



(2019)

<p><b>1.0 Degree Title</b> Please specify the two degrees for concurrent degree programs</p> <p>Master of Arts &amp; Science (M.A. &amp; Sc.)</p>	<p><b>2.0 Administering Faculty or GPS</b></p> <p>Graduate and Postdoctoral Studies</p>
<p><b>1.1 Major (Subject/Discipline) (30-char. max.)</b></p> <p>TBD</p>	<p><b>Offering Faculty &amp; Department</b></p> <p>GPS/Interfaculty Studies</p>
<p><b>1.2 Concentration (Option) (30 char. max.)</b></p> <p></p>	<p><b>3.0 Effective Term of Implementation (Ex. Sept. 2019 or 201909)</b> Term</p> <p>202309</p>
<p><b>1.3 Complete Program Title (info from boxes 1.0+1.1+1.2+5.2)</b></p> <p>M.A. &amp; Sc. in TBD (Non-Thesis)</p>	

**4.0 Rationale and Admission Requirements for New Program/Concentration**

The M.A. & Sc. aims to prepare students to approach major challenges and problems affecting society today by exposing them to a variety of disciplinary approaches and methods of investigation. The program focuses on cohort building in order to foster synthetic learning outcomes, which are designed to arise from cross-disciplinary interactions and an intensive study of methodological approaches. Students will become conversant in approaches to problem solving across natural, social, humanistic, and abstract forms of expertise. The program is intended for recent graduates of a B.A. or B.Sc. degree program who already have some interdisciplinary experience but seek to enhance their discipline-specific expertise with generalist expertise in problem solving. Minimum CGPS of 3.3 out of 4.0, or equivalent, i.e., B+ (75%).

**5.0 Program Information**  
Indicate an "x" as appropriate

5.1 Program Type	5.2 Category	5.3 Level
Bachelor's Program	Faculty Program (FP)	Undergraduate
Master's <b>X</b>	Major	Dentistry/Law/Medicine
M.Sc.(Applied) Program	Joint Major	Continuing Studies (Non-Credit)
Dual Degree/Concurrent Program	Major Concentration (CON)	Collegial
Certificate	Minor	Masters & Grad Dips & Certs <b>X</b>
Diploma	Minor Concentration (CON)	Doctorate
Graduate Certificate	Honours (HON)	Post-Graduate Medicine/Dentistry
Graduate Diploma	Joint Honours Component (HC)	Graduate Qualifying
Professional Development Cert	Internship/Co-op	
Ph.D. Program	Thesis (T)	<b>5.4 Requires Centrally-Funded Resources</b>
Doctorate Program (Other than Ph.D.)	Non-Thesis (N) <b>X</b>	Yes <b>X</b> No ____
Self-Funded/Private Program	Other	
Off-Campus Program	Please specify	
Distance Education Program		
Other (Please specify)		

<p><b>6.0 Total Credits or CEUs (if latter, indicate "CEUs" in box)</b></p> <p>45</p>	<p><b>7.0 Consultation with Related Units</b> Yes <b>X</b> No</p> <p><b>Financial Consult</b> Yes <b>X</b> No</p> <p><b>Attach list of consultations:</b> <b>X</b></p>
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## 8.0 Program Description (Maximum 150 words)

The M.A. & Sc. in TBD (Non-Thesis) is a 12-month program that prepares students to approach major global and societal problems by exposing them to a variety of disciplinary approaches and methods of investigation. The program begins with comparative methodologies and the fundamentals of data science, and culminates in an independent project. Students take complementary courses in ethics, medicine, and cultural and critical data studies. Exposure to a range of analytical methods and foundational knowledge from both the arts and the sciences, students will become conversant in approaches to problem solving across varied forms of expertise. The program focuses on cohort building and cross-disciplinary interactions in order to foster new and innovative solutions to complex problems.

## 9.0 List of proposed new Program/Concentration

If new concentration (option) of existing program, a program layout (list of all courses) of existing program **must** be attached.

Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit Weight under the headings of: Required Courses, Complementary Courses, Elective Courses)

**Master of Arts and Science in TBD (Non-Thesis) (45 credits)****Required courses (33 credits)**

ARSC 601 Pro-Seminar: Interdisciplinary Knowledge & Methods 1 (3 credits)  
 ARSC 602 Pro-Seminar: Interdisciplinary Knowledge & Methods 2 (3 credits)  
 ARSC 603 Pro-Seminar: Leadership for Social Change (3 credits)  
 ARSC 604 Fundamentals of Data Science 1 (3 credits)  
 ARSC 605 Fundamentals of Data Science 2 (3 credits)  
 ARSC 690 Project: The Social Life of Data (3 credits)  
 ARSC 691 Project: Research Proposal (3 credits)  
 ARSC 692 Independent Project (12 credits)

**Complementary courses (12 credits)**

12 credits from the following; at least 3 credits from each of the following three areas:




Science, Medicine, and Ethics

ANTH 615 Seminar in Medical Anthropology (3 credits)  
 BIOE 680 Bioethical Theory (3 credits)  
 ENVR 615 Interdisciplinary Approach Environment and Sustainability (3 credits)  
 GEOG 503 Advanced Topics in Health Geography (3 credits)  
 HIST 558 Modern Medicine: Seminar (3 credits)  
 PHIL 619 Seminar: Epistemology (3 credits)  
 PHIL 624 Seminar: History & Philosophy of Science (3 credits)  
 PHIL 634 Seminar: Ethics (3 credits)  
 PHIL 641 Seminar: Philosophy of Science (3 credits)  
 PHIL 643 Seminar: Medical Ethics (3 credits)  
 RELG 571 Ethics, Medicine and Religion (3 credits)  
 SOCI 508 Medical Sociology and Social Psychiatry (3 credits)  
 SOCI 515 Medicine and Society (3 credits)

History, Culture, and Society

ANTH 501 Anthropology Beyond the Human (3 credits)  
 ANTH 503 Production of the Past (3 credits)  
 ANTH 555 Advanced Topics in Ethnology (3 credits)  
 ENGL 587 Theoretical Approaches to Cultural Studies (3 credits)  
 ENGL 661 Seminar of Special Studies (3 credits)  
 GEOG 504 Advanced Economic Geography (3 credits)  
 GEOG 507 Advanced Social Geography (3 credits)  
 GEOG 511 Advanced Political Geography (3 credits)  
 GEOG 617 Advanced Urban Geography (3 credits)

(continued)

10.0 Approvals			
Routing Sequence	Name	Signature	Meeting Date
Department	<input type="text"/>	<input type="text"/>	<input type="text"/>
Curric/Acad Committee	Michael Fronda, Associate Dean (Academic)		October 2, 2020
Faculty 1	Antonia Maioni, Dean (Arts)		October 13, 2020
Faculty 2	R. Bruce Lennox, Dean (Science)		October 27, 2020
Faculty 3	<input type="text"/>	<input type="text"/>	<input type="text"/>
CGPS	<input type="text"/>	<input type="text"/>	<input type="text"/>
SCTP	<input type="text"/>	<input type="text"/>	<input type="text"/>
APC	<input type="text"/>	<input type="text"/>	<input type="text"/>
Senate	<input type="text"/>	<input type="text"/>	<input type="text"/>
Submitted by			
Name	<input type="text"/>	To be completed by ES:	
Phone	<input type="text"/>	CIP Code	
Email	<input type="text"/>		
Submission Date	<input type="text"/>		

**REMINDERS:**

\*Box 5.4 – Must be completed; see section 6.5.4 within the New Program Guidelines at:  
<https://www.mcgill.ca/sctp/guidelines>.

\*\*All new program proposals must be accompanied by a 2-3 page support document

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*Complementary courses (continued)*

LLCU 614 Cultural Analytics (3 credits)  
SOC 507 Social Change (3 credits)  
SOC 545 Sociology of Population (3 credits)

Computation and Digital Technologies

BIOL 596 Advanced Experimental Design (1 credit)  
BIOL 597 Advanced Biostatistics (2 credits)  
BIOL 598 Advanced Design and Statistics (3 credits)  
COMP 526 Probabilistic Reasoning and AI (3 credits)  
COMP 561 Computational Biology Methods and Research (4 credits)  
COMP 610 Information Structures 1 (4 credits)  
COMP 612 Database Programming Principles (4 credits)  
COMP 614 Distributed Data Management (4 credits)  
COMP 652 Applied Machine Learning (4 credits)  
GEOG 506 Advanced Geographic Information Science (3 credits)  
GEOG 601 Advanced Environmental Systems Modelling (3 credits)  
GLIS 625 Information Architecture (3 credits)  
GLIS 630 Data Mining (3 credits)  
GLIS 657 Database Design & Development (3 credits)  
GLIS 661 Knowledge Management (3 credits)  
GLIS 663 Knowledge Taxonomies (3 credits)  
GLIS 690 Information Policy (3 credits)  
GLIS 691 Special Topics 1 (3 credits)  
GLIS 692 Special Topics 2 (3 credits)  
LLCU 602 The Digital Humanities (3 credits)  
LLCU 612 Literary Text Mining (3 credits)  
PSYC 513 Human Decision-Making (3 credits)  
PSYC 531 Structural Equation Models (3 credits)  
PSYC 536 Correlational Techniques (3 credits)  
PSYC 541 Multilevel Modelling (3 credits)

Other courses at the 500- or 600-level may be chosen in consultation with the academic adviser or supervisor.

## **Masters of Arts and Science (M.A. & Sc.) – Support Document**

### **Preface**

In spring 2019, the Provost tasked the Faculties of Arts and Science with developing an interdisciplinary, 12-month non-thesis program that would be recognized with a new graduate degree: a Masters of Arts and Science (M.A. & Sc.)<sup>1</sup>. The following proposal is the product of extensive work done by Associate Deans from both faculties, as well as consultation with a range of experts and stakeholders across the university.<sup>2</sup>

### **Program description and rationale**

The M.A. & Sc. program is grounded in the recognition that devising solutions to the most pressing global problems—such as climate change, artificial intelligence, public health, and population migration—requires a synthesis of analytical methods and foundational knowledge from both the humanities and the sciences. The M.A. & Sc. is aimed at preparing students to approach the major challenges and problems that affect society today—such as those related to environment, technology, health, and immigration—by exposing them to a variety of disciplinary approaches and methods of investigation, specifically a constellation of approaches to working with data. Students will engage with subject-based readings in order to gain familiarity with a range of values and the assumptions that inform them. Students will also experiment with a variety of interpretive practices including data analysis, case studies, field work, ethics, and imaginative modelling in order to better conceptualize complex responses to problems that transcend traditional domains of understanding. By becoming acquainted with a range of methodologies from disciplines in the humanities and the sciences, students will become conversant in approaches to problem solving across natural, social, humanistic, and abstract forms of expertise. Thus the program’s interdisciplinarity does not consist in making students experts in multiple disciplines but rather, through its intensive study of methodological approaches, in teaching them how to communicate across disciplinary boundaries and to interact with colleagues whose expertise complements their own. The program focuses on cohort building and cross-disciplinary interactions in order to foster new and innovative solutions to complex problems.

### **Target audience**

The program is intended for excellent recent graduates of a B.A. or B.Sc. degree program who already have some interdisciplinary experience but seek to enhance their discipline-specific expertise with generalist expertise in problem solving. We anticipate that the program would serve both McCall MacBain Scholars and direct applicants, with an annual enrolment target of 45 to 50 students.

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<sup>1</sup> The title is yet to be determined. For a list of potential titles, see Appendix 1.

<sup>2</sup> For a complete list of consultations, see attached document (‘Consultations’).

Applicants from the Arts should have some quantitative background, while Science students should have some background in the humanities and social sciences (see Appendix 2 for a list of prerequisites). For example, students from McGill's B.A. & Sc. program (or a comparable undergraduate program) would be ideal candidates, as would students who double majored in one arts and one science field. Students who majored in an arts discipline and minored in a science one (or vice versa) would also be good candidates. However, students from the arts with no quantitative training whatsoever (or science students with no humanities background) are not suitable candidates.<sup>3</sup>

### Program structure

The M.A. & Sc. is a 12-month, 45-credit non-thesis program. It begins with a common foundation in comparative methodologies and the fundamentals of data science, and culminates in an independent project developed by the student that reflects their personal interests, strengths, and vision. Students will take 33 credits of coursework together. These shared, core courses will offer opportunities for students to exchange ideas and engage with peers from different backgrounds, thus fostering a sense of community and a unique, cross-disciplinary learning environment. The remaining 12 credits will be comprised of complementary courses, which allow the student to pursue a range of program-related topics based on their individual interests.

### Description of courses

The foundation of the program consists of three core sets of courses: a Proseminar series, a Data Science sequence, and a multi-term Project course.

- **Proseminar** (9 cr.): This is a reading- and writing-intensive course, spanning three consecutive terms. In the first term (ARSC 601), students will become familiar with different methodological frameworks, ranging from theoretical and ethical to empirical and socio-historical. By examining different approaches to defining and framing problems, students will develop cross-disciplinary knowledge, along with analytical and critical thinking skills. In the second term (ARSC 602), students will consider the evolution of scientific knowledge as it pertains to how we conceive of certainty and uncertainty in our representations of the world. Through engagement with topics in scientific epistemology, students will be able to evaluate the way that knowledge is discovered, generated, and constructed within socio-historical contexts, and thus be better equipped to address challenges related to the way we communicate and act in scientific decision-

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<sup>3</sup> We intend to provide bootcamps in both numerical literacy and textual interpretation to ease the transition for students coming from the sciences and the arts, respectively. This six-week set of workshops and seminars, beginning in mid-July, will be optional for all incoming students, but mandated in certain cases (e.g., if an otherwise exceptional student has certain gaps in their training). Such decisions will be made by the admissions committee, and we expect the number of applicants for whom this will be required to be very small. Bootcamps are not for-credit and will not appear on the transcript.

making. In the third term (ARSC 603), students will focus on developing the professional, interpersonal, and leadership skills that will be essential for successful problem solving upon entering the workforce. We envision this course being co-taught by distinguished McGill faculty members – one from the arts and one from the sciences (each term, for a total of six professors). There is also the potential for a new hire who works at the intersection of the arts and sciences, especially in interdisciplinary methodology.

- **Data Analytics** (6 cr.): This course, spanning two consecutive terms (ARSC 604 & 605), will equip students with the fundamental quantitative skills for working with data in industry, government, and academic sectors. It begins with a unit on statistical and computational methods, followed by a series of modules that address issues in quantitative data-driven analysis as they arise in real-world problems, drawn from different disciplines. We envision each module being taught by a different McGill faculty member who works in [data science](#).
- **Project** (18 cr.): In this course, spanning three consecutive terms, students will work in small, multi-disciplinary groups to develop and execute a project idea of their own. The first term (ARSC 690) will address a topic related to the social life of data, exposing students to a variety of interdisciplinary approaches and thus functioning as a template for them in the development of their projects. In the second term (ARSC 691), students will work in small groups (approx. 4-6 members) to put together their research proposal. In the third term (ARSC 692), they will carry out their proposed project. There is the potential for a new hire in the area of critical data studies, who can teach the first course in this sequence. Supervision for the latter project courses will be provided by M.A. & Sc. affiliated faculty.
- **Complementary courses** (12 cr.): Students will complete 12 credits of complementary coursework, allowing for a degree of specialization based on their interests and existing competencies. Students will choose at least one course from each of the following three streams: science, medicine and ethics; history, culture, and society; computation and digital technologies. The list of complementary courses will initially be drawn from the existing course offerings in the Faculties of Arts and Sciences at McGill, but we envision designing new courses for the program; indeed, in the course of our consultations, a number of units have indicated a willingness to collaborate on this. Other courses at the 500- or 600-level may be chosen in consultation with the academic adviser or supervisor if they are deemed to fall under one of the streams.

Fall	Winter	Summer
ARSC 601 Proseminar: Interdisciplinary Knowledge and Methods 1 (3)	ARSC 602 Proseminar: Interdisciplinary Knowledge and Methods 2 (3)	ARSC 603 Proseminar: Leadership for Social Change (3)
ARSC 604 Fundamentals of Data Science 1 (3)	ARSC 605 Fundamentals of Data Science 2 (3)	
ARSC 690 Project: The Social Life of Data (3)	ARSC 691 Project: Research Proposal (3)	ARSC 692 Independent Project (12)
Complementary course (3)	Complementary course (3)	
Complementary course (3)	Complementary course (3)	

## Learning outcomes

Graduates of the M.A. & Sc. program will emerge with a novel skill set, stemming from its innovative approach to problem solving and interdisciplinary methodologies. Students will be able to recognize the complex and tacit assumptions that inform different fields, and understand how different disciplines confront and define complex problems. They will learn how to bring data analytics to bear on social problems, leading to evidence-based decision making, and, conversely, how cultural contexts and value systems bear on scientific issues. Finally, they will learn how to work with those who come from different disciplinary backgrounds on common projects, and thus envision creative and informed solutions to critical issues affecting contemporary society.

## Comparable programs

Interdisciplinary programs have increased dramatically over the past two decades. Several universities offer MA programs in quantitative or computational social sciences. Many others offer MSc degrees in interdisciplinary data science or science and technology studies (STS). However, we have not found an existing program elsewhere that combines elements from both the arts and sciences. Programs focused on problem solving and/or strategic thinking tend to be found in business and management, while programs related to design thinking tend to be found in fine arts. There are also many institutions which offer students the option to specialize across disciplines (NYU's Gallatin School of Individualized Study; Concordia's Individualized Program). However, these options are pursued individually, rather than in a cohort. We believe that a great strength of the proposed program is a structure that enables students with different disciplinary backgrounds to arrive at a shared foundation, even while following their own interests. The following is a list of programs consulted, which are comparable with respect to certain components of our proposed program:

- Columbia University, MA in Quantitative Methods in Social Sciences ([QMSS](#)); [Lede Program in Data Practices](#) (School of Journalism and Department of Computer Science)
- Duke University, Masters in Interdisciplinary Data Science ([MIDS](#))
- London School of Economics, MSc in Media and Communications ([Data and Society](#))
- Paris College of Art, MA in [Design for Social Impact](#)
- University of British Columbia, MA in Measurement, Evaluation, and Research Methodology ([MERM](#)); MA in Science and Technology Studies ([STS](#))
- University of Chicago, MA in Computational Social Science ([MACSS](#))
- University of Edinburgh, MA in Global Studies ([Edinburgh Futures Institute](#))
- University of Warwick, MSc in [Big Data and Digital Futures](#) (Centre for Interdisciplinary Methodologies)
- University of Westminster, MA in [Data, Culture, and Society](#)



**Appendix 1: Potential Titles**

Complex Problem Solving  
 Innovative Problem Solving  
 Design Thinking  
 Transformative Research and Practice  
 Interdisciplinary Methodologies  
 Interdisciplinary Data Studies  
 Interdisciplinary Data Studies and Global Problem Solving  
 Interdisciplinary Data Studies and Global Problems  
 Interdisciplinary Data Studies and Global Leadership  
 Data and Social Change  
 Data and Social Innovation  
 Data and Social Transformation  
 Data and Society

**Appendix 2: Prerequisites**

The specific course codes represent the McGill offerings, and are not meant to be exhaustive. Additionally, comparable courses at a higher level (i.e., 300- or 400-) would count.

B.A. students are expected to have a minimum of four courses from the following:

- Calculus (MATH 222)
- Linear Algebra (MATH 223)
- Logic/Proofs (COMP 230, MATH 318, PHIL 210, PHIL 310)
- Probability (MATH 323)
- Statistics (MATH 324, ECON 227, PSYC 204, or SOCI 350)
- Computation/Programming (COMP 202, COMP 206, COMP 250, COMP 251, COMP 273)

B.Sc. students are expected to have at least four courses from the humanities and social sciences, especially from the following disciplines:

- Anthropology (ANTH 202, ANTH 204, ANTH 222, ANTH 227)
- Communication Studies (COMS 200, COMS 210)
- English (ENGL 275, ENGL 276)
- Philosophy (PHIL 200, PHIL 230, PHIL 237, PHIL 240)
- Political Theory (POLI 231, POLI 232)
- Sociology (SOCI 210, SOCI 219)

## Consultations

1. Consultation forms for complementary courses: *Attached*

2. Financial Consult: The Provost was recently presented with the latest version of this program proposal, including a list of the additional resources required for its delivery. The Provost requested a detailed budget proposal, which we are in the process of preparing. We expect to secure a commitment for these by the time these proposals reach the Academic Policy Committee (APC).

3. Individual Consultations

*Since July*

- Marguerite Deslauriers (Philosophy)
- Gabrielle Coleman (Communication Studies; Wolfe Chair in Scientific and Technological Literacy)
- Kimiz Dalkir (Director, School of Information Studies)
- Ken Dryden (Institute for the Study of Canada)
- Benjamin Fung (Information Studies/Computer Science; CRC in Data Mining for Cybersecurity)
- Ian Gold (Philosophy/Psychiatry; former director, B.A. & Sc. Interfaculty Program Cognitive Science)
- Iwao Hirose (Philosophy/Environment; CRC in Value Theory and Public Policy)
- Bettina Kemme (School of Computer Science, Director)
- Eduardo Kohn (Anthropology)
- Catherine Lu (Political Science; Director, Research Group on Global Justice)
- Kristin Norget (Anthropology, Dept. Chair)
- Nigel Roulet (Geography, Dept. Chair)
- Hasana Sharp (Philosophy, Dept. Chair)
- Eran Tal (Philosophy; CRC in Data Ethics)
- Jacob Levy (Political Science, Tomlinson Professor of Political Theory; Director, Yan P. Lin Centre for the Study of Freedom and Global Orders in the Ancient and Modern Worlds)
- Carrie Rentschler (Communication Studies; Dawson Scholar, Feminist Media Studies)

*Future*

- Annmarie Adams (Chair, Social Studies of Medicine)
- Darin Barney (Grierson Chair, Communication Studies)
- David Buckeridge (Epidemiology, Biostatistics and Occupational Health, CRC in Health Informatics and Data Science)
- Shelley Clark (Sociology; Director, Centre on Population Dynamics)

- Nick King (Social Studies of Medicine; Director, Policy and Data Science (PODS) program, Max Bell School of Public Policy)
- Aaron Ehrlich (Political Science)
- Derek Ruths (Computer Science; Director, B.A. & Sc. Program; Director, Centre for Social and Cultural Data Science)
- Amélie Quesnel-Vallée (Sociology/Epidemiology, Biostatistics and Occupational Health; Director, Consortium on Analytics for Data-Driven Decision-Making (CANd3))
- Renee Sieber (Geography; GIS/Computer Models for Social Change)
- Dietlind Stolle (Political Science; Director, Centre for the Study of Democratic Citizenship)
- Jonathan Sterne (Communication Studies; James McGill Chair in Culture & Technology)
- Erin Strumpf (Economics/Epidemiology, Biostatistics and Occupational Health)
- Daniel Weinstock (Katharine A. Pearson Chair in Civil Society and Public Policy in the Faculties of Law and of Arts; Director, Institute for Health and Social Policy)
- David Wright (History/IHSP; CRC in the History of Health Policy)

\*We welcome suggestions of other colleagues across the university whose feedback and collaboration would contribute to the ongoing development of this program.

**CONSULTATION REPORT FORM  
RE PROGRAM PROPOSALS**

**DATE:** 09/14/2020

**TO:** Dept. Chair, Anthropology – Prof. Kristin Norget

**FROM:** Nicholas Dunn, Academic Programs Officer (GPS)

**The attached proposal has been submitted to the Curriculum Committee, and it has been decided that your department should be consulted.**

Program Title: Master of Arts (Non-Thesis)

**Would you please review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal. Specifically, courses taught by your department that have been included in the program’s list of courses.**

- ANTH 501 Anthropology Beyond the Human (3)
- ANTH 503 Production of the Past (3)
- ANTH 555 Advanced Topics in Ethnology (3)
- ANTH 615 Seminar in Medical Anthropology (3)

\_\_\_\_\_ **NO OBJECTIONS**                       **SOME OBJECTIONS**

**COMMENTS:**

Professors from our department are enthusiastic about the possibility of having students from the proposed MA take their classes but they will decide whether or not this is an appropriate class for the student on a case by case basis. Course content is designed primarily for the needs of our graduate program and will not be changed based on the needs of other programs.

A handwritten signature in black ink, appearing to be 'W. J. ...', written over a light grey rectangular background.

**Signature:**

**Date:** Sept. 22/2020



## CONSULTATION REPORT FORM RE PROGRAM PROPOSALS

**DATE:** 09/14/2020

**TO:** Chair, Biology – Prof. Gregor Fussmann

**FROM:** Nicholas Dunn, Academic Programs Officer (GPS)

**The attached proposal has been submitted to the Curriculum Committee, and it has been decided that your department should be consulted.**

Program Title: Master of Arts and Science (Non-Thesis)

**Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal. Specifically, a course [or courses] taught by your department that has [have] been included in the program's list of courses.**

BIOL 596 Advanced Experimental Design (1)  
 BIOL 597 Advanced Biostatistics (2)  
 BIOL 598 Advanced Design and Statistics (3)

\_\_\_\_\_ **NO OBJECTIONS**                        **X**   **SOME OBJECTIONS**

**COMMENTS:**

**We have no objections, in principle, to the inclusion of these courses in the MA/MSc program, but they have not been offered in recent years and, according to the instructor who developed them, they are unlikely to be offered in the immediate future.**

**Signature:**



**Date:**

**September 17, 2020**

## CONSULTATION REPORT FORM RE PROGRAM PROPOSALS

**DATE:** 09/18/2020

**TO:** Director, School of Computer Science - Prof. Bettina Kemme

**FROM:** Nicholas Dunn, Academic Programs Officer (GPS)

**The attached proposal has been submitted to the Curriculum Committee, and it has been decided that your department should be consulted.**

Program Title: Master of Arts and Science (Non-Thesis)

**Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal. Specifically, a course [or courses] taught by your department that has [have] been included in the program's list of courses.**

COMP 526 Probabilistic Reasoning and AI (3)  
 COMP 561 Computational Biology Methods and Research (3)  
 COMP 610 Information Structures 1 (4)  
 COMP 612 Database Programming Principles (4)  
 COMP 614 Distributed Data Management (4)  
 COMP 652 Machine Learning (4)

\_\_\_\_\_ **NO OBJECTIONS**                          **x**     **SOME OBJECTIONS**

**COMMENTS:**

- We have no objections to the program itself, but most of the specific courses indicated have not been offered in some time, and are heading toward being retired, or perhaps taken over and heavily revised by new faculty:

- COMP 526 Probabilistic Reasoning and AI (3): will be retired or heavily revised by new faculty
- COMP 561 Computational Biology Methods and Research (3): ok
- COMP 610 Information Structures 1: will be retired or heavily revised by new faculty
- COMP 612 Database Programming Principles: has not been offered in many years; will be retired.
- COMP 614 Distributed Data Management: ok, but quite specialized
- COMP 652 Machine Learning: will be retired or heavily revised

If the non-offered courses are removed, however, the list reduces to just COMP 561 and COMP 614 which seems an extremely arbitrary course selection.

- A minimum of a CS Minor would be needed to take such courses, with prerequisites for these courses varying from course to course.

**Signature:**  CLARK VERBRUGGE

**Date:** October 5/2020



**CONSULTATION REPORT FORM  
RE PROGRAM PROPOSALS**

**DATE:** 09/14/2020

**TO:** Dept. Chair, English – Prof. Trevor Ponch

**FROM:** Nicholas Dunn, Academic Programs Officer (GPS)

**The attached proposal has been submitted to the Curriculum Committee, and it has been decided that your department should be consulted.**

Program Title: Master of Arts and Science (Non-thesis)

**Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal. Specifically, a course [or courses] taught by your department that has [have] been included in the program's list of courses.**

ENGL 587 Theoretical Approaches to Cultural Studies (3)  
ENGL 661 Seminar in Special Studies (3)

**X**  
\_\_\_\_\_ **NO OBJECTIONS** \_\_\_\_\_ **SOME OBJECTIONS**

**COMMENTS:**

**Signature:**



**Date:** September 14, 2020





**CONSULTATION REPORT FORM  
RE PROGRAM PROPOSALS**

**DATE:** 09/15/2020

**TO:** Director, School of Information Studies - Prof. Kimiz Dalkir

**FROM:** Nicholas Dunn, Academic Programs Officer (GPS)

**The attached proposal has been submitted to the Curriculum Committee, and it has been decided that your department should be consulted.**

Program Title: Master of Arts and Science (Non-Thesis)

**Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal. Specifically, a course [or courses] taught by your department that has [have] been included in the program's list of courses.**

GLIS 625 Information Architecture (3)

GLIS 630 Data Mining (3)

GLIS 657 Database Design & Development (3)

GLIS 661 Knowledge Management (3)

GLIS 663 Knowledge Taxonomies (3)

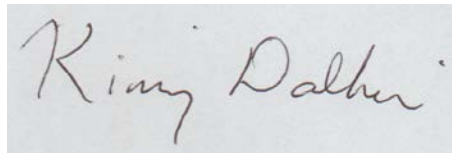
GLIS 690 Information Policy (3)

GLIS 691 Special Topics 1: Fundamentals of Computer Programming for Information Professionals (3)

GLIS 692 Special Topics 2: Data Science (3)

    **X**          **NO OBJECTIONS**      \_\_\_\_\_      **SOME OBJECTIONS**

**COMMENTS:**



**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **September 17, 2020** \_\_\_\_\_

**CONSULTATION REPORT FORM  
RE PROGRAM PROPOSALS**

**DATE:** 09/14/2020

**TO:** Chair, History and Classical Studies – Dr. Jason Opal

**FROM:** Nicholas Dunn, Academic Programs Officer (GPS)

**The attached proposal has been submitted to the Curriculum Committee, and it has been decided that your department should be consulted.**

Program Title: Master of Arts and Science (Non-Thesis)

**Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal. Specifically, a course [or courses] taught by your department that has [have] been included in the program’s list of courses.**

567 D1/D2 Medieval Medicine (6)  
HIST 558 Modern Medicine: Seminar (3)  
596 D1/D2 Canadian Health History (6)

**X**  
\_\_\_\_\_ **NO OBJECTIONS** \_\_\_\_\_ **SOME OBJECTIONS**

**COMMENTS:**

**Moving forward, advanced (500 or 600-level) classes offered by Profs. Nicholas Dew, David Wright, and Faith Wallis should be carefully considered and probably added to this list; Profs. Wright and Wallis have joint appointments with the Faculty of Medicine, just like Prof. Andrea Tone.**



**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **14 September 2020** \_\_\_\_\_

**CONSULTATION REPORT FORM  
RE PROGRAM PROPOSALS**

**DATE:** 09/21/2020

**TO:** Chair, Department of Languages, Literatures, and Cultures – Prof. Fernanda Macchi

**FROM:** Nicholas Dunn, Academic Programs Officer (GPS)

**The attached proposal has been submitted to the Curriculum Committee, and it has been decided that your department should be consulted.**

Program Title: Master of Arts and Science (Non-Thesis)

**Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal. Specifically, a course [or courses] taught by your department that has [have] been included in the program's list of courses.**

LLCU 602 The Digital Humanities (3)  
LLCU 612 Literary Text Mining (3)  
LLCU 614 Cultural Analytics (3)

    X    

**NO OBJECTIONS**

\_\_\_\_\_

**SOME OBJECTIONS**

**COMMENTS:**

**Signature:** Mf. Giacchi

**Date:** October 22, 2020

**CONSULTATION REPORT FORM  
RE PROGRAM PROPOSALS**

**DATE:** 08/19/2020

**TO:** Chair, Philosophy- Prof. Hasana Sharp

**FROM:** Nicholas Dunn, Academic Programs Officer (GPS)

**The attached proposal has been submitted to the Curriculum Committee, and it has been decided that your department should be consulted.**

Program Title: Master of Arts and Science in Complex Problem-Solving (Non thesis)

**Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal. Specifically, a course [or courses] taught by your department that has [have] been included in the program's list of courses.**

PHIL 619 Epistemology (3)  
PHIL 624 History & Philosophy of Science (3)  
PHIL 634 Ethics (3)  
PHIL 641 Philosophy of Science (3)  
PHIL 643 Medical Ethics (3)

**X**

**NO OBJECTIONS**

**SOME OBJECTIONS**

**COMMENTS:**

**We look forward to contributing to the new degree.**



**Signature:**

**Date:**

**2 Sept. 2020**







**CONSULTATION REPORT FORM  
RE PROGRAM PROPOSALS**

**DATE:** 09/14/2020

**TO:** Chair, Sociology– Prof. Matthew Lange

**FROM:** Nicholas Dunn, Academic Programs Officer (GPS)

**The attached proposal has been submitted to the Curriculum Committee, and it has been decided that your department should be consulted.**

Program Title: *Master of Arts and Science (Non-Thesis)*

**Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal. Specifically, a course [or courses] taught by your department that has [have] been included in the program’s list of courses.**

- SOCI 507 Social Change (3)
- SOCI 545 Sociology of Population (3)
- SOCI 508 Medical Sociology and Social Psychiatry (3)
- SOCI 515 Medicine and Society (3)

x

\_\_\_\_\_ **NO OBJECTIONS** \_\_\_\_\_

\_\_\_\_\_ **SOME OBJECTIONS** \_\_\_\_\_

**COMMENTS:**

**The GPD and I agree that having these 500-level courses has a few of many complementary courses will not cause problems for our programs.**

**Signature:** \_\_\_\_\_



**Date:**

14/9/20\_\_\_\_\_