction: Graduate students and final year undergraduates

and/or those who have taken 183-408A.) The response of diverse regional groups in Europe to the centripetal tendencies of national institutions. The course draws upon examples from a variety of European regions. Contemporary regional issues will be contextualised within a spatial framework of historical geography.

Professor Müller-Wille

183-501A MODELLING ENVIRONMENTAL SYSTEMS. (3) (1.15 hours lecture, 0.58 hours seminar, 0.69 hours project, 0.58 hours laboratory) (Restriction: open only to U2 or U3 students who have completed six or more credits from courses at the 300 level of Atmospheric and Oceanic Sciences, Biology, Chemistry, Earth and Planetary Sciences, Geography, Natural Resource Sciences, or a McGill School of Environment domain, or permission of the instructor.) (Prerequisites: 189-139 or 189-140, 189-141, and 189-203 or equivalent.) (Enrolment limited to 20 students by availability of workstations.)

Professor Roulet

183-502A GEOGRAPHY OF NORTHERN DEVELOPMENT. (3) Analysis of the evolution of developmental 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.

Professor Wenzel

● **183-504A INDUSTRIAL RESTRUCTURING – THE GEOGRAPHIC IMPLICATIONS.** (3) (Prerequisites: 183-311B or permission of instructor.)

183-505B GLOBAL BIOGEOCHEMISTRY. (3) (2 hours and research. Prerequisite: 183-305 or 183-322, and permission of instructor.) 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.

Professors Moore and Roulet

183-506A PERSPECTIVES ON GEOGRAPHIC INFORMATION SYSTEMS. (3) Examination of a range of applications in automated processing of spatial data. The application of information systems such as GRASS and digital image processing routines to solve geographical problems in both physical and human geography.

Professor Sieber

183-510B HUMID TROPICAL ENVIRONMENTS. (3) (3 hours) (Prerequisite: 183-203 or equivalent and written permission of the instructor.) 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.

Professor Coomes

183-513A BEHAVIOURAL GEOGRAPHY. (3) The development of behavioural approaches in geography. A survey of methods and findings in the area of environmental and spatial cognition, preference and choice behaviour. Models of disaggregate and aggregate travel demand.

Professor Ewing

● **183-522A ADVANCED ENVIRONMENTAL HYDROLOGY.** (3) (3 hours) (Prerequisite: 183-322, or permission of instructor)

● **183-523A ADVANCED CLIMATOLOGY.** (3) (3 hours) (Prerequisite: a previous course in climatology or meteorology, and written permission of the instructor.)

183-535B INTERPRETATION METHODS: AIR PHOTOS AND IMAGERY. (3) Basic photogrammetry and interpretation procedures for aircraft and spacecraft photography and imagery.

Professor Lewis and Staff

● **183-536B PERIGLACIAL AND PERMAFROST ENVIRONMENTS.** (3)

183-537B TOPICS IN FLUVIAL GEOMORPHOLOGY. (3) An examination of current advances in fluvial geomorphology: sediment entrainment and transport, alluviation and river channel evolution.

Professor Lapointe

183-550A QUATERNARY PALEOECOLOGY. (3) An examination of landscape and ecosystem response to climatic changes; addressing persistent problems in Pleistocene and Holocene paleoecology: episodes of temporary warming and cooling, locations of glacial refugia and sea level change. Principles and methods of

Quaternary paleoecological and paleoclimatological reconstruction.
Professor Chmura

183-551A ENVIRONMENTAL DECISIONS. (3) (2 hours seminar, 1 hour tutorial) (Prerequisites: 183-302, 182-451, 183-306 or equivalents) This course deals with the role of geographic information, paradigms and modes of analysis - including but not restricted to GIS - in environmental impact assessment and decision making. The focus will be on community-based decision making, particularly where conservation issues are involved. Cross-cultural situations, developing areas and the role of non-government organizations.
Professor Meredith

183-602A,B URBAN GEOGRAPHY: SELECTED TOPICS. (3) Social and historical aspects of the urban environment.
Staff

183-606A GEOGRAPHY AND DEVELOPMENT: SELECTED TOPICS. (3) Historical roots of uneven development in metropolitan and peripheral societies.
Staff

183-608A,B CULTURAL GEOGRAPHY: SELECTED TOPICS. (3) Cultural ecology with particular reference to changing peasant/plantation relations; space needs of native peoples in relation to land claims.
Staff

183-609A,B HUMAN GEOGRAPHY. (3) Analysis of social and theoretical problems in human geography.
Staff

183-610A,B SOCIAL GEOGRAPHY: SELECTED TOPICS. (3) Approaches to the study of human-constructed landscapes, including issues of ethnicity, social networks and social metaphors/tropes.
Professor Ray

183-621D THE GEOGRAPHY OF THE ARCTIC. (6) Advanced system-based approaches to analysing the human and bio-physical aspects of northern environments.
Professors Pollard and Wenzel

183-625A,B SPECIAL TOPICS IN HUMAN GEOGRAPHY. (3) An examination of recent advances in human geography.
Staff

183-626A,B SPECIAL TOPICS IN PHYSICAL GEOGRAPHY. (3) An examination of recent advances in physical geography.
Staff

183-631D,N METHODS OF GEOGRAPHICAL RESEARCH. (6) General research seminar in human and physical geography.
Staff

● **183-633A,B REMOTE SENSING.** (3)

183-698D,N THESIS PROPOSAL. (6) Preparation and evaluation of thesis proposal.
Staff

183-699D THESIS RESEARCH. (24) Independent research under the supervision of a research director.

35 German Studies

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Chair — P. M. Daly

Director of Graduate Studies — T. Goldsmith-Reber

35.1 Staff

Professors

P.M. Daly; B.A.(Brist.), Ph.D.(Zür.)
A. Hsia; Ph.D.(F.U.Berlin)
J. Schmidt; Ph.D.(Zür.)

Associate Professors

K. Bauer; M.A., Ph.D.(Wash.)
T. Goldsmith-Reber; Ph.D.(Cologne)
P. Peters; Ph.D.(F.U.Berlin)
H. Richter; Ph.D.(Göttingen)

35.2 Programs Offered

M.A. (thesis or non-thesis) and Ph.D. degrees in German.

Ph.D. Language Tests

Ph.D. candidates in other disciplines who are required to pass a reading test in German may prepare themselves by taking 129-200A,B or 129-202D, (or 129-203D/129-004D if offered).

35.3 Admission Requirements

Masters

In order to be admitted to the M.A. program in German, candidates must have a B.A. degree with Honours in German from McGill University, or hold an equivalent degree from another college or university of recognized standing, or have completed a course of studies of equivalent value at such an institution.

Candidates who have a B.A. with Joint Honours in German with another discipline from McGill University or another university of recognized standing will also be admitted if they have taken two courses in the Age of Goethe and one course each in a pre-Goethe period, in the 19th and in the 20th century. Those who have a Major in German may be admitted on individual merits. They may also be able to enter the program as qualifying students for the purpose of completing these preliminary studies.

In order to pursue graduate studies in German, all candidates must have considerable fluency in German, as all courses are given in German.

Graduate students holding a Language Instructorship or who are otherwise employed will normally not be allowed to take more than four courses a year. Students may be required to attend an approved course in English if their knowledge of that language is judged inadequate. All graduate students are expected to attend the staff-student colloquium.

Ph.D.

M.A. or equivalent.

35.4 Application Procedures

1. Application form
2. Official transcripts
3. Two letters of reference
4. \$60 application fee
5. Test results (GRE, TOEFL)
6. Writing sample

All information is to be submitted directly to the Graduate Secretary in the Department of German Studies.

Deadline: March 1st.

35.5 Program Requirements

M.A. with thesis

Requirements:

- Coursework
 - 6 three-credit courses (18 credits)
- Thesis
 - Thesis Research Courses I-III, 129-690, 129-691, 129-692 (30 credits)

Originality of research is not required for the thesis, but the student must show a critical understanding of the subject as demonstrated by the logical development of an argument which is supported by adequate documentation. Students are normally permitted to take a maximum of 3 credits in another department with the approval of the Graduate Studies Committee.

Students are expected to complete degree requirements in two years. They are expected to begin work on their thesis before the end of the first session. The thesis should demonstrate ability to organize the material under discussion, and should be succinct and relevant.

M.A. without thesis

Requirements:

Coursework

– 8 three-credit courses (24 credits)

Research Paper (about 25 pages plus notes and bibliography)

– Research Paper Courses I-III, 129-680, 129-681, 129-682 (24 credits)

Ph.D.

Requirements:

Coursework – 8 three-credit courses (24 credits)

Comprehensive examination (oral and written)

French Language examination or Latin (if specializing in German Literature before 1600)

Thesis

Thesis Defence

Students may take up to 6 credits in another department with the approval of the Graduate Studies Committee.

Original research leading to new insights is a prerequisite for the acceptance of a Ph.D. thesis.

As a rule, it will take a candidate at least three years after the M.A. degree to complete the requirements for the Ph.D. degree. Students who have not spent an appreciable length of time in a German-speaking country are advised to spend one year at a university in such a country, for which credit may be given in the above program.

35.6 Courses

Courses are normally given in the form of seminars. Each year, the Department publishes a list of those offerings which will be available in the ensuing session. These lists are available from the Departmental Secretary or from the Graduate Faculty office, normally in the month of May. Each year the Department offers courses in some of the following areas.

The course credit weight is given in parentheses (#) after the course title.

Courses to be offered in 2000-01**129-631B GERMAN CLASSICISM II.** (3)**129-645A GERMAN LITERATURE IN THE 20TH CENTURY I.** (3)**129-646B GERMAN LITERATURE IN THE 20TH CENTURY II.** (3)**129-655A LITERARY THEORY AND CRITICISM I.** (3)**129-680A,B RESEARCH PAPER I.** (6)**129-681A,B RESEARCH PAPER II.** (6)**129-682A,B RESEARCH PAPER III.** (12)**129-690A,B THESIS RESEARCH I.** (9)**129-691A,B THESIS RESEARCH II.** (9)**129-692A,B THESIS RESEARCH III.** (12)**129-701D COMPREHENSIVE ORAL EXAMINATION.**

- Denotes not offered in 2000-01.

- **129-605 - 608 MEDIEVAL GERMAN LITERATURE (I - IV).** (3)

- **129-610 - 613 GERMAN LITERATURE OF THE RENAISSANCE AND THE REFORMATION (I - IV).** (3)

- **129-615 - 618 GERMAN LITERATURE OF THE BAROQUE AND ROCOCO (I - IV).**

- **129-620 - 623 GERMAN LITERATURE OF THE ENLIGHTENMENT (I - IV).** (3)

- **129-625 - 628 GERMAN LITERATURE OF THE STURM AND DRANG PERIOD (I - IV).** (3)

- **129-630, 632, 633 GERMAN CLASSICISM (I, III, IV).** (3)

- **129-635 - 638 GERMAN ROMANTICISM (I - IV).** (3)

- **129-640 - 643 GERMAN REALISM AND EARLY NATURALISM (I - IV).** (3)

- **129-647, 648 GERMAN LITERATURE IN THE 20TH CENTURY (III & IV).** (3)

- **129-650 - 653 GERMAN LINGUISTICS AND PHILOSOPHY (I - IV).** (3)

- **129-656 - 658 LITERARY THEORY AND CRITICISM (II - IV).** (3)

- **129-660 - 663 COMPARATIVE LITERATURE STUDIES (I - IV).** (3)

- **129-665 - 668 THEORETICAL APPROACH TO THE TEACHING OF GERMAN (I - IV).** (3)

- **129-670A,B STAFF-STUDENT SEMINAR ON LITERATURE PROBLEMS.** (3)

- **129-675D RESEARCH SEMINAR.** (3)

36 Hispanic Studies

Department of Hispanic Studies
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Chair — K.M. Sibbald

Chair of Graduate Program — J. Pérez-Magallón

36.1 Staff*Professor Emeritus*

S. Lipp; M.S.(C.C.N.Y.), Ph.D.(Harv.)

Professors

J. Pérez-Magallón; Lic.Fil.(Barcelona), Ph.D.(Penn.)

K. Sibbald; M.A.(Cantab.), M.A.(Liv.), Ph.D.(McG.)

Associate Professor

D.A. Boruchoff; A.B., A.M., Ph.D.(Harv.)

Assistant Professor

D. Cohn; B.A.(Calif. at Berkeley), A.M.(Mich.), Ph.D.(Brown)

36.2 Programs Offered

M.A. and Ph.D. in Hispanic Studies.

The Department of Hispanic Studies is committed to the disciplined study of all aspects of the literature, intellectual history and culture of Spain and Latin America, as well as the Spanish and Portuguese languages.

Research interests focus on both the cluster of Golden Age, Viceregal America and Enlightenment studies, as well as specializations in contemporary Spain and Hispanic America.

A limited number of language instructorships are available each year and those interested should apply directly to the Chair of the Department.

36.3 Admission Requirements**M.A. Degree (thesis or non-thesis)**

In order to be admitted to graduate work in Hispanic Studies, candidates must fulfil the following prerequisites:

- Candidates must possess a B.A. degree with Honours or, in certain cases, Joint Honours in Hispanic Studies from McGill University, or an equivalent degree from another college or university of recognized standing.
- Candidates who do not possess the above prerequisites may, with special permission, enter the Department as Qualifying students for the purpose of completing these preliminary studies. They may have to take, among other courses, 144-550, Comprehensive Examination.

Students may be required to attend an approved course in English or French if their knowledge of either language is deemed inadequate.

Prospective candidates may certainly express their preference but should note that the Graduate Committee of the Department of

Hispanic Studies reserves the right to determine which of the two options (thesis/non-thesis) students admitted to the M.A. program will be permitted to pursue and/or continue to completion.

Ph.D. Degree

Applicants must normally possess an M.A. in Hispanic Studies, or in a related discipline, from a university of recognized standing. These applicants will be admitted to Ph.D.2 and follow the program requirements listed below. Exceptionally qualified candidates may apply to enter into Ph.D.1 directly from the B.A. Honours, and will be required to complete an additional 6 three-credit courses above those listed below.

Applicants must demonstrate proficiency in Spanish, and when appropriate in Portuguese, plus a working knowledge of either French or English.

Applicants should submit samples of research papers that they have completed during the course of their previous studies. Submission of the results of the Graduate Record Examination is also encouraged.

36.4 Application Procedures

Applications will be considered upon receipt of:

1. duly completed application form;
2. all transcripts;
3. letters of reference;
4. \$60 application fee;
5. TOEFL scores where applicable;
6. a sample of recent written work.

All information should be submitted directly to the Chair of the Graduate Program.

Deadlines

For admission in the Fall Term: March 15.

For admission in the Winter Term: November 1.

36.5 Program Requirements

The Graduate Committee of the Department of Hispanic Studies reserves the right to determine which of the two options (thesis/non-thesis) students admitted to the M.A. will be permitted to pursue and/or continue to completion.

All general regulations of the Faculty of Graduate Studies and Research shall apply regarding the MA. degree.

M.A. Degree with thesis (48 credits)

Requirements:

- Coursework – 6 three-credit courses (18 credits)
- Research – 2 three-credit courses in Thesis Preparation (144-695/144-696) (6 credits)
- Thesis – 144-697D (24 credits)

Students pursuing the M.A. with thesis are expected to complete their degree requirements within 18 months. Ideally, students admitted to this option will pursue their studies on a full-time basis. The combination of three courses and one Thesis Preparation course will permit these students the 12 credits per term average that is required for most fellowships.

M.A. Degree without thesis (48 credits)

Requirements:

- Coursework – 8 three-credit courses (24 credits)
- Research – 2 three-credit courses in Hispanic Bibliography (144-603/144-604) (6 credits)
- Two 2 Guided Research Projects – 18 credits

All candidates pursuing the M.A. without thesis must complete the Guided Research Project in Medieval and Golden Age Literature (including Colonial Spanish America) (144-615A/B). Candidates choosing to focus their research on the literature of Spain will take the Guided Research Project in Modern and Contemporary Spanish Literature (144-616B). Those wishing to specialize in the literature of Spanish America will take the Guided Research Project in Modern and Contemporary Spanish-American Literature (144-617B).

At the conclusion of each Research Project, students will be required to produce an extended essay, or series of essays, during a 48-hour period with full access to critical material. Each of these essays will focus upon themes and issues central to the particular field of research and will be examined by at least two faculty members. Normally, the examinations for each of these projects will be offered only once during the academic year and always in the same rotation: "Medieval and Golden Age Literature" in December, and both "Modern and Contemporary Spanish Literature" and "Modern and Contemporary Spanish-American Literature" in April.

All candidates pursuing the M.A. without thesis, both full- and part-time, are expected to complete their degree requirements within 18 months, and must successfully complete at least one of their Guided Research projects during the first 12 months. It is expected that most students will require 3 semesters to complete their degrees. In accordance with the regulations established by the Faculty of Graduate Studies and Research, students in non-thesis programs who do not take at least 12 credits per term are considered to proceed toward their degree on a part-time basis.

Ph.D. Degree Requirements

1. Six 3-credit courses.
2. Proficiency in Spanish, and when appropriate in Portuguese, as well as a functional ability in French and English. A reading knowledge of a fourth language will be determined according to the needs of the candidate's research program.
3. Comprehensive examinations, oral and written.
4. Doctoral dissertation on an appropriate area of original research.

All courses, comprehensive examinations and language requirements will normally be completed before the dissertation topic is formally approved. A dissertation proposal should be submitted to the Graduate Committee of the Department of Hispanic Studies for approval no later than the end of the second year of full-time doctoral studies.

All general regulations of the Faculty of Graduate Studies and Research regarding the Ph.D. degree shall apply.

Required Academic Activities: All candidates preparing their dissertation are required to give an annual formal presentation of their research to the Department, normally beginning in the third year of full-time doctoral studies.

36.6 Courses

The course credit weight is given in parentheses (#) after the course title.

- Denotes not offered 2000-01.
- **144-501A HISTORY OF THE SPANISH LANGUAGE.** (3) (Prerequisite: Permission of the instructor.)
- **144-505-507B SEMINAR IN HISPANIC STUDIES.** (3)
- 144-550A,B,C COMPREHENSIVE EXAMINATION.** (6) For qualifying students. Oral examination following the reading of a number of books as assigned by the Department.
- 144-603A,B,C HISPANIC BIBLIOGRAPHY, 1.** (3)
- 144-604A,B,C HISPANIC BIBLIOGRAPHY, 2.** (3)
- 144-605-609A,B PROBLEMS OF LITERARY THEORY AND CRITICISM.** (3)
- 144-610-614A,B SPANISH LINGUISTICS AND PHILOLOGY.** (3)
- 144-615A/B MEDIEVAL AND GOLDEN AGE LITERATURE.** (9) An investigation of the principal themes and critical issues in medieval and Golden-Age Spanish literature. Attention will also focus on a comparison with similar problems in colonial Spanish-American literature. Project.
- 144-616A/B MODERN AND CONTEMPORARY SPANISH LITERATURE.** (9) An investigation of the principal themes and critical issues in nineteenth- and twentieth-century Spanish literature. Project.

- 144-617A/B MODERN AND CONTEMPORARY SPANISH-AMERICAN LITERATURE.** (9) An investigation of the principal themes and critical issues in nineteenth- and twentieth-century Spanish-American literature. Project.
- 144-620-624A,B SPANISH LITERATURE OF THE MIDDLE AGES.** (3)
- 144-625-629A,B SPANISH THEATRE OF THE GOLDEN AGE.** (3)
- 144-630-634A,B SPANISH POETRY OF THE GOLDEN AGE.** (3)
- 144-635-639A,B SPANISH PROSE OF THE GOLDEN AGE.** (3)
- 144-640-644A,B CERVANTES.** (3)
- 144-645-649A,B SPANISH NEOCLASSICISM AND ROMANTICISM.** (3)
- 144-650-654A,B SPANISH REALISM AND NATURALISM.** (3)
- 144-655-659A,B SPANISH LITERATURE FROM 1898 TO 1936.** (3)
- 144-660-664A,B SPANISH LITERATURE SINCE THE CIVIL WAR.** (3)
- 144-665-669A,B SPANISH-AMERICAN LITERATURE OF THE COLONIAL PERIOD** (3)
- 144-670-674A,B SPANISH-AMERICAN THEATRE.** (3)
- 144-675-679A,B SPANISH-AMERICAN POETRY.** (3)
- 144-680-689A,B SPANISH-AMERICAN PROSE.** (3)
- 144-690-694A,B SPECIAL TOPICS.** (3)
- 144-695A,B,C THESIS TUTORIAL 1.** (3)
- 144-696A,B,C THESIS TUTORIAL 2.** (3)
- 144-697D M.A. THESIS.** (24)
- 144-790D PH.D. LANGUAGE REQUIREMENT.** (For students in other departments.)

37 History

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Chair — Professor S. Morton

Chair of Graduate Program — Professor C. LeGrand

37.2 Staff

Emeritus Professors

L. Dechène; D.ès Lettres(Paris X)
A. Schachter, D.Phil.(Oxon.) (*Hiram Mills Emeritus Professor of Classics*)

Professors

V.J. Boss; B.A.(Cantab.), Ph.D.(Harv.)
A. Carson; B.A., M.A., Ph.D.(Tor.)
J.W. Hellman; B.A.(Marq.), M.A., Ph.D.(Harv.)
P.C. Hoffmann; Ph.D.(Munich), F.R.S.C. (*William Kingsford Professor of History*)
G.D. Hundert; B.A., M.A.(Ohio St.), Ph.D.(Col.) (*Montreal Jewish Community Professor of Jewish Studies*) (*joint appt with Jewish Studies*)
P.D. Longworth; M.A.(Oxon.)
M.P. Maxwell; B.A.(Sir G.Wms.), M.A., Ph.D.(McG.)
C. Miller; B.A. B.ED.(Acadia), M.A.(Dal.), Ph.D.(Lond.)
D. Morton; B.A.(R.M.C.), B.A. M.A.(Oxon.), Ph.D.(Lond.) (*joint appt with McGill Institute for the Study of Canada*)
T.W. Richardson; B.A.(McG.), M.A., Ph.D.(Harv.)
H. Senior; M.A., Ph.D.(McG.)
G.E. Troy; A.B., A.M., Ph.D.(Harv.)
R.D.S. Yates; B.A.(Oxon.), M.A.(Calif.), M.A.(Oxon.), Ph.D.(Harv.) (*joint appt with East Asian Studies*)
B.J. Young; B.A.(Tor.), M.A., Ph.D.(Queen's)
J.E. Zucchi; B.A. M.A. Ph.D.(Tor.)

Associate Professors

P.H. Boule; A.B.(Ind.), M.A.(Stan.), Ph.D.(Calif.)
P. Clarke; B.A.(Nfld.), M.A.(Tor.), Ph.D.(Lond.)
M. Echenberg; M.A.(McG.), Ph.D.(Wis.)
C. LeGrand; B.A.(Reed), M.A., Ph.D.(Stan.)
L. Moore; A.B., M.A., Ph.D.(Calif.)
S. Morton; B.A.(Trent), M.A., Ph.D.(Dal.)
Y. Ota; B.A., M.A., Ph.D.(Tokyo)
N.F. Partner; B.A., M.A., Ph.D.(Calif.)
A.R. Riggs; B.A.(Delaware), M.A., Ph.D.(Yale)
M.J. Silverthorne; B.Litt., M.A., D.Phil.(Oxon.)
F. Wallis; B.A., M.A.(McG.), Ph.D.(Tor.)

Assistant Professors

C. Desbarats; B.A.(Queen's), D.Phil.(Oxon.), Ph.D.(McG.)
E. Digeser; B.A.(NY), M.A.(Johns H.), M.A., Ph.D.(Calif.)
C. Duncan; B.A.(Queen's), M.A., Ph.D.(York)
E. Elbourne; B.A., M.A.(Tor.), D.Phil.(Oxon.)
B. Lewis; B.A., M.A.(Oxon.), A.M., Ph.D.(Harv.)

37.2 Programs Offered

M.A. Degree in History

M.A. Degree in History of Medicine: (In cooperation with the Department of Social Studies of Medicine; application is made directly to the History Department).

Ph.D. Degree in History

Ph.D. Degree in History of Medicine: (In cooperation with the Department of Social Studies of Medicine; application is made directly to the History Department).

The Department is prepared to direct theses in the following fields and the Redpath, McLennan, and Osler Libraries are well equipped with printed sources for these periods and subjects.

1. British medieval, Tudor and Stuart history, Scotland and Ireland in the 16th-18th centuries, British Modern Social, Constitutional, Political, Cultural, Diplomatic and Military history.
2. Canadian Social, Political, Labour, Cultural, Religious and Economic history.
3. United States Colonial, Revolutionary, Modern Political and Social history.
4. Latin American history.
5. European History: French, German, Hispanic, Italian, East-Central European and Balkan, Russian, Soviet-Russian, Medieval, Renaissance, Reformation, Military, Intellectual, European Jewish history.
6. Japanese Medieval, 19th and 20th century Intellectual and Political history.
7. Chinese history.
8. African history.
9. Ancient history.

37.3 Admission Requirements

General: CGPA minimum: 3.3 on 4.0; TOEFL minimum: 550.

Master in History

Normally, candidates are required to possess an B.A. (Honours) in History, or the equivalent. A Joint Honours degree in History and one other discipline may also be accepted. Applicants not satisfying these conditions, but otherwise judged worthy of serious consideration will be asked to register in a Qualifying Program in which they undertake advanced undergraduate work.

Master in the History of Medicine

Candidates must have a background in either History – B.A. (Honours) or equivalent – or a degree in one of the health professions.

Ph.D. in History

Normally, M.A. in History.