



**Graduate and Postdoctoral Studies  
Programs, Courses and University Regulations  
2018-2019**



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# 1 University Regulations and Resources

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## 1.1 Regulations

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Regulations* section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

### 1.1.1 Authorization, Acknowledgement, and Consent

When applying for admission to the University, you are bound by and agree to observe all statutes, rules, re

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as Additional Session students until completion of the program. It is expected that, at this stage, all the coursework and comprehensive examinations will have been completed and the student will be engaged in thesis preparation.

Graduate students in non-thesis programs, graduate diplomas and certificates who hav

remains registered at the former institution to complete his/her graduate degree. The category of Graduate Research Trainee cannot be used to conduct the majority of thesis research at McGill under the supervision of a McGill professor.

\* Extensions beyond 12 months are **not** granted.

### Conditions

Students applying to be a Graduate Research Trainee:

- must be registered in a graduate degree program at another university;
- must have permission from the sponsoring institution and include a letter of permission with their application;
- must have the approval of a McGill professor and graduate program to supervise their research;
- may apply for a start date throughout the academic year, but for administrative reasons, must reapply at the beginning of the formal academic year (for Fall term admission) if remaining at McGill; for example, if you begin a 12-month visit in January, you must reapply for the Fall term (September). A trainee may spend up to a maximum of 12 months at McGill, but the time does not have to be consecutive. The trainee can apply for multiple stages over a period of time that does not exceed 12 months.
- must include copies of transcripts as part of the application package;
- must demonstrate adequate proficiency in English to function in the University environment, including any required safety training and understanding of policies and procedures. Assessment of written and verbal language skills is the responsibility of the supervising professor;
- are not charged fees for any term of registration including Summer;
- are not charged any Student Services or Ancillary fees and thus do not have access to these services (including health insurance). Membership to athletics services may be purchased. Graduate Research Trainees do have access to McGill libraries, email, and required training in research ethics and safety;
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

To submit an application refer to: [www.mcgill.ca/gps/students/graduate-research-trainee](http://www.mcgill.ca/gps/students/graduate-research-trainee).

#### 1.1.2.10 Non-Resident Exchange Status

The status of "non-resident" is only applicable to students participating in a formal exchange program, in which McGill has signed an exchange agreement with a partner institution. The student must register and will be charged full-time tuition including other student-related fees at McGill.

#### 1.1.2.11 Medical Residents

Residents and fellows on staff of teaching hospitals associated with the University are included in Graduate and Postdoctoral Studies statistics. In the event that residents and fellows wish to take courses at the graduate level, they must apply for admission as Special Students, or apply to a degree program, graduate diploma, or certificate.

#### 1.1.2.12 McGill Staff as Graduate Students

Members of the teaching staff of the University up to and including the rank of lecturer may enrol as candidates for a degree, diploma or certificate. If their teaching duties are designated as full-time, they may only enrol as half-time students.

Professorial members of the academic staff may not enrol in graduate degree and diploma programs. This rule shall apply also to any persons who have been on the professorial staff within the previous 12 months, unless they resign completely from their positions at McGill.

Should persons registered in graduate studies be promoted to professorial rank, they may no longer remain graduate students, unless they resign or are granted a leave of absence from their professorial appointments.

In certain exceptional cases, professorial members of the academic staff may apply to a graduate program in academic units other than their own. Enrolment Services may grant permission if it is satisfied that the applicant's teaching unit and proposed unit for graduate study are sufficiently remote that conflict of interest situations will not arise. Permission must be granted before any courses are taken toward the proposed degree.

#### 1.1.2.13 Quebec Inter-University Transfer Agreement

##### 1.1.2.13.1 Quebec Inter-University Transfer Agreement: McGill Students

The Quebec Inter-University Transfer (IUT) agreement permits concurrent registration at McGill and another Quebec institution.

If you are a regular McGill undergraduate or graduate degree, diploma, or certificate student, you may register, with your faculty's permission, at any Quebec university for three, or in some cases six, **credits** per term in addition to your registration at McGill. You may also obtain permission to complete a full term (i.e., 12 to 15 credits) at another Quebec university. Your combined registration may not, however, exceed the total number of credits you are permitted to complete in a given term. These courses, subject to faculty regulations, will be recognized by McGill for the degree that you are registered for, up to the limit imposed by the residency requirements of the program. Normally, you must complete a minimum residency requirement of 60 credits at McGill in order to qualify for a McGill degree (you should check with your faculty). This privilege will be granted if there are valid academic reasons.

If you want to take advantage of this agreement, consult your Student Affairs Office for details. Note that this agreement is subject to the following conditions:

- The Quebec universities concerned may, at their discretion, refuse the registration of a student for any of their courses.
- You must complete your faculty and program requirements.
- You are responsible for ensuring that the McGill Class Schedule permits you to take these courses without conflict.
- The Quebec universities concerned are not responsible for special arrangements in cases of examination or class schedule conflicts.

- Grades earned at the host university will not be included in your McGill grade point averages (GPA) or show on your McGill transcripts.
- If you are attending McGill as an Exchange student from outside Quebec, you are not eligible to take courses at another Quebec institution through the IUT agreement.
- Any grades received late from host universities may delay your graduation.

If you are a scholarship holder, you should consult with your Student Affairs Office and the scholarships coordinator concerning eligibility for continuation or renewal of your award(s).

You must initiate an online Quebec Inter-University Transfer (IUT) application to request the required authorizations at [www.mcgill.ca/students/iut](http://www.mcgill.ca/students/iut). You may find additional information posted on your faculty website.



**Note:** Once the Quebec Inter-University Transfer (IUT) application is approved by both the home and host universities, you must register in the approved course. The method of registration of the host university will vary (e.g., web, in-person, phone, etc.). **You must allow sufficient time to complete and submit your electronic application, because you are responsible for adhering to all the host university's registration deadlines.** If you decide later to drop or withdraw from the approved course(s), you will need to drop or withdraw from the course using the host university's registration method AND submit this change on the online Quebec Inter-University Transfer (IUT) application.

The host institution will automatically submit your grades to McGill for any completed courses.



**Note for the Faculties of Arts and Science (including B.A. & Sc.):** If you participate in any type of study away or exchange (including Quebec Inter-University Transfer) during your final (U3) term—even if you are taking only one course outside of McGill—you will not be able to graduate by the end of this final term and must change your graduation to the following term.



**Note for Engineering:** For most programs, courses that can be taken through the IUT agreement are restricted to specific course categories. For details, please see [www.mcgill.ca/engineering/students/exchanges-study-away/study-away](http://www.mcgill.ca/engineering/students/exchanges-study-away/study-away).



**Note for Nursing:** You must obtain permission from the Ingram School of Nursing to register at another Quebec university for three, or in some cases six, credits per term in addition to your registration at McGill. These courses, subject to the Ingram School of Nursing's regulations, will be recognized by McGill for the degree that you are registered for, up to the limit imposed by the residency requirements of the program. Normally, you must complete a minimum residency (i.e., courses taken at McGill) requirement of 60 credits at McGill in order to qualify for a McGill degree (you should check with the Ingram School of Nursing). This privilege will be granted if there are valid academic reasons. If you want to take advantage of this agreement, please see [www.mcgill.ca/students/iut](http://www.mcgill.ca/students/iut) for information and application procedures. The final grades earned at the host university must meet the minimum requirements as set by the Ingram School of Nursing, i.e., a letter grade of 'C'.



**Note for Physical and Occupational Therapy:** The final grades earned at the host university must meet the minimum requirements as set by the Physical Therapy or Occupational Therapy programs.

#### 1.1.2.14 Quebec Inter-University Transfer Agreement: Visiting IUT Students



**Note for Health Sciences:** This section applies only to the Ingram School of Nursing.

The Quebec Inter-Univ

### 1.1.3 Registration

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Registration* section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

#### 1.1.3.1 Registration for Fall and Winter Terms (Including Additional Session and Non-Thesis Extension Students)

All returning and new graduate students must register online at [www.mcgill.ca/minerva](http://www.mcgill.ca/minerva). It is the student's responsibility to obtain departmental approval before registering on Minerva.

Courses may be added until the end of the course change period without penalty.

##### **Returning Students:**

Returning students register via [Minerva](#) between April 4, 2018 and August 14, 2018.

##### **Newly-Admitted Students:**

New students entering in **September 2018** register via [Minerva](#) between July 4, 2018 and August 14, 2018.

New students entering in **January 2019** register via [Minerva](#) between December 4, 2018 and January 7, 2019.



**Note:** If you fail to register during the normal registration period, you can register within the period designated by the University for late registration. You will, however, be charged a late registration fee. **To avoid the late registration fee, students must access [Minerva](#) and register for REGN RCGR (the Registration Confirmation course) in both the Fall (CRN 2334) and Winter (CRN 2262) terms.** New students entering in January 2019 only need to register for REGN RCGR in the Winter (CRN 2262) term.

Successful completion of re

#### 1.1.3.5.1 Graphos Scholarly Communication Courses





Graduate students who wish to withdraw from McGill should consult [section 1.1.5: University Withdrawal](#), and submit a "Request for a University Withdrawal" form available at [Student Records Forms](#). Please note that this form is sent to the Management of Academic Records Office, Enrolment Services.



**Note for Health Sciences:** Withdrawal (W) deadline dates are listed at [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates). The health profession programs described in this eCalendar are highly structured and students should consult their adviser or Student Affairs Office to determine what course changes, if any, are allowed.

1. To withdraw from required or complementary courses after the withdrawal (without refund) deadline, you may need to obtain permission from your adviser, and you must fill out and submit a course withdrawal form, available from your Faculty Student Affairs Office. Additional restrictions for Music courses are indicated in the Schulich School of Music's [Undergraduate](#) section. (Note 1 is not applicable to Medicine, Dentistry, and Nursing. For information, you should refer to your Faculty/School section in this publication.)
2. It is solely your responsibility to initiate a course withdrawal on *Minerva*. Neither notification of the course instructor nor discontinuing class attendance is sufficient. The date on which you withdraw on *Minerva* is the official date of withdrawal, even if you had stopped attending lectures earlier.
3. You may still withdraw from a course after the Course Change deadline without academic penalty, provided that you do so within the appropriate withdrawal deadlines for the term (see deadlines above). Otherwise, after this time, your name will continue to appear on the class list and grade reports and, in the event that you do not take the exam, you will be given a J grade.
4. Fee refunds, if any, will be in accordance with [section 1.8.8: Fees and Withdrawal from the University](#).



**Note for Ingram School of Nursing:** To withdraw from any courses after the withdrawal (without refund) deadline, you need to obtain permission from your Program Director. To do so, submit a formal request by email to the Ingram School of Nursing [Student Affairs Office](#) along with proper documentation to support this request.



**Note for School of Physical and Occupational Therapy:** The Physical Therapy and Occupational Therapy programs are highly structured and students must receive the approval of the Program Director to determine what course changes, if any, are allowed. Students can consult the [Student Affairs Office](#) for information on policies and procedures.

If you are blocked from withdrawing from a required course on *Minerva*, and have permission to do so, you must contact the [Student Affairs Office](#), who will provide you with the proper forms.

#### 1.1.3.10 Withdrawal from a Degree Program

Departments have the right to ask students to withdraw from the program if progress is not satisfactory, or if they have failed two courses required for their program, or for lack of performance in research. Please see [section 1.2.2: Failure Policy](#).

Any student who withdraws from the University **must complete a Request for a University Withdrawal form** available at [www.mcgill.ca/student-records/forms](http://www.mcgill.ca/student-records/forms). Fees will then be refunded according to the conditions outlined in [section 1.1.3.8: Course Change Period](#) and in [section 1.1.3.9: Course Withdrawal](#).

### 1.1.4 Course Information and Regulations

The University reserves the right to make changes without prior notice to the information contained in this publication, including the revision or cancellation of particular courses or programs.

At the time this publication was finalized, new courses and modifications to some existing courses were under consideration. Students preparing to register are advised to consult Class Schedule on the web at [www.mcgill.ca/students/courses](http://www.mcgill.ca/students/courses) for the most up-to-date information on courses to be offered.

Not all courses listed are offered every year.



**Note for Graduate Studies:** Students are advised to also refer to [University Regulations & Resources](#) > Graduate > Regulations > [section 1.1.3: Registration](#) and [section 1.1.8: Student Records](#).



**Note for Health Sciences:** For information, you should refer to your Faculty/School section in this publication.



**Note for Summer Studies:** Refer to : [Student Types and Registration Procedures](#) and : [Student Records](#) for further information.

#### 1.1.4.1 Class Schedule

[Class Schedule](#) for the upcoming Fall and Winter terms normally becomes available in March prior to the opening of advising. The Summer term schedule is normally published in early February. Class Schedule includes the days and times when courses are offered, class locations, names of instructors, and related information. You can also access the details of scheduled courses by clicking the course reference number (CRN) that appears with each course section shown in Class Schedule.

You should make a note of any preregistration requirements for a course, such as placement tests or departmental approval/permission required.

Class Schedule information is subject to change and is updated as courses are added, cancelled, rescheduled, or relocated. It is your responsibility to consult Class Schedule at the time of registration, and again before classes begin, to ensure that changes in the schedule have not caused conflicts in your schedule.

Once you have selected some courses from the Class Schedule, try [Visual Schedule Builder](#) (VSB) to view your possible class schedules in an easy-to-read weekly schedule format. Please note that you cannot use Visual Schedule Builder to register but you can copy your choice of course reference numbers (CRNs) from VSB to have handy for registration in Minerva.

Please note that the last day of classes in a term varies according to a course's schedule pattern (e.g., Mon-Wed-Fri, Tues-Thurs, Monday only, etc.). You may verify these details at [www.mcgill.ca/importantdates/key-dates](http://www.mcgill.ca/importantdates/key-dates).



**Note for Health Sciences:** For information, you should refer to your Faculty/School section in this publication.



**Note for Medicine:** This section is not applicable to M.D.,C.M. students; see [www.mcgill.ca/ugme](http://www.mcgill.ca/ugme).

#### 1.1.4.2 Course Numbering

Each McGill course is assigned a unique seven-character course “number.”

**The first four characters (Subject Code)** refer to the unit offering the course.

These codes were implemented in September 2002, replacing the three-number Teaching Unit Codes previously used. A complete list of Teaching Unit Codes and their Subject Code equivalents can be found at [www.mcgill.ca/student-records/transcripts/key](http://www.mcgill.ca/student-records/transcripts/key) in the section *Cross-walk of current subject codes to pre-2002 course numbers*.

**The three numbers following the Subject Code** refer to the course itself, with the first of these indicating the level of the course.

- Courses numbered at the 100, 200, 300, and 400 levels are intended for undergraduate students. In most programs, courses at the 300 and 400 levels are normally taken in the student’s last two years.
- Courses at the 500 level are intended for qualified senior undergraduate students but are also open to graduate students.
- Courses at the 600 and 700 levels are intended for graduate students only.

**Two additional characters (D1, D2, N1, N2, J1, J2, J3) at the end of the seven-character course number identifies multi-term courses.**

#### 1.1.4.3 Multi-term Courses

Most courses at McGill are single term (Fall or Winter or Summer) courses with final grades issued and any credits earned recorded at the end of that term. Single term courses are identified by a seven-character course number.

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#### **1.1.4.4 Course Terminology**

**Prerequisite:** Course A is prerequisite to course B if a satisfactory pass in course A is required for admission to course B.

**Corequisite:** Course A is corequisite to course B if course A must be taken concurrently with (or may have been taken prior to) course B.

**Credits:**

- Deadline for University withdrawal without refund: **Tuesday, October 30, 2018**

#### **1.1.5.2.2 Winter Term**

From January 1 to January 22, 2019 a drop of all courses constitutes a University withdrawal with refund (minus \$200 for returning students and the registration deposit for new students). After January 23 and until the deadlines indicated below, you may withdraw from all courses to effect a University withdrawal.

- Deadline for University withdrawal with refund (minus \$200 for returning students and the registration deposit for new students): **Tuesday, January 29, 2019**
- Deadline for University withdrawal without refund: **Tuesday, Mar34.377 708.463 ne**

Many summer courses have limited enrolment and students are advised to register for such courses as early as possible. Graduate students intending to register for restricted undergraduate courses must complete a *Request for Registration/Course Changes* web form available at [www.mcgill.ca/student-records/forms](http://www.mcgill.ca/student-records/forms), and the course will be added by Enrolment Services if there is space available.

Please consult the Class Schedule for specific information on course dates and times, available at [www.mcgill.ca/students/courses](http://www.mcgill.ca/students/courses).

## 1.1.7 Program Requirements

### 1.1.7.1 Master's Degrees

#### Residence Requirements – Master's Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are **not** permitted to graduate until they have fulfilled the residence requirement (and paid the corresponding fees) in their program.

- The following master's programs have a **minimum** residence requirement of **three full-time terms**: M.Arch., M.A., M.Eng., LL.M., M.Mus. (**except** M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (**except** M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a **minimum** residence requirement of **four full-time terms**: M.I.St.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Information Studies (M.I.St.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs, is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project, or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for additional terms as needed to complete the program.

#### Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies *eCalendar*.

The minimum credit requirement for any thesis or non-thesis master's degree at McGill is 45 credits.

Non-thesis degrees normally specify the course program which the candidate must follow.

The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant graduate level courses passed at any recognized university or at McGill.

The candidate is required to pass, with a grade of B- or better, all those courses that have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

As a rule, no more than one-third of the formal coursework (excluding thesis, project, stage, or internship) of a McGill master's degree can be credited with courses from another university or degree (for example, courses taken before admission to the McGill degree, or courses taken through the IUT agreement during the McGill degree, if permitted).

Normally, if courses completed elsewhere or at McGill prior to admission to the McGill master's degree were not used to complete a degree, they could be credited toward the McGill de

Many master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the e

### **1.1.7.3 Ad Personam Programs (Thesis Option Only)**

In very rare circumstances, an applicant who wishes to engage in Master's (thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Government of Quebec to offer its own graduate programs, may be admitted to an *Ad Personam* program. er





**Note for Graduate and Postdoctoral Studies:** If you change levels, e.g., from master's to doctoral, the CGPA starts again.

This policy took effect in January 2003. For students with academic information prior to Fall 2002, who are registered in a different program or in a different level post-Fall 2002, the transcript displays a special message regarding the CGPA restarting.

If you repeat courses, all results are included in the GPA calculation. Therefore, grades of F or J continue to be used in the CGPA calculation even after you repeat the course or if you take a supplemental examination.

#### **Other Grades:**

**IP — in progress;** (Master's Thesis Courses Only)

**P — pass;** Pass/Fail grading is restricted to certain seminars, examinations and projects only. In such cases all grades in these courses are recorded as either Pass or Fail. Not calculated in TGPA or CGPA.

**HH — to be continued;** the use of this grade is reserved for major research projects, monographs and comprehensive examinations as designated for graduate studies.

**J — unexcused absence (failed);** the student is registered for a course but does not write the final examination or do other required work; calculated as a failure in the TGPA and CGPA.

**K — incomplete;** deadline e



In addition to the above, **if you are a candidate for admission to the Faculty of Medicine or to the Faculty of Dentistry in undergraduate, graduate, or postgraduate studies, you would be asked to consent to** the release of Personal Information to other schools of medicine; to the Employment Centre of Human Resources Development of Canada and Québec; to a McGill professor, researcher or graduate student, strictly for research or teaching purposes; and to a University teaching/affiliated hospital or health center to which you apply/or join for residency or rotations.

In addition to the above, **if you are a candidate for admission to the Schulich School of Music, you would be asked to consent to** the use of your name and images in public recognition of academic achievement and in the advertising and audio and video recording of student ensemble concerts for distribution using different media and formats.

At the time of application, you would be asked to **authorize the University** to:

- collect and maintain your Personal Information for the purpose of administering your University admissions and student record files;
- obtain copies of your transcripts from the *Ministère de l'Éducation et de l'Enseignement supérieur*; the *Ministère de l'Éducation, du Loisir et du Sport*; the Ontario University Application Centre and/or the British Columbia Ministry of Education;
- make inquiries to and obtain Personal Information from the *Ministère de l'Immigration, de la Diversité et de l'Inclusion*, Citizenship and Immigration Canada and/or the *Régie de l'assurance-maladie du Québec* to verify the validity of your immigration or health insurance status;
- validate with the *Ministère de l'Éducation et de l'Enseignement supérieur* information regarding your citizenship and previous institution attended, if necessary and as required in order to manage the admissions process and to determine your tuition fees;
- verify anv



**Note for Graduate and Postdoctoral Studies:** You should direct any questions or problems with your record to your Graduate Program Director.

#### 1.1.8.2.4 Official Transcripts

For more information on transcripts, applicable costs, delivery method, and processing time, see [www.mcgill.ca/student-records/transcripts](http://www.mcgill.ca/student-records/transcripts).

**Currently Registered Students:** Use Minerva (*Minerva*) to order an official transcript at *Student Menu > Student Records Menu > Request Printed/Official Transcript*.

**Alumni or former students who were registered or graduated as of 1972 or later:** You **must** submit your request in Minerva (*Minerva*) at *Student Menu > Student Records Menu > Request Printed/Official Transcript* and will require login credentials. Please visit the IT Knowledgebase ([www.mcgill.ca/it](http://www.mcgill.ca/it)) to view how to obtain your McGill ID & Minerva PIN.

**Alumni or former students who were registered or graduated prior to 1972 (archived records):** You must submit an online *Request for Archived Official Transcript* located at: [www.mcgill.ca/student-records/transcripts/printed-transcripts](http://www.mcgill.ca/student-records/transcripts/printed-transcripts) and will be required to provide a copy of a government-issued Photo ID.



**Note:** Proxy requests will be accepted only with written authorization.

#### 1.1.8.2.5 Course Numbering on the Transcript

Prior to September 2002, course numbers had seven-character designations beginning with a three-number code indicating the teaching unit/department. The next three digits specified the course, with the first of these indicating its level. The final character was a letter indicating the term, or terms, during which the course was offered. For example:

#### **1.1.8.4 Changes to Student Records after Normal Deadlines**

##### **1.1.8.4.1 Student Record Changes**

Student record changes include the following: course add or course drop, course withdrawal, university withdrawal, program change (including changing majors or concentrations), status change (i.e., leave of absence, exchange, or term away). They also include changes to tuition status based on the submission of legal documents.

##### **1.1.8.4.2 Registrar Deadlines**

Fall term – January 31

Winter term – June 1

Summer term – October 1

##### **1.1.8.4.3 Before Registrar Deadlines**

For record changes after the normal deadlines published in this publication, but before the [section 1.1.8.4.2: Registrar Deadlines](#), you must make a request in writing to your Associate Dean or Director, clearly explaining why you could not request the change before these dates. The Associate Dean or Director will review your request and make a decision. If your request is approved, the change is processed according to existing faculty and Enrolment Services student record procedures.

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** Requests are made at [Service Point](#) (3415 McTavish). However, it is important that you also see a faculty adviser in Dawson Hall to talk about your options and the effects that your request may ha

### 1.1.9.3 Thesis Examiners

F

### 1.1.10 Academic Integrity

Before submitting work in your courses, you must understand the meaning and consequences of plagiarism and cheating, which are serious academic offences. Inform yourself about what might be considered plagiarism in an essay or term paper by consulting the course instructor to obtain appropriate referencing guidelines. You should also consult *Fair Play*, the student guide to academic integrity available at [www.mcgill.ca/students/srr/honest](http://www.mcgill.ca/students/srr/honest). There you will also find links to instructional tutorials and strategies to prevent cheating. The *Code of Student Conduct and Disciplinary Procedures* includes sections on plagiarism and cheating. The possession or use of unauthorized materials in any test or examination constitutes cheating. You can find the *Code* in the *Handbook on Student Rights and Responsibilities* or at [www.mcgill.ca/students/srr/publications](http://www.mcgill.ca/students/srr/publications).

Responses on multiple-choice exams are normally checked by the Exam Security Computer Monitoring program. The program detects pairs of students with unusually similar answer patterns on multiple-choice exams. Data generated by this program can be used as admissible evidence in an investigation of cheating under Article 16 of the *Code of Student Conduct and Disciplinary Procedures*.

The Office of the Dean of Students administers the academic integrity process as described in the *Handbook on Student Rights and Responsibilities*.

**Note:** Effective Fall 2013, all newly-admitted undergraduate students must complete a **mandatory online academic integrity tutorial** accessed through myCourses. For more information, see [www.mcgill.ca/students/srr/honest/students/test](http://www.mcgill.ca/students/srr/honest/students/test).

Friday throughout the summer – 9:00 a.m. to 3:00 p.m.



**Note for Continuing Studies:** You must allow at least one day after you have registered before applying for your ID card. You will not be issued an ID card if you have fees owing. You may obtain your ID card at the *Client Services Office* of the School of Continuing Studies. If you withdraw from all of your courses, you must attach your ID card to the withdrawal form or return it to the Client Services Office of the School of Continuing Studies.





**Note for Continuing Studies:** Requests for such changes must be made by presenting official documents (see [section 1.1.11.2: Legal Name](#)) in person at the [Client Services Office](#), School of Continuing Studies.

#### 1.1.11.5 Updating Personal Information

It is important to keep your official records up to date, especially your mailing or billing address, because these are used by the University year round. If your address information on file is invalid, incomplete, or missing, the University will hold your mail. Once you have provided a valid address, the University will resume sending your mail.

You must update your address(es) and/or telephone number(s) and emergency contact information on Minerva ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)) under the *Personal Menu*.

If you are away from campus and do not have access to the Internet, you can request changes by writing to your Student Affairs Office or to [Service Point](#). Your written request must include your signature.

If you need to change important personal information that requires the University to verify official documents—such as a name or citizenship change, or correction of your birth date—refer to the instructions at [www.mcgill.ca/student-records/personal-information/address](http://www.mcgill.ca/student-records/personal-information/address). Macdonald campus students can request changes in person at the [Macdonald Campus Student Affairs Office](#), Laird Hall, Room 106.



**Note for Continuing Studies:** If you need to change important personal information that requires the University to verify official documents, such as a change to your name or citizenship, or a correction of your birth date, you must go in person (as soon as possible) to the School of Continuing Studies Client Services Office. Such changes can only be made in person at the School of Continuing Studies, Client Services Office, 688 Sherbrooke Street West, Room 1199.



**Note for Nursing:** Students must register a Quebec address and telephone number on Minerva to meet OIIQ registration requirements.

### 1.1.12 Submitting Legal Documents

McGill requires documentation from you to confirm your legal status. The following sections describe the documents needed for your specific situation and how you should proceed.

#### 1.1.12.1 Why Does McGill Collect Legal Documents from You?

Your tuition status at McGill will vary depending on your legal status in Canada. In order for us to determine your appropriate rate of tuition (Quebec, Canadian out-of-province, or international), we require documentation confirming your current status. We also require these documents to confirm your valid citizenship/immigration status. To find out which documents you must provide—and when they are required—refer to: [section 1.1.12.2: What Documents Does McGill Need from You?](#)

Some of the documents McGill requests of you help us obtain your **Permanent Code** from the Government of Quebec. This unique 12-character code is created by the Quebec Ministry of Education, and is obligatory for all students registered in a Quebec institution. If you have previously attended school in Quebec, you should already possess a Permanent Code; it can be found on your school report card or your CEGEP and/or university transcripts. If you do not already have a Permanent Code, we will request to have it created for you. Once it has been created, it will reflect on your unofficial transcript.

You can consult your tuition and legal status (including your Permanent Code) on Minerva ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)). Select *Student Menu > Student Accounts Menu > View your Tuition and Legal Status*.



**Note for Medicine:** Students admitted to the Faculty of Medicine will be required to provide additional documentation for the purposes of admission and registration. Details are provided in the application instructions. For more information, see [www.mcgill.ca/medadmissions/applying/elements](http://www.mcgill.ca/medadmissions/applying/elements).

#### 1.1.12.2 What Documents Does McGill Need from You?

Follow the instructions in the first row of this table that apply to you. **Send clear, legible copies of documents (not originals).**

##### Quebec and Canadian Out-of-Province Students

You have applied to McGill directly from CEGEP or you already have a student record at McGill

- **Usually** no documents are required to prove your Canadian and/or Quebec status. In most cases, your status is confirmed to us by the Government of Quebec or is already in your McGill record. Check your [Minerva](#) account to verify that your status is updated correctly (Select *Student Menu > Student Accounts Menu > View your Tuition and Legal Status*)

You have applied to McGill from another Quebec university


- Proof of Canadian status is required: Canadian birth certificate; or Canadian citizenship card or certificate (both sides); or Certificate of Indian status card; or Makivik Society card; or valid Canadian Confirmation of Permanent Residence document (*Note 2*); or valid Canadian Permanent Resident card (both sides of the card)


### Quebec and Canadian Out-of-Province Students


- Additionally, for Quebec residency status, **usually** no documents are required, unless McGill cannot confirm this from the Government of Quebec. Check your *Minerva* account to verify that your status is correct
- You were born in Quebec
- Quebec **birth certificate** (*Note 4*)
- You were born in (or are a Landed Immigrant from) a Canadian province other than Quebec
- Canadian birth certificate; or Canadian citizenship card or certificate (both sides); or Certificate of Indian status card; or Makivik Society card; or valid Canadian Confirmation of Permanent Residence document (*Note 2*); or valid Canadian Permanent Resident card (both sides of the card)
  - Permanent Code Data Form (*Notes 1 and 5*)
- You are a Quebec resident as defined by one of the other situations outlined by the Government of Quebec
- Canadian birth certificate; or Canadian citizenship card or certificate (both sides); or Certificate of Indian status card; or Makivik Society card; or valid Canadian Confirmation of Permanent Residence document (*Note 2*); or valid Canadian Permanent Resident card (both sides of the card)
  - Permanent Code Data Form (*Notes 1 and 5*)
  - Attestation of Residency in Quebec Form (*Note 5*)
  - **Other supporting documents**, depending on which situation you checked on the above Attestation of Residency Form


### International Students


- You will be studying at McGill for less than six months (i.e., for only one academic semester) as a non-degree student (e.g., Exchange, Special, Visiting)
- You may need a Visitor's Permit or *eTA* issued by Citizenship and Immigration Canada at your port of entry into Canada. To determine if you are required to have a visa, please refer to the [Citizenship and Immigration Canada](#) website.
  - Photo page of your passport
  - Permanent Code Data Form (*Notes 1 and 5*)
- You will be in Canada for more than six months (i.e., you are enrolled in a degree, certificate, or diploma program, usually for two or more consecutive academic semesters)
- Certificate of Acceptance of Quebec (CAQ)
  - Study Permit issued by Immigration Canada (*Note 3*)
  - Permanent Code Data Form (*Notes 1 and 5*)

 **Note 1:** Your signed Permanent Code Data Form is usually required. If the names of your parents appear on your birth certificate, if you have clearly identified your parents' names on your application to McGill, or if you have already provided McGill with your Permanent Code, you do not need to supply this form.

 **Note 2:** Your valid Canadian Permanent Resident status can be proved by a copy of your Canadian Confirmation of Permanent Residence (IMM 5292 or IMM 5688) document or with your Canadian Permanent Resident card (both sides). Alternatively, you may provide your Immigration Record of Landing (IMM 1000) document. Note that McGill reserves the right to ask you for copies of both your PR card and your IMM document.

 **Note 3:** If you are a refugee, your Convention Refugee status document is required instead of a Study Permit.

 **Note 4:** Usually McGill needs your birth certificate to prove your place of birth in Quebec. If you already have a valid Quebec Permanent Code, McGill will accept a copy of your valid Canadian passport that indicates your birth place as being within the province of Quebec, as proof that you are eligible for Quebec residency.

 **Note 5:** You can find links to download and print the Permanent Code Data and Attestation of Quebec Residency forms at [www.mcgill.ca/legaldocuments/forms](http://www.mcgill.ca/legaldocuments/forms).

#### 1.1.12.2.1 Fee Exemptions

Exemption from the out-of-province or international supplement tuition fees is possible for students in any of the following three categories, as authorized by the Government of Quebec:

1. **French Course Fee Exemptions** – Non-Quebec Canadian and international students are automatically assessed fees for certain eligible French courses at the Quebec tuition rate (note exclusions as listed at [www.mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions](http://www.mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions)).
2. **Out-of-province Tuition Supplement Exemptions** – Non-Quebec Canadian students in the following categories are exempted from out-of-province tuition supplements (details at [www.mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions](http://www.mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions)):
  - Students in a Ph.D. program
  - Students in a Post-Graduate Medical Education program: Medical Residents, Clinical Fellows, Clinical Research Fellows, Research Fellows
  - Students registered full-time in the Masters in French (*Maîtrise en français*). The exemption begins at the moment the student registers in the program, without retroactive effect.
3. **International Students Eligible for Fee Exemptions Based on Legal Status in Canada** – Students with one of the following statuses may be exempt from International Supplements (certain categories may be assessed at the Canadian tuition rate; full details regarding eligibility criteria are listed at [www.mcgill.ca/legaldocuments/exemption](http://www.mcgill.ca/legaldocuments/exemption)):
  - Citizens of France
  - Citizens of certain countries with an agreement with the Government of Quebec
  - Diplomatic, consular or other representatives of international organizations
  - Convention refugees
  - Students awaiting permanent residency in Canada and holding an eligible CSQ
  - Students whose spouse or unmarried students whose parent holds a Temporary Work Permit in Canada
  - Students funded by the FRSQ (*Fonds de la recherche en santé du Québec*)

These exemptions lower your fees to the Quebec rate of tuition. More detailed information for the categories listed above are available at [www.mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions](http://www.mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions) as well as at [www.mcgill.ca/legaldocuments/exemption](http://www.mcgill.ca/legaldocuments/exemption).

Note that this information may be subject to change.

### 1.1.12.3 Has McGill Received Your Documents?

#### 1.1.12.3.1 Quebec/Canadian/International Fees and Immigration Status

Once McGill has received your documents, it usually takes 5 to 10 business days to process them and update your status accordingly.

- Check your tuition status on the Minerva ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)) Student Accounts menu: *Student Menu > Student Accounts Menu > View Tuition Fee and Legal Status*.



**Note:** Ensure that you select the correct term when viewing your status.

- Check the phrase: *Fees currently calculated according to rules for...* This will tell you if your tuition status is currently being billed at the international rate, the Canadian rate, or at the Quebec rate. For information on fees, see [www.mcgill.ca/student-accounts](http://www.mcgill.ca/student-accounts).

**If you do not agree with your tuition status, notify McGill right away. Documentation provided to modify your legal and tuition status must be received within the given semester for changes to be applied for that semester. Retroactive tuition status updates are not permitted; requests and documents submitted after the semester has ended will be processed, with changes applied to the following semester.**

#### Permanent Code

**By Email:**

Follow these steps to submit your legal documents electronically.

**1. Save the attached file in an accepted format.**

Standard PDF (.pdf) – encrypted PDFs will not be accepted.

Ensure that you save your documents properly in one of the above formats—do not just rename the file extension. Due to the possibility of computer

### 1.1.13.1 Apply to Graduate

**Most undergraduate students and non-thesis graduate students (master's, certificates, diplomas) must use Minerva ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)) to apply to graduate** (go to *Student Records > Apply for Graduation for Your Primary Curriculum*). It is your responsibility to inform McGill of your intention to graduate. You need a minimum residency requirement of 60 credits at McGill to qualify for a McGill undergraduate degree. For more information, see [section 1.1.13: Graduation](#). The minimum CGPA required to graduate is 2.00, and you must be in Satisfactory Standing.

The Application for Graduation is available on Minerva when you register for your final year (e.g., U3 or U4), except if you are in the Faculty of Medicine or Faculty of Dentistry, where you are automatically flagged for graduation in your final year. For more information on how to apply on Minerva, go to [www.mcgill.ca/graduation/applying](http://www.mcgill.ca/graduation/applying).

Once you apply to graduate, you are authorizing the University to include your name in the Convocation program and send your name and email to the academic regalia supplier. If you want your name to be omitted from this publication or submitted to the regalia supplier, you must complete an [Opposition Form](#) by March 15 for Spring convocation, and September 15 for Fall convocation.

#### 1.1.13.1.1 Deadlines

- **Fall term graduation** (courses completed in December; transcript will indicate “Degree Granted” in February; Spring convocation): You must apply on Minerva by the end of November.
- **Winter term graduation** (courses completed in April; transcript will indicate “Degree Granted” in May; Spring convocation): You must apply on Minerva by the end of February.
- **Summer term graduation** (courses completed by August; transcript will indicate “Degree Granted” in October; Fall convocation): You must apply on Minerva by the end of March.

If you miss one of these deadlines, contact your Faculty Student Affairs Office immediately.

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** Requests are made at [Service Point](#) (3415 McTavish Street). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may ha

### 1.1.13.3.2 Submitting your request

There are two ways to submit a request:

1. Via *Service Point Checkout eStore* – Follow the instructions found at [www.mcgill.ca/graduation/diplomas](http://www.mcgill.ca/graduation/diplomas) first, then to submit the order go to [spcheckout.mcgill.ca](http://spcheckout.mcgill.ca).
2. Come to *Service Point* in person with the required documents. You must pay the replacement fee of CAD\$120 per diploma copy (includes trackable mail delivery). Payment is accepted by **debit card only**. If you choose this option, please allow for appropriate delays in diploma printing and mailing time.



**Note:** Requests made on behalf of a student must be accompanied by a signed letter of authorization from the student.

### 1.1.13.3.3 Certified Copies

Enrolment Services will certify copies of your diploma in the original language or issue certified translations in English (from the original Latin) or French (from the original in English or Latin).

#### Submitting your request for a certified copy

There are two ways to submit a request:

1. Via *Service Point Checkout eStore* – Follow the instructions found at [www.mcgill.ca/graduation/diplomas](http://www.mcgill.ca/graduation/diplomas) first, then to submit the order go to [spcheckout.mcgill.ca](http://spcheckout.mcgill.ca).
2. In person:
  - Come to *Service Point* with a photocopy of your original diploma on 8.5" x 11" paper in landscape mode, making certain to reduce it so that all seals and signatures are visible, and indicate how many copies you need;
  - Indicate if you require certified translations, and if yes, in what language (i.e., English or French);
  - Pay the CAD\$15 per copy fee payable via **debit card only**.



**Note:** Requests made on behalf of a student must be accompanied by a signed letter of authorization from the student.

### 1.1.13.4 Aegrotat Standing and Degree at McGill University

Aegrotat standing is awarded in rare cases where a student, based on serious medical or similar evidence, is unable to complete course requirements within a reasonable time, or at all.

At McGill, this designation is currently applied toward the end of a student's degree program resulting in the awarding of an aegrotat degree. An aegrotat indicator of 'Y' at graduation signifies that a student was awarded such a degree. An aegrotat degree is awarded only to students in good standing who have been unable to complete their degree due to special circumstances. Information on this degree designation is included only in the convocation program, and not on the transcript.

Aegrotat standing is rarely granted at McGill University. A formal request must be submitted to the Dean of the faculty in which the student is registered during the graduating year. The approval of the Dean and the Deputy Provost, Student Life and Learning, is necessary to grant this status.

## 1.1.14 Information Technology (IT) Resources

McGill University offers a variety of Information Technology resources open to students, faculty, staff, and other members of the McGill community. Please see [section 1.9: Information Technology \(IT\) Services](#) and visit [IT Services > Getting Started > Students](#) for further details.

### 1.1.14.1 Responsible Use of McGill Information Technology Resources

When using all McGill IT services, whether hosted on premises, by an external supplier, or in the cloud, you must comply with the *Policy on the Responsible Use of McGill Information Technology Resources*. You can find this policy in the listing of *University Policies, Procedures and Guidelines* under *Information Technology*, at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations).



**Note for M.D., C.M. and D.M.D. Programs:** For guidelines regarding the use of social media by M.D., C.M. and D.M.D. students, see [www.mcgill.ca/ugme/academic-policies/guidelines-social-media](http://www.mcgill.ca/ugme/academic-policies/guidelines-social-media) and [www.mcgill.ca/thewelloffice](http://www.mcgill.ca/thewelloffice).

### 1.1.14.2 Use of Cloud Services

Your usage of cloud services, whether provided by McGill or self-acquired as a consumer service, must respect the *Cloud Data Directive*. The *Cloud Data Directive* is also available at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations).

### 1.1.14.3 Email Communication

All students are assigned a McGill Email Address (usually in the form of *firstname.lastname@mail.mcgill.ca*) and are given a McGill email mailbox. You can view your McGill Email Address and set your McGill Password on Minerva ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)), under the *Personal Menu*.

Email sent to your McGill Email Address is an official means of communication between McGill University and its students. As with all official University communications, it is your responsibility to ensure you read and act upon University emails in a timely fashion. If you have another email account using an external service provider (such as Gmail, Hotmail, Yahoo, etc.), please see the [Options for dealing with multiple email services](#) Knowledge Base article and choose the most appropriate method for accessing your McGill email conveniently.

You should read and familiarize yourself with the policies on *Responsible Use of McGill Information Technology Resources* and *Email Communications with Students*, found under *Information Technology* on the University Secretariat website at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations). For more information on email for students, refer to [www.mcgill.ca/it](http://www.mcgill.ca/it).



**Note for Continuing Studies:** The above services are not available if you are registered in short courses or seminars not recorded on the official McGill transcript.

### 1.1.14.4 Minerva

Minerva is McGill's web-based information system serving applicants, students, staff, and faculty. To access Minerva, go to [www.mcgill.ca/minerva](http://www.mcgill.ca/minerva) and log in. Once logged in, you can:

- Apply to McGill and view your application status
- View class schedules, including course descriptions and spaces available in course sections
- Register and make course changes
- Change your major or minor program (not all faculties)
- View your unofficial transcript and degree evaluation reports
- View your McGill login information to access the Internet and email
- View your Permanent Code, citizenship, and Quebec residency status and fee information
- Update personal information such as address, telephone number, and emergency contacts
- Update your preferred first name
- Submit an online course evaluation
- Submit an application to participate in an exchange program (not all faculties)
- Apply to graduate
- View graduation status and convocation details
- Order official transcripts
- Retrieve tax receipts
-

To access myMcGill, click *Quick Links* , available at the top of any McGill web page, and then click myMcGill, or go to <https://mymcgill.mcgill.ca> . Sign in with your McGill Username and McGill Password.

### **1.1.15 Student Health & Insurance**

Learn more about health insurance, your requirements as a student, and services offered for special medical needs in the following sections.

#### **Health Professions – Imm**



If you are a Canadian student from **outside Quebec**, you should check with your provincial Medicare office to ensure that you have valid provincial health coverage while studying at McGill.

**Canadians who have been residing outside of Canada**

If you are a Canadian student who has been living abroad, you may not be eligible for provincial health insurance coverage. To verify your *eligibility* for the Quebec provincial health plan, contact:

*Régie de l'assurance maladie du Québec (RAMQ)*  
425 Boulevard de Maisonneuve O., Suite 301  
Montreal QC H3A 3G5  
Telephone: 514-864-3411  
Website: [www.ramq.gouv.qc.ca/en/pages/home.aspx](http://www.ramq.gouv.qc.ca/en/pages/home.aspx)

**Important:** If you are not eligible, in order to ensure adequate health insurance coverage you may enrol in the *group plan* offered through International Student Services for international students. **Please note that this option is available only during the first month of each new semester at McGill.**

**Note for Continuing Studies:**

Wishing to provide an environment in which you may be able to continue in your program of study and fulfil your university commitments when faced with exceptional circumstances related to particular family commitments, these guidelines aim to set out how, and in what exceptional circumstances, you may request academic accommodation.

You can consult the guidelines at [www.mcgill.ca/students/srr/policies-student-rights-and-responsibilities](http://www.mcgill.ca/students/srr/policies-student-rights-and-responsibilities).

## **1.2.2 Failure Policy**

### **Purpose**

This policy specifies conditions under which graduate students will be withdrawn from the Univ



**IMPORTANT:** The student will receive a copy of their academic unit's (department's) web form submission *as the official notification of their first failure.*

**In the event of a second failure** (including failure of a supplemental exam or an unsatisfactory Progress Tracking Report):

- The second failing grade must be recorded on the student's record (if a course or supplemental exam);
- After the academic unit (department) has met with the student regarding their unsatisfactory status, they must complete the web form [Withdrawal Recommendation following a Second Failure](#) to recommend to Management of Academic Records Unit, Enrolment Services that the student must be withdrawn from their program;
- Upon receipt of the Graduate Program Director's recommendation, Enrolment Services will send the student an official withdrawal letter and change the status to Withdrawn on the student's academic record.

**Requesting an appeal in case of withdrawal due to failure:**

A student withdrawn due to failure has 30 days to appeal this decision. It is the student's responsibility to present evidence of their case and provide any supporting documentation, including letters of support from their thesis supervisor and Graduate Program Director. The appeal and any supporting documents will be reviewed by the Associate Dean, Graduate and Postdoctoral Studies, and the student will be notified of the decision. That decision will be **final**. Students should be aware that appeals are rarely awarded, and only under truly exceptional circumstances.

A student who wishes to submit an appeal must:

- Prepare a detailed letter indicating the reasons for the appeal (addressed to the Graduate Associate Dean);
- Obtain any supporting documents (addressed to the Graduate Associate Dean);
- Submit the letter, together with all supporting documents, to the attention of Heidi Emami, Associate Registrar, Enrolment Services, 3415 McTavish, **before** the end of this 30-day period.



**Note:** A student in a graduate program who has failed one course while being a Special Student in graduate studies will have this failure count as a first failure in a related graduate program. Any further failure will require withdrawal from the program of study. A student may not claim medical reasons for a course failure after the fact. In the case of an examination, a dated medical certificate or appropriate document recommending a deferral (see "Other Grades" in [section 1.1.8.1: Grading and Grade Point Averages \(GPA\)](#)) > "L - deferred" and "LE or L\* - further deferral") must be submitted to Graduate and Postdoctoral Studies with a recommendation from the academic unit (department) for a deferral **before or immediately after** the examination. In particular, such recommendation will not be considered if medical reasons are brought forth after a grade is submitted. Medical reasons declared after the fact will not be considered acceptable grounds of appeal of withdrawal under the *Failure Policy*.

2.9. The Graduate Program Director must review and sign all Progress Tracking Reports. If the Graduate Program Director is the supervisor, then the Chair will sign.

*Senate, Sept. 2003; Revised Sept. 2014, Sept. 2015, and March 2016.*

#### **1.2.4 Graduate Student Supervision**

##### **1. Principles**

- 1.1. Supervision is a recognized aspect of the academic duty of teaching.
- 1.2. Supervision involves responsibilities on the part of both the supervisor and supervisee.

##### **2. Supervisors and Supervisory Committees**

- 2.1. Although procedures and timeframes for choosing supervisors and supervisory committees may vary across programs, they must be consistent within a particular program and must be made clear to students. Units should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.
- 2.2. Graduate supervision is recognized as an integral part of the academic responsibility of professors in academic units where supervision is the normal practice, and must be considered in the allocation of workload, as should the teaching of graduate courses.
- 2.3. Thesis supervisors must be chosen from full-time tenure-track or tenured academic staff, or ranked contract academic staff who have research as part of their duties. Supervisors should have competence in the student's proposed area of research. When thesis supervisors retire or resign from the University, they cannot act as sole supervisors but may serve as co-supervisors, with the unit's and GPS's consent.
- 2.4. Emeritus Professors may not act as sole supervisors but may serve as co-supervisors, with the unit's and GPS'

### III. Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so.

Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. An essay/paper, assignment, or lab report must account for more than 20% of the course grade to be eligible for a reread.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate their intention to request a reread by writing to [Graduate and Postdoctoral Studies](#) within 5 working days of receiving the graded work. This intention must be confirmed within 30 days of the posting of the final marks for the course.



**Note:** Material that has been returned to a student **cannot be reread** unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together. Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.

2. The request for a formal reread must be made by the student in writing to [Graduate and Postdoctoral Studies](#) and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee will be charged directly to the student's fee account after the result of the reread is received; this will be reimbursed if there is an upwards change in the letter grade for the course. The reread fee amount and other details can be found on the [Student Accounts website](#).
3. a) Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. Graduate and Postdoctoral Studies will contact the department to obtain the course syllabus, the work to be reread, a list of potential readers, and details of the marking. **The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Graduate Program Director must, as well, vouch for the impartiality of these readers.** All communication with the second reader is conducted by Graduate and Postdoctoral Studies.  
b) The second reader is given the course syllabus, the original assignment with marginalia, corrections, summary comments, and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.
4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirements of the [Charter of Students' Rights](#) (available at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations)) that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.
5. a) The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become **higher or lower or remain unchanged**. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

b) In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the



**Note for Continuing Studies:** For English language programs, see [Continuing Studies](#) > [Areas of Study](#) > [Languages](#) > : [English Language Programs](#).



**Note for the Faculty of Law:** Due to the bilingual nature of the Law program, examinations, term papers, and essays may be written in either English or French. Participation in Moot Courts may also be in either language. While examination questions are set in the language in which a course is given, they may contain materials in either English or French.

**Note for Graduate and Postdoctoral Studies:** You should refer to [University Regulations & Resources](#) > [Graduate](#) > [Regulations](#) > [Registration](#) >

**Leave vs. Residency Requirements**

A leave in a residency term may be requested; however, upon return and re-registration in the program, it is the student's responsibility to ensure that the missing residency requirements are completed. A leave indicates a break in the program.

For more information on residency requirements refer to the [section 2.5: Program Requirements](#) page, which appears under each faculty or school's graduate

The format of the comprehensive must be consistent for all students within a given program. The following list gives some of the more common formats, which are often combined:

- written examination
- take-home examination
- extended research paper(s)
- written research proposal
- oral examination (which may include or consist of a defence of a research paper or research proposal)

### **Timing**

Units must clearly specify when the comprehensive must be taken and how this fits into the program milestones, e.g., whether all coursework must have been completed prior to undertaking the comprehensive and/or whether the comprehensive is the final step before thesis research and writing.

Scheduling of the comprehensive must be specified by the unit and must be completed in PhD3. Students must be informed of the date of the exam with sufficient time to prepare for it.

### **Assessment**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, it must be made clear how the committee is appointed and who sits on it, and how the evaluation is to be carried out (consensus or vote).

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, it must be clearly specified whether each component counts equally, whether the assessment is global, and whether failure of one part of the comprehensive examination (or of one question) results in an overall failure.

All Ph.D. comprehensives must be represented by an administrative course number, usually XXXX 701. Grading of this course can be Pass/Fail or letter grades can be assigned: the same form of grading must be applied to all students in a program. A passing grade is required for students to continue in the program.

### **Feedback**

The assessment and reasons for the decision, including identifying specific strengths and weaknesses, must be documented and provided to the student in sufficient detail to allow the student to understand the decision.

In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc. To help ensure that assessments can be put in context, units may choose to make a record of the examination (including audio or video recording) and/or to have a neutral observer, chair, or outside committee member, or to make the oral open to members of the academic unit.

### **Failures**

In the event that the student is judged to have failed the comprehensive, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part) within a minimum of four (4) months and a maximum of six (6) months. After the first failure, a grade of HH (which designates "continuing") will be recorded on the student's transcript. The student must be informed in writing by the department that he/she has failed the comprehensive and must be permitted to reseek the



Candidates for doctoral degrees must complete the degree by the end of PhD7. Please note that students admitted after a master's degree are normally considered to be PhD2 and not PhD1 (direct entry). Students should contact their [Graduate Program Coordinator/Administrator](#) to confirm the number of years in which they must complete the degree.

The object of these regulations is to encourage candidates to complete their theses and qualify for their degree without undue delay.

Students who do not complete their degree requirements within the time limits stated above will be withdrawn from the University and will lose their student status and access to McGill facilities and support. International students on study permits will also be required to leave Canada.

Students can apply for readmission by completing and submitting the [Request for Readmission webform](#) only when they are ready to submit their thesis and will be charged fees for the term of readmission and any future terms of registration up to and including their term of graduation.

The new measures will apply to all students, including those who have reached time limitation prior to Fall 2016.

*Council of FGSR, February 2, 1996; Revised January 18, 2016.*

*Senate, April 20, 2016.*

### **1.2.12 University Student Assessment Policy**

The *University Student Assessment Policy* includes all disparate policies with regard to all types of student assessments. This policy is meant to protect students from excessive workloads, and to ensure that all students are treated equally.

This policy applies to undergraduate and graduate courses offered by the University that are evaluated by any form of assessment. Except where otherwise indicated, this policy applies to all faculties, including those which administer their own e

**Faculty of Arts**

**Degrees Available**

*section 3.11.12: International Development*

N/A

M.A., Ph.D.

**Faculty of Medicine****Degrees Available***section 10.11.3: Bioethics*

N/A

*section 6.11.3: Biological and Biomedical Engineering*

M.Eng., Ph.D.

*section 10.11.5: Biomedical Engineering*

Graduate Certificate

*section 10.11.6: Communication Sciences and Disorders*

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

*section 10.11.7: Epidemiology and Biostatistics*

M.Sc., Ph.D.

*section 10.11.10: Human Genetics*

M.Sc., Ph.D.

*section 10.11.11: Medical Physics*

M.Sc., Graduate Diploma

*section 10.11.12: Medicine, Experimental*

M.Sc., Ph.D., Graduate Diploma

*section 10.11.13: Medicine, Family*M.Sc., Ph.D. (*Ad Hoc*)*section 10.11.1godlc.13*

M.Sc., Ph.D.

Degree		Prerequisites
Master of Architecture	M.Arch.	Professional degree – McGill B.Sc.(Arch.) degree, or equivalent. Post-professional degree – an M.Arch. (professional degree) or equivalent professional degree.
Master of Arts	M.A.	Bachelor of Arts in the subject selected for graduate work. See appropriate unit.
Master of Business Administration	M.B.A.	An undergraduate degree from an approved university. See <a href="#">section 9.12: M.B.A. Program</a> .
Master of Business Administration with integrated Bachelor of Civil Law / Bachelor of Laws	M.B.A. with B.C.L./LL.B.	See <a href="#">section 9.12: M.B.A. Program</a> .
Master of Business Administration with Doctor of Medicine / Master of Surgery	M.B.A. with M.D.,C.M.	See <a href="#">section 9.12: M.B.A. Program</a> .
Master of Education	M.Ed.	Bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.
Master of Engineering	M.Eng.	Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.
Master of Information Studies	M.I.St.	At least a bachelor's degree from a recognized university. See <a href="#">section 3.11.11.3: Information Studies Admission Requirements and Application Procedures</a> .
Master of Laws	LL.M.	An acceptable degree in Law or equivalent qualifications. See <a href="#">section 8.11.1.3: Law Admission Requirements and Application Procedures</a> .
Master of Management	M.M.	See <a href="#">section 9.13: Master of Management Programs Admission Requirements and Application Procedures</a> .
Master of Music	M.Mus.	Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. Applicants to the Performance program are required to pass auditions in their speciality. See <a href="#">section 11.11.1: Schulich School of Music</a> .
Master of Sacred Theology	S.T.M.	B.A. with specialization in religious studies or theology. See <a href="#">section 3.11.23.3: Religious Studies Admission Requirements and Application Procedures</a> .
Master of Science	M.Sc.	Bachelor of Science in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied	M.Sc.A.	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Social Work	M.S.W.	Bachelor's degree in Social Work including courses in statistics and social science research methods. See <a href="#">section 3.11.25.3: Social Work Admission Requirements and Application Procedures</a> .
Master of Social Work with Bachelor of Civil Law and Bachelor of Laws	M.S.W. with B.C.L./LL.B.	See <a href="#">section 3.11.25.3: Social Work Admission Requirements and Application Procedures</a> .
Master of Urban Planning	M.U.P.	Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology, or Urban Planning, with adequate knowledge of quantitative techniques. See <a href="#">section 6.11.9.3: Urban Planning Admission Requirements and Application Procedures</a> .

### 1.3.2.1 Master's Degree Programs and Specializations

The following list shows all of the programs and options available for each degree at McGill.

Program	Thesis/Non-Thesis	Options
<b>Master of Architecture (M.Arch.)</b>		
Professional	Non-Thesis	Design Studio, Design Studio – Directed Research
Post-professional	Non-Thesis	Architectural History and Theory, Urban Design and Housing
<b>Master of Arts (M.A.)</b>		
Anthropology	Thesis	Development Studies, Environment, Gender and Women's Studies
Art History	Thesis	Gender and Women's Studies
Classics	Thesis, Non-Thesis	N/A
Communication Studies	Thesis, Non-Thesis	Gender and Women's Studies (Thesis)
Counselling Psychology	Non-Thesis (Professional Internship), Non-Thesis (Project)	N/A
East Asian Studies	Thesis ( <i>Ad Hoc</i> )	N/A
Economics	Thesis, Non-Thesis	Development Studies, Population Dynamics, Social Statistics (Non-Thesis)
Educational Psychology	Thesis	Health Professions Education, Human Development, Learning Sciences, School/Applied Child Psychology
Education and Society	Thesis, Non-Thesis	Gender and Women's Studies, Mathematics and Science Education (Thesis) Course Work, Course Work Math & Science Education, Gender and Women's Studies, Jewish Education, Project Math & Science Education (Non-Thesis)
Educational Leadership	Thesis, Non-Thesis (Coursework), Non-Thesis (Project)	Gender and Women's Studies (Thesis) Gender and Women's Studies (Non-Thesis (Project))
English	Thesis, Non-Thesis	N/A
French Language and Literature	Thesis, Non-Thesis	Gender and Women's Studies (Thesis)
Geography	Thesis	Development Studies, Environment, Gender and Women's Studies, Neotropical Environment
German	Thesis, Non-Thesis	N/A
Hispanic Studies	Thesis, Non-Thesis	N/A
History	Thesis, Non-Thesis	Development Studies, European Studies, Gender and Women's Studies (Thesis) Development Studies, European Studies, Gender and Women's Studies (Non-Thesis)
History of Medicine	Non-Thesis	N/A
Islamic Studies	Thesis	Gender and Women's Studies
Italian	Thesis, Non-Thesis	N/A
Jewish Studies	Thesis, Non-Thesis	N/A
Kinesiology and Physical Education	Thesis, Non-Thesis	N/A
Languages, Literatures and Cultures	Thesis ( <i>Ad Hoc</i> )	Digital Humanities
Linguistics	Non-Thesis	N/A
Mathematics and Statistics	Thesis, Non-Thesis	N/A
Medical Anthropology	Thesis	N/A
Music – Music Education	Thesis, Non-Thesis	N/A
Music – Music Technology	Thesis	N/A
Music – Musicology	Thesis, Non-Thesis	Gender and Women's Studies (Thesis)
Music – Theory	Thesis, Non-Thesis	Gender and Women's Studies (Thesis)
Music Theory	Thesis, Non-Thesis	

**Master of Arts (M.A.)**

Philosophy	Thesis	Bioethics
Political Science	Thesis, Non-Thesis	Development Studies, European Studies (Thesis) Development Studies, European Studies, Gender and Women's Studies, Social Statistics (Non-Thesis)
Psychology	Thesis	N/A
Religious Studies	Thesis, Non-Thesis	Bioethics, Gender and Women's Studies (Thesis)
Russian	Thesis	N/A
School/Applied Child Psychology	Non-Thesis	N/A
Second Language Education	Thesis, Non-Thesis	Gender and Women's Studies (Thesis)
Sociology	Thesis, Non-Thesis	Development Studies, Gender and Women's Studies, Medical Sociology (Thesis) Development Studies, Gender and Women's Studies, Medical Sociology, Population Dynamics (Non-Thesis)
Teaching and Learning	Non-Thesis	English or French Second Language, English Language Arts, Mathematics, Science and Technology, Social Sciences

**Master of Business Administration and Management Degrees (M.B.A., M.M.)**

M.B.A.	Non-Thesis	Business Analytics, Finance, General Management, Global Strategy and Leadership, Marketing, Technology and Innovation
M.B.A. with B.C.L. and LL.B.	Non-Thesis	Finance & Law, General Management & Law, Global Strategy and Leadership & Law, Marketing & Law, Technology and Innovation Management & Law
M.B.A. & M.D.,C.M.	Non-Thesis	Management & Medicine
M.B.A./Japan	Non-Thesis	Finance, General Management, Global Strategy and Leadership, Marketing, Technology and Innovation
E.M.B.A.	Non-Thesis	N/A
M.M.	Non-Thesis	Finance, Manufacturing Management
M.M./IMPMB.A./Japanudies, Gender and	Non-Thesis	N/A

**Master of Laws (LL.M.)**

Law	Thesis, Non-Thesis	Bioethics, European Studies (Thesis) Air and Space Law, Environment, Comparative Law (Thesis and Non-Thesis)
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**Master of Management (M.M.)**

Analytics	Non-Thesis	N/A
Finance	Non-Thesis	N/A
Manufacturing Management	Non-Thesis	N/A
IMPM	Non-Thesis	N/A
IMPMHL	Non-Thesis	N/A

**Master of Music (M.Mus.)**

**Master of Science (M.Sc.)**

Family Medicine	Thesis	Bioethics, Medical Education
Food Science and Agricultural Chemistry	Thesis, Non-Thesis	Food Safety (Non-Thesis)
Genetic Counselling	Non-Thesis	N/A
Geography	Thesis	Environment, Neotropical Environment
Human Genetics	Thesis	Bioethics, Bioinformatics
Human Nutrition	Thesis	N/A
Kinesiology and Physical Education	Thesis, Non-Thesis	N/A
Materials Engineering	Thesis	N/A
Mathematics and Statistics	Thesis, Non-Thesis	Bioinformatics, Computational Science and Engineering (Thesis)
Mechanical Engineering	Thesis	N/A
Medical Radiation Physics	Thesis	N/A
Microbiology	Thesis	Environment
Microbiology and Immunology	Thesis	N/A
Mining and Materials Engineering	Thesis	N/A
Neuroscience	Thesis	N/A
Otolaryngology	Thesis	N/A
Parasitology	Thesis	N/A
Pathology	Thesis	N/A
Pharmacology	Thesis	Environmental Health Sciences
Physics	Thesis	N/A
Physiology	Thesis	Bioinformatics, Chemical Biology
Plant Science	Thesis	Bioinformatics, Environment, Neotropical Environment
Psychiatry	Thesis	N/A
Psychology	Thesis	N/A
Public Health	Non-Thesis	Global Health, Population Dynamics
Rehabilitation Sciences	Thesis, Non-Thesis	N/A
Renewable Resources	Thesis, Non-Thesis	Environment, Neotropical Environment (Thesis) Environmental Assessment (Non-Thesis)

**Master of Science, Applied (M.Sc.A.)**

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Animal Science	Non-Thesis	Sustainable Agriculture
Bioresource Engineering	Non-Thesis	Environment, Environmental Engineering, Integrated Food and Bioprocessing
Biotechnology	Non-Thesis	N/A
Communication Sciences and Disorders	Non-Thesis	Speech-Language Pathology
Human Nutrition	Non-Thesis, Non-Thesis (Project), Non-Thesis (Practicum)	Dietetics Credentialing
Nursing	Non-Thesis	Advanced Clinical Practice, Direct Entry Nursing, Global Health, Global Health Direct Entry, Mental Health Nurse Practitioner, Neonatology Nurse Practitioner, Nursing Services Administration, Pediatric Nurse Practitioner, Primary Care Nurse Practitioner



### Master of Science, Applied (M.Sc.A.)

Occupational Health	Non-Thesis (Resident), Non-Thesis (Distance)	N/A
Occupational Therapy	Non-Thesis	N/A
Physical Therapy	Non-Thesis	N/A
Plant Science	Non-Thesis	N/A
Social Work	Non-Thesis	Couple and Family Therapy

### Master of Social Work (M.S.W.)

The M.S.W. degree represents a second level of professional study in which students build competence in a chosen field of practice.

Social Work	Thesis, Non-Thesis	Gender and Women's Studies (Thesis) International Partner Program, Gender and Women's Studies (Non-Thesis)
Joint Master of Social Work with B.C.L. and LL.B.	Non-Thesis	N/A

### Master of Urban Planning

The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Urban Planning	Non-Thesis	Transportation Planning, Urban Development and Urban Design
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### Ad Hoc Master of Arts (M.A. (Ad Hoc))

Digital Humanities	Thesis	N/A
East Asian Studies	Thesis	N/A

## 1.3.3 Doctoral Degrees Available at McGill

The following section lists the doctoral degrees available at McGill, along with their prerequisites. See [section 1.3.3.1: Doctoral Degree Programs and Specializations](#) for specific programs and options for doctoral degrees.

Degree		Prerequisites
Doctor of Civil Law	D.C.L.	B.C.L. or LL.B. and usually LL.M. See <a href="#">section 8.11.1: Law</a> .
Doctor of Music	D.Mus.	M.A. in Composition (D.Mus. in Composition) or a master's degree in performance, and professional and teaching experience (D.Mus. in Performance). See <a href="#">section 11.11.1: Schulich School of Music</a> .
Doctor of Philosophy	Ph.D.	An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.
Joint Doctor of Philosophy	Ph.D.	Joint Ph.D.s are offered in co-operation with other universities.
Ad Hoc Doctor of Philosophy	Ph.D. (Ad Hoc)	Several departments offer the possibility of directly entering a Ph.D. program on an <i>ad hoc</i> basis, or, with the permission of the supervisor and the approval of the Graduate Program Director, exceptional students may transfer from the master's program to the <i>ad hoc</i> Ph.D. program.

### 1.3.3.1 Doctoral Degree Programs and Specializations

Program	Options	Offered by Faculty/School
<b>Doctor of Civil Law (D.C.L.)</b>		

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the usually LL.M. Sotrib

**Doctor of Music (D.Mus.)**

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

Music	Composition, Performance Studies	Schulich School of Music
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**Doctor of Philosophy (Ph.D.)**

Animal Science	Bioinformatics	Faculty of Agricultural and Environmental Sciences
Anthropology	Neotropical Environment	Faculty of Arts
Architecture	N/A	Faculty of Engineering
Art History	Gender and Women's Studies	Faculty of Arts
Atmospheric and Oceanic Sciences	N/A	Faculty of Science
Biochemistry	Bioinformatics, Chemical Biology	Faculty of Medicine
Biology	Bioinformatics, Environment, Neotropical Environment	Faculty of Science
Biological and Biomedical Engineering	N/A	Faculty of Engineering, Faculty of Medicine
Bioresource Engineering	Environment	Faculty of Agricultural and Environmental Sciences
Biostatistics	N/A	Faculty of Medicine
Cell Biology	N/A	Faculty of Medicine
Chemical Engineering	N/A	Faculty of Engineering
Chemistry	N/A	Faculty of Science
Civil Engineering	N/A	Faculty of Engineering
Communication Sciences and Disorders	Language Acquisition	Faculty of Medicine
Communication Studies	Gender and Women's Studies	Faculty of Arts
Computer Science	Bioinformatics	Faculty of Science
Counselling Psychology	N/A	Faculty of Education
Earth and Planetary Sciences	Environment	Faculty of Science
Economics	N/A	Faculty of Arts
Educational Psychology	Human Development, Learning Sciences	Faculty of Education
Educational Studies	Gender and Women's Studies, Language Acquisition, Mathematics and Science Education	Faculty of Education
Electrical Engineering	N/A	Faculty of Engineering
English	N/A	Faculty of Arts
Entomology	Environment, Neotropical Environment	Faculty of Agricultural and Environmental Sciences
Epidemiology	Global Health, Pharmacoepidemiology, Population Dynamics	Faculty of Medicine
Experimental Medicine	Environment	Faculty of Medicine
Experimental Surgery	N/A	Faculty of Medicine
Food Science and Agricultural Chemistry	N/A	Faculty of Agricultural and Environmental Sciences
French Language and Literature	Gender and Women's Studies	Faculty of Arts
Geography	Environment, Gender and Women's Studies, Neotropical Environment	Faculty of Arts, Faculty of Science

**Doctor of Philosophy (Ph.D.)**

German	N/A	Faculty of Arts
Hispanic Studies	N/A	Faculty of Arts
History	N/A	Faculty of Arts
Human Genetics	Bioinformatics	Faculty of Medicine
Human Nutrition	N/A	Faculty of Agricultural and Environmental Sciences
Information Studies	N/A	Faculty of Arts
Islamic Studies	Gender and Women's Studies	Faculty of Arts
Linguistics	Language Acquisition	Faculty of Arts
Management	Environment	Desautels Faculty of Management
Materials Engineering	N/A	Faculty of Engineering
Mathematics and Statistics	Bioinformatics	Faculty of Arts, Faculty of Science
Mechanical Engineering	N/A	Faculty of Engineering
Microbiology	Bioinformatics, Environment	Faculty of Agricultural and Environmental Sciences
Microbiology and Immunology	N/A	Faculty of Medicine
Mining Engineering	N/A	Faculty of Engineering

#### **Ad Hoc Doctor of Philosophy (Ph.D. (Ad Hoc))**

Dentistry	N/A	Faculty of Dentistry
East Asian Studies	N/A	Faculty of Arts
Family Medicine	N/A	Faculty of Medicine
Italian Studies	N/A	Faculty of Arts
Jewish Studies	N/A	Faculty of Arts
Kinesiology and Physical Education	N/A	Faculty of Education
Psychiatry	N/A	Faculty of Medicine
Quantitative Life Sciences	N/A	Interfaculty Studies
Urban Planning	N/A	Faculty of Engineering

#### **1.3.4 Postdoctoral Research**

See [section 2.8: Postdoctoral Research](#) for information about postdoctoral research at McGill University.

#### **1.3.5 Graduate Diplomas and Graduate Certificates**

The graduate diplomas and graduate certificates listed below are programs of study under the academic supervision of Graduate and Postdoctoral Studies. The prerequisite for a diploma or certificate is an undergraduate degree in the same discipline.

The graduate diploma programs consist of at least two terms of full-time study or the equivalent.

##### **Graduate Diplomas**

Clinical Research	Neonatal Nurse Practitioner
Medical Radiation Physics	Pediatric Nurse Practitioner
Mental Health Nurse Practitioner	Primary Care Nurse Practitioner
Mining Engineering	Registered Dietitian Credentialing (R.D.)
Music Artist	School/Applied Child Psychology (Post-Ph.D.)
Music Performance	Surgical Innovation

##### **Graduate Certificates**

Air and Space Law	Library and Information Studies
Bioinformatics	Performance Choral Conducting
Biotechnology	Post-M.B.A.
Chronic Pain Management	Post-M.B.A. Japan
Comparative Law	Professional Accounting
Digital Archives Management	Surgical Innovation
Driving Rehabilitation	Teaching English as a Second Language
Educational Leadership 1	Theory in Mental Health
Educational Leadership 2	Theory in Pediatrics
Enseignement immersif	Theory in Primary Care
Information Architecture and Design	Theory in Neonatology
Information and Knowledge Management	Translational Biomedical Engineering
International Leadership in Educational and	

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## 1.4 Graduate Admissions and Application Procedures

Website: [www.mcgill.ca/gradapplicants](http://www.mcgill.ca/gradapplicants)

Email: [servicepoint@mcgill.ca](mailto:servicepoint@mcgill.ca)



**Deadline:** Admission to graduate studies at McGill is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit. Meeting minimum admission standards does not guarantee admission. Admission decisions are not normally subject to appeal or reconsideration and are not subject to change. To be consider

- 4. Reference letters:** on the application form you must provide the names and email addresses of at least two professors who are familiar with your academic work. McGill will contact these referees and invite them to upload references on your behalf. N.B. some academic units require more than two referees; please consult *Admission Requirements and Application Procedures* for each academic unit at [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). This topic is under discussion; please check with your academic unit before you begin requesting reference letters.

Normally, applicants meeting any one of the following conditions are **not** required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using **one** of the following options:

1. **TOEFL** (Test of English as a Foreign Language): minimum acceptable scores are:

#### Competency in English

##### iBT (Internet-based test)

86 overall (no less than 20 in each of the four component scores)

N.B. an institutional version of the TOEFL is not acceptable.

##### PBT (paper-based test)

567

2. **IELTS** (International English Language Testing System): a band score of 6.5 or greater.
3. **MELAB** (Michigan English Language Assessment Battery): a grade of 85% or higher.
4. University of Cambridge ESOL *Certificate in Advanced English* (CAE): a grade of "B" (Good) or higher.
5. University of Cambridge ESOL *Certificate of Proficiency in English* (CPE): a grade of "C" (Pass) or higher.
6. **Pearson Edexcel** (formerly Edexcel London) Test of English – Lev

#### 1.4.10 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. Normally, the deferral period granted will not exceed one academic year (two terms). This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

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### 1.5 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies  
Graduate Funding Unit  
James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal QC H3A 0G4  
Fax: 514-398-6283  
Email: [graduatefunding.gps@mcgill.ca](mailto:graduatefunding.gps@mcgill.ca)  
Website: [www.mcgill.ca/gps/funding](http://www.mcgill.ca/gps/funding)

The Graduate Funding Unit of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found on the Graduate and Postdoctoral Studies website.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic units. Most internal fellowships are awarded in this manner—please contact the proposed academic units directly for further information.

Research assistantships, teaching assistantships, and stipends from professors' research grants are handled by individual academic units at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students 0 0 1 424, 1 051.954 446.101 AMcGim(assistantips, and stid bquirStudshould cani

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#### **1.6.6 Policy on Intellectual Property**

Please refer to the Policy on Intellectual Property available at [www.mcgill.ca/research/researchers/ip](http://www.mcgill.ca/research/researchers/ip).

#### **1.6.7 Regulations Governing Conflicts of Interest**

Please refer to the regulations governing conflicts of interest available at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations).

#### **1.6.8 Safety in Field Work**

Please refer to the policies on safety in field work available at [www.mcgill.ca/ehs/policies-and-safety-committees/policies/field-work-safety](http://www.mcgill.ca/ehs/policies-and-safety-committees/policies/field-work-safety).

#### **1.6.9 Office of Sponsored Research**

Please refer to the Office of Sponsored Research, available at [www.mcgill.ca/research/researchers](http://www.mcgill.ca/research/researchers).

#### **1.6.10 Postdocs**

Please see [www.mcgill.ca/gps/postdocs](http://www.mcgill.ca/gps/postdocs).

#### **1.6.11 Research Associates**

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equiv

### 1.7.1.1 Location

3415 McTavish Street (corner Sherbrooke)  
Montreal QC H3A 0C8  
Telephone: 514-398-7878  
Opening hours: please refer to [www.mcgill.ca/servicepoint](http://www.mcgill.ca/servicepoint)  
Email: please refer to [www.mcgill.ca/servicepoint/contact-us](http://www.mcgill.ca/servicepoint/contact-us)

## 1.7.2 Student Rights and Responsibilities

The *Handbook on Student Rights and Responsibilities* is produced jointly by the Office of the Dean of Students and the University Secretariat. It contains regulations and policies governing your rights and responsibilities as a student at McGill, and is available at [www.mcgill.ca/students/srr](http://www.mcgill.ca/students/srr).

Further details regarding your rights and responsibilities are also available at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations).

### 1.7.2.1 Support for Students: Office of the Dean of Students

The Dean and the Associate Dean of Students coordinate and promote initiatives concerned with important aspects of the student experience, such as advising, academic integrity, student discipline, student recognition programs, and outreach to families, the McGill community, and the broader local community.

William and Mary Brown Student Services Building  
3600 McTavish Street, Suite 2100  
Montreal QC H3A 0G3

For information, contact (Dean/Associate Dean):

Telephone: 514-398-4990  
Email: [deanofstudents@mcgill.ca](mailto:deanofstudents@mcgill.ca)  
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### 1.7.2.2 Office of the Senior Director, Services for Students

William and Mary Brown Student Services Building  
3600 McTavish Street, Suite 4100  
Montreal QC H3A 0G3

For information, contact:

Telephone: 514-398-8238  
Wubsite: [www.mcgill.ca/studentsservices](http://www.mcgill.ca/studentsservices)

The Senior Director, Services for Students (SDSS), coordinates all student services at McGill to help promote student success and well-being. available to pro

- [section 1.7.3.6: International Student Services \(ISS\)](#)
- [section 1.7.3.7: Office of Religious and Spiritual Life \(MORSL\)](#)
- [section 1.7.3.8: Office for Sexual Violence Response, Support, and Education](#)
- [section 1.7.3.9: Office for Students with Disabilities \(OSD\)](#)
- [section 1.7.3.10: Office of Sustainability](#)
- [section 1.7.3.11: Psychiatric Services](#)
- [section 1.7.3.12: Scholarships and Student \(Financial\) Aid Office](#)
- [section 1.7.3.13: Tutorial Service](#)

### 1.7.3.1 Campus Life & Engagement (CL&E)

Supports all students, new and returning, and connects them to resources and opportunities that will enhance their student experience.

Brown Student Services Building, Suite 3100  
Telephone: 514-398-6913  
Email: [cle@mcgill.ca](mailto:cle@mcgill.ca)  
Website: [www.mcgill.ca/cle](http://www.mcgill.ca/cle)

#### First-year students:

Email: [firstyear@mcgill.ca](mailto:firstyear@mcgill.ca)  
Website: [www.mcgill.ca/firstyear](http://www.mcgill.ca/firstyear)

### 1.7.3.2 Career Planning Service (CaPS)

Provides career education, industry events, advising, mentoring, workshops and a comprehensive job posting system (myFuture) to help you find permanent/part-time/summer jobs and internships, explore your career or graduate education options, and build your network.

Brown Student Services Building, Suite 2200  
Telephone: 514-398-3304  
Email: [careers.caps@mcgill.ca](mailto:careers.caps@mcgill.ca)  
Website: [www.mcgill.ca/caps](http://www.mcgill.ca/caps)  
myFuture: [caps.myfuture.mcgill.ca](http://caps.myfuture.mcgill.ca)

### 1.7.3.3 Counselling Services

Supports psychological wellness through groups, workshops, online resources, and short-term counselling.

Brown Student Services Building, Suite 4200  
Telephone: 514-398-3601  
Email: [counselling.service@mcgill.ca](mailto:counselling.service@mcgill.ca)  
Website: [www.mcgill.ca/counselling](http://www.mcgill.ca/counselling)

### 1.7.3.4 First Peoples' House

Promotes and supports Indigenous student success and well-being in a culturally welcoming environment.

3505 Peel Street  
Telephone: 514-398-3217  
Email: [firstpeopleshouse@mcgill.ca](mailto:firstpeopleshouse@mcgill.ca)  
Website: [www.mcgill.ca/fph](http://www.mcgill.ca/fph)

### 1.7.3.5 Health Services

Provides access to physicians, nurses, and a dietician who offer health services and information in a confidential atmosphere. Also operates a laboratory offering a wide array of testing.

Downtown Campus  
Brown Student Services Building, Suite 3300  
Telephone: 514-398-6017  
Website: [www.mcgill.ca/studenthealth](http://www.mcgill.ca/studenthealth)

Macdonald Campus

Telephone: 514-398-7992

Website: [www.mcgill.ca/macdonald-studentservices/feeling-sick](http://www.mcgill.ca/macdonald-studentservices/feeling-sick)

Website: [www.mcgill.ca/sustainability](http://www.mcgill.ca/sustainability)

### **1.7.3.11 Psychiatric Services**

Supports students' mental health and psychological well-being

Brown Student Services Building, Suite 5500

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#### **1.7.4.2 Counselling Services**

Supports psychological wellness through groups, workshops, online resources, and short-term counselling.

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McGill's Office of Sustainability, located in the Downtown campus, sends representatives to Macdonald campus every month to support McGill's goal to become an institutional model of sustainability for society. Whether you have a project in mind, or just a lot of questions, there are many ways for you to get involved with sustainability at McGill. Stay up to date via our [Facebook](#) and [Twitter](#) pages, and by [signing up](#) to receive our monthly e-newsletter.

Telephone: 514-398-2268

Email: [sustainability@mcgill.ca](mailto:sustainability@mcgill.ca)

Website: [www](#)

Telephone: 514-398-7716

Email: [residences.macdonald@mcgill.ca](mailto:residences.macdonald@mcgill.ca)

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## 1.7.6 Athletics & Recreation

### 1.7.6.1 Downtown Campus Athletics & Recreation

Offers a wide range of facilities, activities, and equipment. Facilities include:

- gymnasium
- fully-equipped fitness centre
- varsity weight room
- pool
- arena
- fieldhouse
- stadium
- indoor and outdoor running tracks and tennis courts
- squash and racquetball courts
- spinning, fitness, and martial arts studios
- various playing fields
- small groups and one-on-one training spaces
- gender-neutral changing spaces and bathrooms

McGill students can participate in instructional, recreational, intramural, and intercollegiate activities, as well as sports clubs. There are nominal fees for instructional courses, intramurals, sports equipment rentals, and membership to the Fitness Centre. Sporting equipment (x-country skis, snowshoes, racquets, balls, etc.) is available for loan or rent.

McGill Sports Complex  
475 Pine Avenue West  
Telephone: 514-398-7000  
Email: [perry.kar4w](mailto:perry.kar4w)

### **1.7.7 Ombudsperson for Students**

The Office of the Ombudsperson for students offers confidential, informal, independent, and impartial dispute resolution services to all members of the student community by providing information, advice, intervention, and referrals.

The mandate of the Ombudsperson for Students at McGill University is to intervene at any point and attempt to resolve issues informally before proceeding

Webstore: [lejames.ca](http://lejames.ca)

### 1.7.9.2 Macdonald Campus

Located on the main floor of the Centennial Centre, the Robber's Roost Bookstore carries textbooks and course materials for Macdonald Campus classes. McGill and Macdonald clothing and insignia items are also available.

#### Robber's Roost Bookstore

Macdonald Campus Centennial Centre

Telephone: 514-398-8300

Website: [mcss.mcgill.ca/bookstore](http://mcss.mcgill.ca/bookstore)

### 1.7.10 Computer Store

All technology products (hardware, software, and accessories) can now be found at *Le James* – McGill Bookstore located at 680 Sherbrooke. For any special orders, please contact us at [sales.mcs@mcgill.ca](mailto:sales.mcs@mcgill.ca).

### 1.7.11 Day Care

The McGill Childcare Centre (CPE McGill) is an independently run centre that can accommodate 110 children, ranging in age from four months to five years. Early application is required as placement is limited.

The Centre is located at:

3491 Peel Street

Montreal QC H3A 1W7

Telephone: 514-398-6943

Website: [www.mcgill.ca/daycare](http://www.mcgill.ca/daycare)

A Campus Day Care Centre, located adjacent to the Macdonald campus, is an independently run centre that can accommodate approximately 60 children, ranging in age from four months to five years. Preference is given to the Macdonald campus community. Early application is recommended.

The Centre is located at:

1 Maple Avenue

Ste.-Anne-de-Bellevue QC H9X 2E3

Telephone: 514-398-7951

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## 1.8 Fees

The information in this publication was updated in February 2018. **The University reserves the right to make changes without notice in the published scale of fees.**

**Further information regarding fees can be found on the Student Accounts website:**

[www.mcgill.ca/student-accounts/tuition-fees/tuition-and-fees-tables-and-rates](http://www.mcgill.ca/student-accounts/tuition-fees/tuition-and-fees-tables-and-rates).

For information on financial support, see [University Regulations & Resources](#) > Undergraduate > : [Scholarships and Student Aid](#).



**Note for Graduate and Postdoctoral Studies:** For information on financial support, see [www.mcgill.ca/gps/funding](http://www.mcgill.ca/gps/funding).

### 1.8.1 Access to Fee Information

You can view your *Account Summary by Term* on [Minerva](#). The Fall 2018 term fees will be accessible in mid-July.

### 1.8.2 Billings and Due Dates

#### Confirmation of Acceptance Deposit

In certain graduate departments, you are required to make a deposit on tuition shortly after receiving notice of your acceptance to the University. You will be required to confirm your acceptance of the offer of admission on [www.mcgill.ca/accepted/nextsteps/accepting](http://www.mcgill.ca/accepted/nextsteps/accepting) and pay the required deposit by credit card (Visa, American Express, or Mastercard) at that time.

#### Invoicing of Fees

Fees are assessed on a term by term basis. Electronic billing is the official means of delivering fee statements to all McGill students. Your e-bill includes all charges to your account, including tuition, fees, health insurance and other charges. The University generally produces e-bills at the beginning of the month and sends an email notification to your official McGill email address stating that your e-bill is available for viewing on Minerva. Charges or payments that occur after the statement date appear on the next month's statement, but you can view them immediately on the *Account Summary by Term* under the *Student Accounts Menu* on *Minerva* (this is the online dynamic account balance view).

Failure to check your McGill email on a regular basis in no way warrants the cancellation of interest charges and/or late payment fees. Refer to the *Student Accounts website* for information on payment due dates.

Term	Payment Due Date
<b>Fall term</b>	
All new and returning students	August 31, 2017
<b>Winter Term</b>	
All new and returning students	January 4, 2018

**Late Payment Charges:** If you have an outstanding balance greater than \$100 on your account at the end of October (end of February for the Winter term), you will be assessed a late payment charge, over and above the interest. See *Penalties and Fines* at [www.mcgill.ca/student-accounts/tuition-fees/non-tuition-charges/other](http://www.mcgill.ca/student-accounts/tuition-fees/non-tuition-charges/other).

### 1.8.2.1 Guest Access on Minerva

You may choose to give access privileges to a guest on Minerva. These privileges include viewing e-bills/account summaries, tax receipts and e-payment.

The [www.mcgill.ca/student-accounts/parents-and-sponsors/guest-access](http://www.mcgill.ca/student-accounts/parents-and-sponsors/guest-access) web page describes how to set up this access. You must provide certain information about the individual to whom you wish to grant access to your fee-related information. The guest will be contacted by email and provided with a link to use within a designated time period.

You can revoke guest access privileges at any time.

Note that *Service Point* staff may respond to questions from your authorized guest regarding the information to which they have been given access.

If you do not want to give a guest access privileges to Minerva, you can enter an “Alternate Student Billing” email address on Minerva to which Student Accounts will send a copy of the monthly e-bill notification.

You should not share your PIN (personal identification number) with anyone, including a guest on Minerva. *Guest Access* allows your guest to view your account information without knowing your PIN.

### 1.8.2.2 Payment Procedures

Please see the Student Accounts website at [www.mcgill.ca/student-accounts/your-account/payment](http://www.mcgill.ca/student-accounts/your-account/payment) for the various methods of payment available to students and their guests.

## 1.8.3 Tuition Fees

**Tuition rates are subject to change each academic year.** Please access *Tuition and fees* at [www.mcgill.ca/student-accounts/tuition-fees](http://www.mcgill.ca/student-accounts/tuition-fees). The annual rates of tuition and fees are updated as soon as they are known.



**Note:** Students who are required to submit documentation and who do not do so by the stipulated deadlines (December 1 – Fall; April 1 – Winter; August 1 – Summer) are billed at the non-Quebec Canadian or the international rate, depending on the documentation submitted. Students who are not automatically granted a fee deferral based on the University’s evaluation of their personal information at admission, and who expect their fee residency status to change within the term—contingent on appropriate supporting documentation—must contact either *Service Point*, *SCS Client Services* (School of Continuing Studies students only), or *Student Accounts* to discuss what documentation is still outstanding to support their situation. These offices will decide if a fee deferral is warranted. No prior interest charges or late payment fines will be reversed; therefore, students should ensure their request is submitted before the first fee payment for the term is due.

### 1.8.3.1 Quebec Students and Non-Quebec (Canadian or Permanent Resident) Students

In accordance with provincial government requirements, students must provide proof that they qualify for assessment of fees at the Quebec or non-Quebec Canadian rates; see [www.mcgill.ca/legaldocuments](http://www.mcgill.ca/legaldocuments) for details. In certain cases, non-Quebec Canadian students pay the same rate of tuition as Quebec students—for further information about these exceptions, see the Student Accounts website at [www.mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions](http://www.mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions).

### 1.8.3.2 International Exemption Fees

Exemption from international tuition fees may be claimed by students in certain categories. Such students, if eligible, are then assessed at the Quebec tuition rate (certain categories may be assessed at the Canadian tuition rate). These categories, and the required supporting documentation for each of them, may be viewed at [www.mcgill.ca/legaldocuments](http://www.mcgill.ca/legaldocuments). Further information regarding these reductions of international tuition fees by the Quebec government is available on the Student Accounts website at [www.mcgill.ca/student-accounts/tuition-fees](http://www.mcgill.ca/student-accounts/tuition-fees) under *Tuition & fees > General Tuition and Fees Information*.



attend the Convocation may be responsible for some additional costs. A fee per official transcript is applicable if you have not been registered at McGill in the last 12 months. Please see [www.mcgill.ca/student-records/transcripts](http://www.mcgill.ca/student-records/transcripts) for further information.

**Copyright Fee** – All students in courses and programs are charged a copyright compliance fee. This fee covers the cost of using material protected by copyright. It is le



#### **1.8.9.4 Fees for Students in Two Programs**

Students in two programs normally are billed additional fees for their second program. Depending on the level of the two programs (e.g., one at the undergraduate versus one at the graduate level), you may incur both society and faculty fees and/or additional tuition fees. Consult the Student Accounts website at [www.mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/exchange-senior-citizens-part-time-and-double-program](http://www.mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/exchange-senior-citizens-part-time-and-double-program) for further details.

You should consult the Student Accounts Office at [student.accounts@mcgill.ca](mailto:student.accounts@mcgill.ca) for information on tuition fees. Adjustments to bills are made throughout the term in cases where fees cannot be automatically calculated.

#### **1.8.9.5 Students Taking Courses Extra to Their Program**

Students who have been given permission by their department and Enrolment Services to take courses that are considered to be extra to their primary program, must request, in writing to their department, to have those courses flagged as extra to their program, and are required to pay additional tuition charges. Such assessment of fees will be processed after normal course add/drop deadlines have passed.

Please refer to the "Extra Courses" policy found at [www.mcgill.ca/student-accounts/tuition-fees/gener](http://www.mcgill.ca/student-accounts/tuition-fees/gener)



#### 1.8.10.4 Tuition and Fees – Payment Deferral

Students with no outstanding tuition or fees from a prior term may request that payment(s) of tuition and fees be deferred based on self-reported demonstrated sources of funding from the university, government, or other external agencies. Such requests will be granted on a term by term basis during which time no interest or late payment charges will be applied on the fees covered by the deferral. The length of time that a fee deferral is in effect will depend on the nature of the fee deferral. For the list of deferrals and their duration, please refer to the Student Accounts website at [www.mcgill.ca/student-accounts/awards-assistance/tuition-fees-payment-deferral](http://www.mcgill.ca/student-accounts/awards-assistance/tuition-fees-payment-deferral).

Students may apply for a fee deferral via the “Defer Payment of Tuition and Fees” form through the Financial Aid/Award menu on *Minerva*, selecting the category applicable to their situation. All applicants will be verified to ensure they have self reported their situation accurately.

The Minerva application for deferral of tuition fees form is available in mid-July for the Fall term (mid-December for the Winter and early April for the Summer). Students who apply up to the fee deadline can be assured that the deferral will be in effect prior to interest being charged on their account.



**Note:** Students who apply late may not request cancellation of interest.

A fee deferral generally cov





Telephone: 514-398-8447

Inquiries concerning CCOM 206, CCOM 314, and CCOM 315 should be directed to:

Prof. Diane Dechief  
Email: [diane.dechief@mcgill.ca](mailto:diane.dechief@mcgill.ca)  
McLennan-Redpath Library  
Main Floor, Room #02  
Telephone: 514-398-3320

Inquiries concerning graduate-level courses and other aspects of the Graphos program should be directed to:

Dr. Yvonne Hung  
Email: [yvonne.hung@mcgill.ca](mailto:yvonne.hung@mcgill.ca)  
McLennan-Redpath Library  
Main Floor, Room #02  
Telephone: 514-398-8430

Administrative inquiries should be directed to:

[mwc@mcgill.ca](mailto:mwc@mcgill.ca) for undergraduate courses  
[graphos@mcgill.ca](mailto:graphos@mcgill.ca) for graduate courses

### 1.10.3 University Archives

The McGill University Archives (MUA) acquires, preserves, and makes available to students, faculty, staff and researchers (including the general public) more than 30,000 metres of records dating from 1797 to the present. These records document McGill University faculty, research, alumni, and student organizations, and certain Montreal-based organizations. Archived media include:

- textual records;
- photographs;
- audio tapes;
- film;
- video;
- plans;
- University publications;
- artifacts.

The MUA acquires private records to complement its collection of the University's documentary heritage and to support University research goals. The MUA

The Museum welcomes McGill students and staff to visit its permanent exhibit, which presents the history of life through the ages illustrated by material from Quebec and neighbouring regions, as well as displays that feature the mineral and mollusc collections. The Museum also features a world cultures gallery devoted to cultures throughout the world, including ancient Egypt, classical Greece and Rome, Asia, and Africa.

859 Sherbrooke Street West

Telephone: 514-398-4086

Email: [redpath.museum@mcgill.ca](mailto:redpath.museum@mcgill.ca)

Website: [www.mcgill.ca/redpath](http://www.mcgill.ca/redpath)

**McCor**

the College as its Faculty of Medicine in June 1829. After further litigation, the College received the financial endowment in 1835 and the Arts Building and Dawson Hall were erected. The Faculty of Arts opened its doors in 1843. Progress, however, was slow until the 1821 Charter w

from amongst those nominated by its Nominating, Governance and Ethics Committee; three are elected by the Alumni Association; two are elected by Senate from amongst its members; two elected by the full-time administrative and support staff from amongst its members; two elected by the full-time academic staff; and two elected by students from amongst the student body. The Board elects the Chancellor of the University and also, from amongst its members, a chair to preside at its meetings, who may also be the Chancellor. The Chancellor and the Principal are ex officio members.

The Chancellor is presiding officer of Convocation and of joint sessions of the Board of Governors and the Senate.

The Chair of the Board of Governors is President of the Royal Institution for the Advancement of Learning.

The Principal and Vice-Chancellor is the chief executive officer of the University, appointed by the Board of Governors after consultation with a statutory committee. The Principal is, ex officio, Chair of Senate.

The Senate is the highest academic authority of the University and has control over admission, courses of study, discipline, and degrees. The regulations of Senate are executed by the various faculties and schools, which also carry primary responsibility for the educational work of the University.

#### **1.11.4 Recognition of Degrees**

The Royal Institution for the Advancement of Learning (McGill University) is a publicly funded institution and holds a Royal Charter dated 1821 (amended in 1852) as well as being incorporated under the laws of the Province of Quebec.

McGill University was a founding member of the organization that evolved into the current Association of Universities and Colleges of Canada (A.U.C.C.) in which it remains very active. In addition, McGill University is a member of the American Association of Universities (A.A.U.). It is also a member of the Association of Commonwealth Universities and the International Association of Universities. Its undergraduate, professional, and graduate degrees, including doctorates in a full range of disciplines, have been recognized by educational, government, and private organizations worldwide for decades.

All of McGill's degree programs are approved by the Government of Quebec.

#### **1.11.5 Governance: Board of Governors**

##### **The Visitor**

**Members**

Derek Nystrom; B.A.(H.)(Wisc.), M.A., Ph.D.(Virg.)  
 Maarika Paul; B.Com., Gr. Dip.(McG.), F.C.P.A., F.C.A., C.B.V.  
 Samira Sakhia; B.Com., M.B.A.(McG.)  
 Cynthia Price Verreault; B.Com.(McG.)  
 Martine Turcotte; B.C.L./LL.B.(McG.), M.B.A.(London Business School)  
 Edith A. Zorychta; B.Sc.(St. FX), M.Sc., Ph.D.(McG.)

**1.11.5.2.2 Student Representatives****Student Representatives**

Students' Society of McGill (1)  
 Post-Graduate Students' Society of McGill (1)  
*Observers*  
 McGill Association of Continuing Education Students (1)  
 Macdonald Campus Students' Society (1)

**1.11.6 Governance: Members of Senate****1.11.6.1 Ex-officio*****Ex-officio***

The Chancellor  
 The Chair of the Board of Governors  
 The Principal and Vice-Chancellor  
 The Provost, Deputy Provost, and the vice-principals  
 The deans of faculties  
 The Dean of Continuing Studies  
 The Dean of Graduate and Postdoctoral Studies  
 The Dean of Students  
 The Dean/Director of Libraries  
 The University Registrar and Executive Director of Enrolment Services  
 The Director of Teaching and Learning Services

**1.11.6.2 Elected Members****Elected Members**

65 members elected by the faculties, the University Libraries, the Board of Governors, and administrative and support staff  
 Student Members (21)

**1.11.7 Administration****Administration**

Michael A. Meighen; B.A.(McG.), LL.L.(Laval)	<b>Chancellor</b>
Suzanne Fortier; B.Sc., Ph.D.(McG.)	<b>Principal and Vice-Chancellor</b>
Christopher Manfredi; B.A., M.A.(Calg.), M.A., Ph.D.(Claremont)	<b>Provost and Vice-Principal (Academic)</b>



**Administration**

Ollivier Dyens; B.F.A.(C'dia), M.A., Ph.D.(Montr.)

TBA

Martine Gauthier; M.A.(Flor. St.)

Ghyslaine McClure; B.Eng.(Montr.), S.M.(MIT), Ph.D.(Montr.)

Angela Campbell; B.A. B.C.L.(McG.), LL.M.(Harv.)

Anja Geitmann; Diplom(Konstanz), Ph.D.(Siena)

Ghilaine Roquet; B.A.(UQAM), M.Sc.A.(Montr.)

Edyta Rogowska; B.A.(Tor.), M.A.(McG.)

Yves Beauchamp; B.Eng., M.Eng.(UQTR), Ph.D.(WVU)

Diana Dutton; B.F.A.(C'dia), Gr. Dip., M.B.A.(McG.)

Robert Couvrette; B.Sc.(École Poly., Montr. &amp; HEC), M.P.M.(UQAM)

Louis Arsenault; B.A.(UQAM), M.A.(Paris VII)

David Eidelman; M.D.,C.M.(McG.), FRCPC, FACP

Sam Benaroya; B.Sc., M.D.,C.M.(McG.)

Martha Crago; B.A.(McG.)

TBA

Anne McKinney; B.Sc., Ph.D.(Ulster)

Nancy Ross; Ph.D.(McM.)

Marc Weinstein; B.A., B.C.L., LL.B.(McG.)

**Deputy Provost (Student Life & Learning)****University Registrar and Executive Director of Enrolment Services****Executive Director of Services for Students****Associate Provost (Academic Priorities & Resource Allocation)****Associate Provost (Equity & Academic Policies)****Associate Vice-Principal (Macdonald Campus) and Dean (Faculty of Agricultural & Environmental Sciences)****Chief Information Officer****Secretary-General****Vice-Principal (Administration & Finance)****Associate Vice-Principal (Human Resources)****Associate Vice-Principal (Facilities Management and Ancillary Services)****Vice-Principal (Communications & External Relations)****Vice-Principal (Health Affairs) and Dean (Faculty of Medicine)****Associate Vice-Principal (Health Affairs) and Vice-Dean (Health Affairs)****Vice-Principal (Research & Innovation)****Associate Vice-Principal (Research & Innovation) (Innovation & Partnerships)****Associate Vice-Principal (Research & Innovation) (Health Sciences)****Associate Vice-Principal (Research & Innovation) (Social Sciences)****Vice-Principal (University Advancement)****1.11.7.1 Deans, Directors of Schools and Libraries****1.11.7.1.1 Deans****Deans**

Anja Geitmann; Diplom(Konstanz), Ph.D.(Siena)

Antonia Maioni; B.A.(Laval), M.A.(Car.), Ph.D.(N'western)

Carola Weil; B.A.(Bryn Mawr), M.A., M.P.M., Ph.D.(Md.)

Elham Emami; D.D.S.(Tehran), M.Sc., Ph.D.(Montr.)

Dilson Rassier; B.Sc.(Fed. de Pelotas), M.Sc.(UFRGS), Ph.D.(Calg.)

James Nicell; B.A.Sc., M.A.Sc., Ph.D.(Windsor), P.Eng.

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

Robert Leckey; B.A.(Hons.)(Qu.), B.C.L./LL.B.(McG.), S.J.D.(Tor.)

Colleen Cook; B.A., M.L.S., M.A., Ph.D.(Texas)

Isabelle Bajoux-Besnainou; Degree(ENS Paris), M.Sc.(Paris VI & Paris IX),  
Doctorate(Paris IX)

David Eidelman; M.D.,C.M.(McG.), FRCPC, FACP

Brenda Ravenscroft; B.Mus.(Cape Town), M.Mus.(King's, Lond.), Ph.D.(Br.  
Col.)

R. Bruce Lennox; B.Sc., M.Sc., Ph.D.(Tor.)

Chris Buddle; B.Sc.(Guelph), Ph.D.(Alta.)

**Agricultural & Environmental Sciences****Arts****Continuing Studies****Dentistry****Education****Engineering****Graduate & Postdoctoral Studies****Law****Libraries****Management****Medicine****Music****Science****Dean of Students**

**1.11.7.1.2 Directors of Schools****Directors of Schools**

Martin Bressani; B.Arch.(McG.), M.Sc.(MIT), Ph.D.(Paris 1)	<b>Architecture</b>
Marc Pell; B.A.(Ott.), M.Sc., Ph.D.(McG.)	<b>Communication Sciences &amp; Disorders</b>
Bettina Kemme; M.C.S.(Friedrich-Alexander Univ.), Ph.D.(ETH Zürich)	<b>Computer Science</b>
Linda Wykes; B.Sc., M.Sc., Ph.D.(Tor.)	<b>Human Nutrition</b>
Sylvie de Blois; B.Sc.(McG.), M.Sc., Ph.D.(Montr.)	<b>Environment</b>
Kimiz Dalkir; B.Sc., M.B.A.(McG.), Ph.D.(C'dia)	<b>Information Studies</b>
Anita Gagnon; B.Sc.(Cath. Univ. of Amer.), M.P.H.(Johns Hop.), Ph.D.(McG.)	<b>Nursing</b>
Annette Majnemer; B.Sc., M.Sc., Ph.D.(McG.)	<b>Physical &amp; Occupational Therapy</b>
Daniel Cere; B.A., M.A.(McG.), Ph.D.(C'dia) ( <i>Interim</i> )	<b>Religious Studies</b>
Nico Trocme; B.A., M.A., Ph.D.(Tor.)	<b>Social Work</b>
Richard Shearmur; B.A.(Camb.), M.U.P.(McG.), Ph.D.(Montr.) ( <i>Interim</i> )	<b>Urban Planning</b>
Christopher Ragan; B.A.(Vic., BC), M.A.(Qu.), Ph.D.(MIT)	<b>Public Policy</b>

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**2 Faculty of Agricultural and Environmental Sciences**

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**2.1 Dean's Welcome**

To Graduate Students and Postdoctoral Fellows:

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 9,000 graduate students in over 400 programs. *GPS* is here to support you from admissions through to graduation and beyond. We take a holistic approach to graduate student success; we support not only your academic development, but also your career-planning and professional development, and your well-being and student life. I invite you to consult the website [Resources for Your Success](#), which is a one-stop-shop for the many resources and support systems in place for you across the University.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Dean, Graduate and Postdoctoral Studies*

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**2.2 Graduate and Postdoctoral Studies****2.2.1 Administrative Officers****Administrative Officers**

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)	<b>Dean (Graduate and Postdoctoral Studies)</b>
Robin Beech; B.Sc.(Nott.), Ph.D.(Edin.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
France Bouthillier; B.Ed., C.Admin.(UQAM), M.B.S.I.(Montr.), Ph.D.(Tor.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Jean-Jacques Lebrun; B.Sc.(La Roche-sur-Yon), M.Sc.(Rennes), Ph.D.(Paris V)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Elisa Pylkkanen; B.A., M.A.(McG.)	<b>Director (Graduate and Postdoctoral Studies)</b>



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## **2.8 Postdoctoral Research**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

### **2.8.1 Postdocs**

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff

the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

## 5. Responsibilities

i. Postdocs are subject to the responsibilities outlined at [www.mcgill.ca/students/srr](http://www.mcgill.ca/students/srr) and must abide by the policies listed at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations).

ii. Each academic unit hosting Postdocs should clearly identify Postdocs' needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:

- to verify the Postdoc's eligibility period for registration;
- to provide Postdocs with departmental policy and procedures that pertain to them;
- to oversee the registration and appointment of Postdocs;
- to assign departmental personnel (e.g., Postdoc coordinator and Graduate Program Director) the responsibility for Postdocs;
- to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
- to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include Postdocs in departmental career and placement opportunities;
- to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:

- to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
- to provide research guidance;
- to meet regularly with their Postdocs;
- to provide feedback on research submitted by the Postdocs;
- to clarify expectations regarding intellectual property rights in accordance with the University's policy;
- to provide mentorship for career development;
- to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

- to inform themselves of and adhere to the University's policies and/or regulations for Postdocs for leaves, for re 1 175b1auC to stude seuj1•

## **Vacation Policy for Graduate Students and P**

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## 2.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > *Graduate* > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 2.10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > *Graduate* > [section 1.6: Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees](#) for information on the following:

- Policy on Research Ethics
- Regulations on Research Policy
- Policy on Research Integrity
- Guidelines for Research Involving Human Subjects
- Guidelines for Research with Animal Subjects
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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## 2.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2018–2019 session as listed. The Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable at any time throughout the year.

### 2.11.1 Agricultural Economics

#### 2.11.1.1 Location

Department of Natural Resource Sciences  
Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue QC H9X 3V9  
Canada  
Telephone: 514-398-7838  
Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
Website: [www.mcgill.ca/nrs/academic/graduate/agricultural-economics](http://www.mcgill.ca/nrs/academic/graduate/agricultural-economics)

#### 2.11.1.2 About Agricultural Economics

The goal of graduate training in Agricultural Economics is to provide students with the applied concepts and tools to identify, define, and analyze economic problems affecting the performance of the agri-food sector and the environment. Attention is given to:

- the development of analytical skills in the broad areas of agricultural, environmental, and ecological economics;
- development;

- resource allocation in production and marketing in agriculture.

The program prepares graduates for rewarding careers in research, analysis, and decision-making in academia; private and NGO sectors; and government. For more information on the **M.Sc. in Agricultural Economics**, please refer to [section 2.11.7: Natural Resource Sciences](#). Further details can also be found at [www.mcgill.ca/nrs/academic/graduate/agricultural-economics](http://www.mcgill.ca/nrs/academic/graduate/agricultural-economics).

### **2.11.1.3 Agricultural Economics Admission Requirements and Application Procedures**

#### **2.11.1.3.1 Admission Requirements**

To be considered eligible for direct admission to the M.Sc. program, the applicant must have an undergraduate degree with a Cumulative Grade Point Average (CGPA) of **at least** 3.0 out of a possible 4.0 (second class–upper division or equivalent) or a CGPA of 3.2/4.0 for the last two full-time academic years.

The ideal preparation is an undergraduate degree in Agricultural Economics or Economics, including undergraduate courses in intermediate economic theory (micro and macro), calculus, algebra, statistics, and econometrics. Candidates considered to have insufficient preparation in economics will be asked to take up to two additional undergraduate courses as part of their M.Sc. program.

When an applicant does not have sufficient background in economics for admission to the M.Sc., they may be admitted to a Qualifying program of one year of undergraduate courses. The CGPA requirement is the same as for the M.Sc.

Details on the M.Sc. are available from [section 2.11.7: Natural Resource Sciences](#) > [section 2.11.7.5: Master of Science \(M.Sc.\) Agricultural Economics \(Thesis\) \(46 credits\)](#). Further details can also be found at [www.mcgill.ca/nrs/academic/graduate/agricultural-economics](http://www.mcgill.ca/nrs/academic/graduate/agricultural-economics).

#### **Application Pr**



### Assistant Professor

A.P. Harou; B.S.(Sus.), M.S.(Calif., Davis), Ph.D.(Cornell)

### Adjunct Professor

S. Kulshreshtha; B.Sc.(Ag.), M.Sc.(Ag.)(Dr. B. R. Ambedkar Univ., Agra), Ph.D.(Manit.)

### Associate Member

C. Barrington-Leigh; S.M.(MIT), Ph.D.(Stan.), Ph.D.(Br. Col.)

## 2.11.2 Animal Science

### 2.11.2.1 Location

Department of Animal Science  
Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue QC H9X 3V9  
Canada  
Telephone: 514-398-7838  
Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
Website: [www.mcgill.ca/animal](http://www.mcgill.ca/animal)

### 2.11.2.2 About Animal Science

The Department of Animal Science provides exciting challenges to graduate students in the areas of:

- Animal Breeding and Genetics
- Animal Models for Human Medical Applications
- Dairy Cattle Welfare
- Epigenetic Modelling
- Food Safety
- Genome Editing (CRISPR tools)
- Large-data Analyses
- Metabolomics
- Reproductive Physiology
- Ruminant and Non-ruminant Nutrition and Metabolism

as they relate, not only to livestock production, but also leading into the fields of human nutrition and medicine via animal models for human disease, infertility, and obesity. Official options in Biotechnology are also available.

Departmental researchers have e

*section 2.11.2.6: Master of Science, Applied (M.Sc.A.) Animal Science (Non-Thesis) (45 credits)*

graduate training in applied areas of animal production with a view to

### 2.11.2.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Animal Science and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	March 15	May 31	May 31
<b>Winter Term*:</b>	Feb. 15*	Aug. 31*	Oct. 15*	Oct. 15*
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

\* Admission to the Winter term is open for thesis programs only.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy.

### 2.11.2.4 Animal Science Faculty

#### Chair

Raj Duggavathi; B.V.Sc., M.V.Sc.(Bangalore), Ph.D.(Sask.)

#### Emeritus Professors

Roger B. Buckland; B.Sc.(Agr.), M.Sc.(McG.), Ph.D.(Md.)

Eduardo R. Chavez; Ing.Agr.(Chile), M.Sc., Ph.D.(Calif., Davis)

Eugene Donefer; B.Sc., M.Sc.(Cornell), Ph.D.(McG.)

Bruce R. Downey; D.V.M.(Tor.), Ph.D.(McG.)

Urs K

**Adjunct Professors**

Baurhoo Bushansingh, Eveline Ibeagha-Awemu, Pierre Lacasse, Daniel Lefebvre, Bruce Murphy, Débora Santschi

**Affiliate Member**

René Lacroix

**2.11.2.5 Master of Science (M.Sc.) Animal Science (Thesis) (45 credits)****Thesis Courses (36 credits)**

ANSC 680	(9)	M.Sc. Thesis 1
ANSC 681	(9)	M.Sc. Thesis 2
ANSC 682	(9)	M.Sc. Thesis 3
ANSC 683	(9)	M.Sc. Thesis 4

**Required Courses (9 credits)**

6 credits of coursework at the 500 level or higher approved by the student's advisory committee, and three 1-credit seminars.

ANSC 695	(1)	MSc General Topic Seminar
ANSC 696	(1)	MSc Research Proposal Seminar
ANSC 697	(1)	MSc Research Results Seminar

Depending on the needs and competencies of the student, additional coursework may be assigned by the supervisory committee.

**2.11.2.6 Master of Science, Applied (M.Sc.A.) Animal Science (Non-Thesis) (45 credits)**

The program aims to provide graduate training in applied areas of animal production with a view toward integrating technology and management in animal production with allied areas of agricultural resource utilization.

**Research Project (15 credits)**

ANSC 643	(3)	Project 1
ANSC 644	(3)	Project 2
ANSC 645	(3)	Project 3
ANSC 646	(3)	Project 4
ANSC 647	(3)	Project 5

**Complementary Courses (30 credits)**

15-30 credits from the following:

AEMA 610	(3)	Statistical Methods 2
ANSC 504	(3)	Population Genetics
ANSC 530	(3)	Experimental Techniques in Nutrition
ANSC 551	(3)	Carbohydrate and Lipid Metabolism
ANSC 552	(3)	Protein Metabolism and Nutrition
ANSC 560	(3)	Biology of Lactation
ANSC 565	(3)	Applied Information Systems
ANSC 600	(3)	Advanced Eukaryotic Cells and Viruses
ANSC 604	(3)	Advanced Animal Biotechnology



ANSC 604	(3)	Advanced Animal Biotechnology
ANSC 611D1	(1.5)	Advanced Reproductive Biology
ANSC 611D2	(1.5)	Advanced Reproductive Biology
ANSC 622	(3)	Experimental Techniques in Animal Science
ANSC 635	(3)	Vitamins and Minerals in Nutrition
ANSC 637	(3)	Livestock Breeding Systems
FDSC 545	(3)	Advances in Food Microbiology
PLNT 662	(3)	Advances in Plant Biotechnology

0-6 credits of sufficient 500-, or 600-level courses (with Adviser's approval) to bring the total credits to 45.

#### **2.11.2.8 Doctor of Philosophy (Ph.D.) Animal Science**

Since the Ph.D. is primarily a research degree, the amount of coursew

Additional courses at the 500, 600, or 700 level may be required at the discretion of the candidate's supervisory committee.

### 2.11.3 Bioresource Engineering

#### 2.11.3.1 Location

Department of Bioresource Engineering  
 Macdonald Campus  
 21,111 Lakeshore Road  
 Sainte-Anne-de-Bellevue QC H9X 3V9  
 Canada  
 Telephone: 514-398-7838  
 Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
 Website: [www.mcgill.ca/bioeng](http://www.mcgill.ca/bioeng)

#### 2.11.3.2 About Bioresource Engineering

The Department offers M.Sc. and Ph.D. research programs in various areas of bioresource engineering including:

- plant and animal environments;
- ecological engineering (ecosystem modelling, design, management, and remediation);
- water resources management (hydrology, irrigation, drainage, water quality);
- agricultural machinery, mechatronics, and robotics;
- food engineering and bio-processing;
- post-harvest technology;
- waste management and protection of the environment;
- bio-energy;
- artificial intelligence.

The Department has well equipped laboratories for conducting research in all these areas.

The interdisciplinary nature of bioresource engineering often requires candidates for higher degrees to work in association with, or attend courses given by, a number of other departments at both the McGill University Macdonald campus and the Downtown campus.

#### *section 2.11.3.5: Master of Science (M.Sc.) Bioresource Engineering (Thesis) (46 credits)*

This option for the M.Sc. degree is oriented toward individuals who intend to develop a career in bioresource engineering research. The research areas include: plant and animal environments; ecological engineering (ecosystem modelling, design, management and remediation); water resources management (hydrology, irrigation, drainage, water quality); agricultural machinery, mechatronics and robotics; food engineering and bio-processing; post-harvest technology; waste management and protection of the environment; bio-energy; and artificial intelligence.

#### *section 2.11.3.6: Master of Science (M.Sc.) Bioresource Engineering (Thesis): Environment (46 credits)*

The Environmental option is coordinated through the McGill School of Environment (MSE). This option is intended for students who want to take an interdisciplinary approach in their graduate research on environmental issues. Students will learn how to transfer knowledge into action and develop an appreciation for the roles of science, politics, economics, and ethics with regard to the environment.

#### *section 2.11.3.7: Master of Science (M.Sc.) Bioresource Engineering (Non-Thesis): Integrated Water Resources Management (45 credits)*

Integrated Water Resource Management is a one-year program providing an essential approach for sustainable management of our natural watershed resources. The 13-credit internship is a central feature of this master's program. The degree gives students the unique opportunity to study the biophysical, environmental, legal, institutional, and socio-economic aspects of water use and management, in an integrated context. The degree is directed at practising professionals who wish to upgrade and/or focus their skill set to address water management issues.

As a graduate from this program, you will be well suited to opportunities in diverse fields of employment, such as water resources consulting, international development project management, research with governments or universities, public policy and governance development, and climate change impact assessment.

***section 2.11.3.8: Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis) (45 credits)***

The non-thesis option is aimed at individuals already employed in industry or seeking to improve their skills in specific areas (soil and water, structures and environment, waste management, environment protection, post-harvest technology, food process engineering, environmental engineering) in order to attain a higher level of engineering qualification. Candidates must be qualified to be members of a Canadian professional engineering association such as the *Ordre des ingénieurs du Québec* (OIQ) and must maintain contact with their academic adviser in the Department of Bioresource Engineering before registration to clarify objectives, investigate project possibilities, and plan a program of study.

***section 2.11.3.9: Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis): Environment (45 credits)***

The non-thesis Environment option is aimed at individuals already employed in industry or seeking to improve their skills in specific areas with the coordination of the McGill School of Environment.

***section 2.11.3.10: Master of Science,***





**Associate Professors**

Shafaroud Abdolhamid Akbarzadeh; B.Sc.(Isfahan Univ. of Tech.), M.Sc.(Amirkabir Univ. of Tech., Tehran), Ph.D.(New Br.)

Marie-Josée Josée

**Complementar**

BREE 630	(13)	Integrated Water Resources Management Internship
BREE 651	(1)	Departmental Seminar M.Sc. 1
BREE 652	(1)	Departmental Seminar M.Sc. 2
BREE 655	(3)	Integrated Water Resources Management Research Visits
PARA 515	(3)	Water, Health and Sanitation

### **Elective Courses (12 credits)**

12 credits, at the 500 level or higher, of any relevant course(s) chosen in consultation with the Program Director.

### **2.11.3.8 Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis) (45 credits)**

The non-thesis option is aimed toward individuals already employed in industry or seeking to improve their skills in specific areas (soil and water/structures and environment/waste management/environment protection/post-harvest technology/food process engineering/environmental engineering) in order to enter the engineering profession at a higher level.

Candidates must meet the qualifications of a professional engineer either before or during their M.Sc. Applied program.

Each candidate for this option is expected to establish and maintain contact with his/her academic adviser in the Department of Bioresource Engineering some time before registration in order to clarify objectives, investigate project possibilities and plan a program of study.

### **Research Project (12 credits)**

BREE 671	(6)	Project 1
BREE 672	(6)	Project 2

### **Required Courses (2 credits)**

BREE 651	(1)	Departmental Seminar M.Sc. 1
BREE 652	(1)	Departmental Seminar M.Sc. 2

### **Complementary Courses (31 credits)**

31 credits of 500-, 600-, or 700-level courses in bioresource engineering and other fields\* to be determined in consultation with the Project Director.

\* Note: 12 of the 31 credits are e

**Complementary Courses (25 credits)**

3 credits from the following courses below:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500, 600, or 700 level recommended by the Advisory Committee and approved by the Environment Option Committee.

22 additional credits of 500-, 600-, or 700-level courses chosen in consultation with the academic adviser.

**2.11.3.10 Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis): Environmental Engineering (45 credits)**

This inter-departmental graduate program leads to a master's degree in Environmental Engineering. The objective of the program is to train environmental professionals at an advanced level. The program is designed for individuals with an undergraduate degree in engineering. This non-thesis degree falls within the M.Eng. and M.Sc. programs which are offered in the Departments of Bioresource, Chemical, Civil, and Mining, Metals, and Materials Engineering.

**Research Project (6 credits)**

BREE 671*	(6)	Project 1
BREE 672	(6)	Project 2

\* BREE 671 may also be taken as part of this requirement.

**Required Courses (9 credits)**

BREE 533	(3)	Water Quality Management
CHEE 591	(3)	Environmental Bioremediation
CIVE 615	(3)	Environmental Engineering Seminar

**Complementary Courses (19 credits)****Data Analysis Course**

3 credits from the following:

AEMA 611	(3)	Experimental Designs 1
CIVE 555	(3)	Environmental Data Analysis
PSYC 650	(3)	Advanced Statistics 1

**Toxicology Course**

3 credits from the following:

OCCH 612	(3)	Principles of Toxicology
OCCH 616	(3)	Occupational Hygiene

**Water Pollution Engineering Course**

4 credits from the following:

CIVE 651	(4)	Theory: Water / Wastewater Treatment
CIVE 652	(4)	Bioprocesses for Wastewater Resource Recovery
CIVE 660	(4)	Chemical and Physical Treatment of Waters

### **Air Pollution Engineering Course**

3 credits from the following:

CHEE 592	(3)	Industrial Air Pollution Control
MECH 534	(3)	Air Pollution Engineering

or an approved 500-, 600-, or 700-level alternative course.

### **Environmental Impact Course**

3 credits from the following:

GEOG 501	(3)	Modelling Environmental Systems
GEOG 551	(3)	Environmental Decisions

or an approved 500-, 600-, or 700-level alternative course.

### **Environmental Policy Course**

3 credits from the following:

URBP 506	(3)	Environmental Policy and Planning
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or an approved 500-, 600-, or 700-level alternative course.

Further complementary courses (balance of coursework to meet the 45-credit program requirement):

Remaining Engineering or Non-Engineering courses from an approved list of courses, at the 500, 600, or 700 level, from the Faculty of Engineering, Faculty of Agricultural and Environmental Sciences, Faculty of Law, Faculty of Religious Studies, Desautels Faculty of Management, and Departments of Atmospheric and Oceanic Sciences, Biology, Chemistry, Earth and Planetary Sciences, Economics, Epidemiology and Biostatistics, Geography, Occupational Health, Political Science, Sociology, and the McGill School of Environment.

### **2.11.3.11 Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis): Integrated Food and Bioprocessing (45 credits)**

#### **Required Courses (6 credits)**

(1)	Project/Internship Proposal
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BREE 603 (3) Advanced Properties: Food and Plant Materials

Minimum of 12 credits selected from the following:

BREE 601 (6) Integrated Food and Bioprocessing Internship 1  
BREE 602 (6) Integrated Food and Bioprocessing Internship 2  
BREE 671 (6) Project 1  
BREE 672 (6) Project 2

Minimum of 3 credits selected from the following:

Food and 3)3)  
(3) Economics of Agricultural Development  
(3) Professional Practice

Minimum of 3 credits selected from the following:

BTEC 502 (3) Biotechnology Ethics and Society  
FDSC 519 (3) Advanced Food Processing  
FDSC 535 (3) Food Biotechnology  
FDSC 538 (3) Food Science in Perspective  
Contemporary Dilemmas of Development (3) (FDSC 386.7)

or engineering not directly related to their research. The program will be established by consultation of the candidate with a committee that will include the Research Director and at least one other professor.

### **2.11.3.13 Doctor of Philosophy (Ph.D.) Bioresource Engineering: Environment**

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### **Required Courses**

Note: BREE 701, the comprehensive component, must be taken either late in the first, or early in the second, registration year to qualify to proceed to the completion of the Ph.D. degree.

BREE 701	(0)	Ph.D. Comprehensive Examination
BREE 751	(0)	Departmental Seminar Ph.D. 1
BREE 752	(0)	Departmental Seminar Ph.D. 2
BREE 753	(0)	Departmental Seminar Ph.D. 3
BREE 754	(0)	Departmental Seminar Ph.D. 4
ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3

#### **Complementary Courses**

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500, 600, or 700 level recommended by the Advisory Committee and approved by the Environment Option Committee.

### **2.11.4 Biotechnology**

#### **2.11.4.1 Location**

Institute of Parasitology  
Macdonald Campus  
21,111 Lakeshore Road



The non-thesis program in Biotechnology offers a course-based curriculum with practical training in laboratory courses and internships offered through the Institute of Parasitology. The Institute is housed on Macdonald Campus of McGill University in beautiful Sainte-Anne-de-Bellevue about 30 kilometers from the Montreal main campus downtown.

Graduates typically enter the biotechnology sector in research, management, or sales, or accept government positions.

### **Biotechnology Programs**

#### *section 2.11.4.5: Master of Science, Applied (M.Sc.A.) Biotechnology (Non-Thesis) (45 credits)*

Candidates must possess a bachelor's degree in the biological/molecular sciences or an equivalent program. This applied master's program is unique in Quebec. It aims to prepare students for entry into the biotechnology and pharmaceutical industry or to pursue further graduate studies in biomedicine, agriculture, or the environment. Students can choose from a wide range of complementary courses given throughout the M 718.8P 1 393.116 622.ra9.7b345 gn"8.8Pir5 T



BTEC 501	(3)	Bioinformatics
BTEC 502	(3)	Biotechnology Ethics and Society
BTEC 535	(3)	Functional Genomics in Model Organisms
BTEC 555	(3)	Structural Bioinformatics
BTEC 691	(3)	Biotechnology Practicum
EXMD 511	(3)	Joint Venturing with Industry
EXMD 602	(3)	Techniques in Molecular Genetics

### Health

EXMD 610	(3)	Molecular Methods in Medical Research
PARA 635	(3)	Cell Biology and Infection
PHGY 518	(3)	Artificial Cells

### Environment and Food

BREE 530	(3)	Fermentation Engineering
FDSC 535	(3)	Food Biotechnology

## 2.11.5 Food Science and Agricultural Chemistry

### 2.11.5.1 Location

Department of Food Science and Agricultural Chemistry  
 Macdonald-Stewart Building, Room MS1-033  
 Macdonald Campus of McGill University  
 21,111 Lakeshore Road  
 Sainte-Anne-de-Bellevue QC H9X 3V9  
 Canada  
 Telephone: 514-398-7838  
 Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
 Website: [www.mcgill.ca/foodscience](http://www.mcgill.ca/foodscience)

### 2.11.5.2 About Food Science and Agricultural Chemistry

The Department of Food Science and Agricultural Chemistry offers M.Sc. (thesis and non-thesis) and Ph.D. programs. These programs provide training in evolving interdisciplinary areas of:

- food quality;
- food safety/food microbiology;
- food chemistry;
- food biotechnology;
- functional ingredients;
- applied infrared spectroscopy;
- food processing;
- thermal generation of aromas and toxicants;
- marine biochemistry;
- food chemical toxicants.

The Department has key infrastructure with all major equipment necessary for conducting research in all these areas. Our graduate program provides strong mentoring/advisory support while maintaining high flexibility for individual research projects.

***section 2.11.5.6: Master of Science (M.Sc.) Food Science and Agricultural Chemistry (Non-Thesis) (45 credits)***

The program offers advanced food science courses in a broad range of areas. It is suitable for students with an undergraduate degree in food science or a closely related discipline. Students must complete a total of 45 credits including ten graduate-level courses, the graduate seminar, and the research project. The program may be completed in three to four academic terms (12 to 16 months). Entry is possible from other disciplines; however, students may be required to complete selected undergraduate courses as determined by the Department at the time of admission in order to orient themselves to food science. Subsequent career paths include work within the food industry and government agencies.

***section 2.11.5.7: Master of Science (M.Sc.) Food Science & Agricultural Chemistry: Food Safety (Non-Thesis) (45 credits)***

The Food Safety concentration is offered to candidates who seek further specialization in the area of food safety but do not wish to pursue independent research. It is intended to train graduate students as specialists in food safety with the expectation that graduates will be well-prepared academically to take on the challenging food safety events and issues that emerge in Canada and globally. The program covers food safety through the entire food supply chain from food production through processing/manufacturing to the food consumer. A strong undergraduate background in food science and particularly in microbiology is required. Students must complete a total of 45 credits including ten graduate-level courses, the graduate seminar, and the research project. The program may be completed in three to four academic terms (12 to 16 months). Students may also be required to complete selected undergraduate courses as determined by the Department at the time of admission.

***section 2.11.5.5: Master of Science (M.Sc.) Food Science and Agricultural Chemistry (Thesis) (45 credits)***

This program is a research-based degree in various areas related to food science for candidates entering the M.Sc. program without restrictions (i.e., not requiring a Qualifying term/year). Entry into the M.Sc. (Thesis) program also hinges on the availability of supervisory staff and financing. Therefore, it is advisable that the applicant for the M.Sc. (Thesis) degree select the M.Sc. (Non-Thesis) as a second choice in the application form, to enhance the possibility of entry into the Food Science graduate program. Subsequent career paths include work within the food industry, government agencies, and in research.

***section 2.11.5.8: Doctor of Philosophy (Ph.D.) Food Science and Agricultural Chemistry***

A Ph.D. in food science is suitable for students with an M.Sc. degree in food science or related areas who wish to become independent researchers and/or leaders in the field of food science. Candidates with a B.Sc. degree applying for the Ph.D. need to register first for the M.Sc. degree. In cases where the

- Proof of funding (all graduate programs, international applicants only): Documents must be provided in the application to prove that funding is available for the entire duration of the applied-for degree (including tuition, fees, surcharges, books and supplies, living and personal expenses, and any mandatory medical insurance required for the applicant's studies).
- An interview with the applicant may be requested by the Department of Food Science and Agricultural Chemistry in order to assist in the evaluation of the application.

### 2.11.5.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Food Science and Agricultural Chemistry and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	March 15	March 15	March 15
<b>Winter Term*:</b>	Feb. 15*	Aug. 31*	Aug. 31*	Aug. 31*
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

\* Admission to the Winter term is open for thesis programs only.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy.

### 2.11.5.4 Food Science and Agricultural Chemistry Faculty

#### Chair

Varoujan A. Yaylayan

#### Graduate Program Director

Ashraf Ismail

#### Professors

Hosahalli S. Ramaswamy; B.Sc.(B'lore), M.Sc., Ph.D.(Br. Col.)

Benjamin K. Simpson; B.Sc.(KNUST, Ghana), Ph.D.(Nfld.)

Varoujan A. Yaylayan; B.Sc.(Beirut), M.Sc., Ph.D.(Alta.)

#### Associate Professors

Saji George; B.Sc., M.Sc.(Mahatma Gandhi, Kerala), Ph.D.(NUS)

Lawrence Goodridge; B.Sc., M.Sc., Ph.D.(Guelph)

Ashraf A. Ismail; B.Sc., Ph.D.(McG.)

Salw

### **Professors Post-Retirement**

Inteaz Alli; B.Sc.(Guyana), M.Sc., Ph.D.(McG.)

Selim Kermasha; B.Sc.(Baghdad), D.Sc.(Nancy)

Frederik R. van de Voort; B.Sc., M.Sc., Ph.D.(Br. Col.)

#### **2.11.5.5 Master of Science (M.Sc.) Food Science and Agricultural Chemistry (Thesis) (45 credits)**

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.

The residence time for a M.Sc. de

FDSC 535	(3)	Food Biotechnology
FDSC 536	(3)	Food Traceability
FDSC 537	(3)	Nutraceutical Chemistry
FDSC 538	(3)	Food Science in Perspective
FDSC 540	(3)	Sensory Evaluation of Foods
FDSC 545	(3)	Advances in Food Microbiology
FDSC 634	(3)	Food Toxins & Toxicants
FDSC 651	(3)	Principles of Food Analysis 2
FDSC 652	(3)	Separation Techniques in Food Analysis 2

### Elective Courses (15 credits)

At the 500 level or higher, and chosen in consultation with the academic adviser.

#### 2.11.5.7 Master of Science (M.Sc.) Food Science & Agricultural Chemistry: Food Safety (Non-Thesis) (45 credits)

The program is intended to train graduate students as specialists in food safety with the expectation that graduates will be well prepared academically to take on the challenging food safety events and issues that emerge both in Canada and globally. The program will cover food safety through the entire food supply chain from food production through processing/manufacturing to the food consumer; the courses which make up the program reflect the food safety considerations at the different stages of the farm to table food supply chain.

### Required Courses (12 credits)

FDSC 545	(3)	Advances in Food Microbiology
FDSC 624	(3)	Current Food Safety Issues
FDSC 626	(3)	Food Safety Risk Assessment
FDSC 634	(3)	Food Toxins & Toxicants

### Research Project (12 credits)

FDSC 697	(6)	M.Sc. Project Part 1
FDSC 698	(6)	M.Sc. Project Part 2

### Complementary Courses (15 credits)

3 credits chosen from the following:

FDSC 695	(3)	M.Sc. Graduate Seminar 1
FDSC 696	(3)	M.Sc. Graduate Seminar 2

12 credits chosen from the following:

AGRI 510	(3)	Professional Practice
BREE 535	(3)	Food Safety Engineering
FDSC 525	(3)	Food Quality Assurance
FDSC 536	(3)	Food Traceability
FDSC 555	(3)	Comparative Food Law
NUTR 512	(3)	Herbs, Foods and Phytochemicals
OCCH 612	(3)	Principles of Toxicology
PARA 515	(3)	Water, Health and Sanitation

### Elective Courses (6 credits)

At the 500 level or higher, and selected in consultation with the academic adviser.

#### 2.11.5.8 Doctor of Philosophy (Ph.D.) Food Science and Agricultural Chemistry

Candidates will be judged principally on their research ability. Coursework will be arranged in consultation with the student's departmental graduate advisory committee.

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses (9 credits)

Note: Candidates should be prepared to take the Comprehensive Preliminary Examination before the end of the second year of the program.

FDSC 700	(0)	Comprehensive Preliminary Examination
FDSC 725	(3)	Advanced Topics in Food Science
FDSC 797	(3)	Ph.D. Graduate Seminar 1
FDSC 798	(3)	Ph.D. Graduate Seminar 2

### 2.11.6 Human Nutrition

#### 2.11.6.1 Location

School of Human Nutrition  
Macdonald-Stewart Building  
McGill University, Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue QC H9X 3V9  
Canada  
Telephone: 514-398-7838  
Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
Website: [www.mcgill.ca/nutrition](http://www.mcgill.ca/nutrition)

#### 2.11.6.2 About Human Nutrition

In the School of Human Nutrition, cutting-edge nutrition research is conducted by its 12.5 tenure-track professors and six faculty lecturers in all areas recommended by North American Nutrition Societies. These include molecular and cellular nutrition, clinical, community, and international nutrition. Domains emphasized by School researchers include:

- nutritional biochemistry and metabolism;
- fetal, perinatal and childhood origins of health and disease;
- clinical and epidemiological studies optimizing health in at-risk populations including Aboriginal populations, mothers and children, and the elderly;
- development of novel nutritional and/or nutraceutical approaches to maintain health and for treatment during surgery and recovery from disease.

Research is conducted in our on-site research labs, the *Centre for Indigenous Peoples' Nutrition and E 9 credits*1 445.872 194.F1 98m(enous P)Tjon sur/F1 8.1 Tj1 0 0



***section 2.11.6.7: Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Practicum (45 credits) and section 2.11.6.8: Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Project (45 credits)***

The M.Sc. Applied program is a course-based master's program. It allows students to further develop knowledge and expertise in nutrition. Students are required to complete advanced Nutrition courses and activities related to a research project or an advanced practicum (reserved for registered dietitians). Careers include managerial positions for practising dietitians, and careers in nutrition programs, government, and industry.

***section 2.11.6.6: Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Dietetics Credentialing (83 credits)***

The M.Sc. Applied program in Dietetics Credentialing is a course-based master's program with a dietetics *Stage* (internship) included. At the end of the program, students are qualified to be licensed with one of the provincial regulatory bodies in Canada, as well as in other countries, and practise in the areas of clinical nutrition, community nutrition, and foodservice management; French competency is an asset. The program is preceded by a Qualifying year, if necessary, to complete certain courses required for licensure. This is followed by three semesters of graduate-level courses and three semesters of *Stage*, which include a practice-based graduate project.

***section 2.11.6.9: Doctor of Philosophy (Ph.D.) Human Nutrition***

A Ph.D. degree in Human Nutrition is suitable for students with an M.Sc. degree in Nutritional Sciences or related areas who wish to become independent researchers and/or leaders in the field of nutritional sciences. The School offers a stimulating research environment with opportunities in a wide range of areas of basic science, clinical research with our many hospital clinicians, as well as population health in Canada and abroad. Careers include academic, senior government, and industry positions within Canada and internationally.

***section 2.11.6.10: Graduate Diploma (Gr. Dip.) Registered Dietitian Credentialing (30 credits)***

In the School of Human Nutrition at McGill, students pursuing a Ph.D. in human nutrition have the opportunity to apply to our Graduate Diploma in R.D. Credentialing, upon completion of the Ph.D. program and upon completion of the undergraduate courses required by *l'Ordr*

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

#### 2.11.6.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Final acceptance to the M.Sc. (Thesis) and Ph.D. programs depends on a faculty member agreeing to serve as the student's supervisor. A supervisor is not required for acceptance to the M.Sc. (Applied) program.
- Graduate Record Exam (GRE) – The GRE is required for all Ph.D. applicants to the School of Human Nutrition who are submitting non-Canadian transcripts.

#### 2.11.6.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Human Nutrition and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates	Application Deadlines
	Canadian citizens/Perm. residents of    Current McGill Students (any citizenship)

### Assistant Professors

Anne-Sophie Brazeau; B.Sc., Ph.D.(Montr.), P. Dt.(OPDQ) (*Director, Dietetics Education and Practice*)

Daiva Nielsen; B.Sc., Ph.D.(Tor.)

### Senior Faculty Lecturers

Sandy Phillips; B.Sc., M.Sc.(A.)(McG.), Dt. P. (*University Coordinator, Professional Practice (Stage) in Dietetics*)

Maureen Rose; B.Sc., M.Ed., Ph.D.(McG.), Dt. P. (*Director, Food and Nutrition Laboratories*)

### Faculty Lecturers

Paul-Guy Duhamel; B.Sc.(McG.), M.Sc.(Montr.), Dt. P. (*Manager, Food and Nutrition Laboratories*)

Mary Hendrickson; B.A.(St. Benedict), B.Sc.(Minn.), M.Sc.(Colo. St.), Dt. P.

Hugues Plourde; B.Sc.(McG.), M.Sc., Ph.D.(Montr.), Dt. P.

Joane Routhier; B.Sc.(McG.)

### Sessional Lecturers

Peter Bender (PT); B.Ed., M.A.(McG.), Ph.D.(Flor. St.)

Francesca Cambria; B.Com., Gr.Dip(C'dia)

Michele Iskandar; B.Sc.(Nutr.), M.Sc.(Nutr.)(Amer. U. Beirut), Ph.D.(McG.)

Steven Landry (PT); B.Com., B.Ed., M.B.A.(McG.)

Dina Spigelski; B.A., B.Sc.(Nutr. Sc.), M.Sc.(McG.)

### Associate Members

*Anaesthesia:* Franco Carli, Ralph Lattermann, Thomas Schricker

*Food Science & Agricultural Chemistry:* Stephane Bayen

*Kinesiology:* Ross Andersen

*Medicine:* Louis Beaumier, L. John Hoffer, Larry Lands, Errol B. Marliss, José Morais, Jean-François Yale

*Natural Resource Sciences:* Sebastien Faucher

*Parasitology:* Marilyn E. Scott

### Adjunct Professor

Kevin A. Cockell; B.Sc., Ph.D.(Guelph) (*Health Canada*)

#### 2.11.6.5 Master of Science (M.Sc.) Human Nutrition (Thesis) (45 credits)

##### Thesis Courses (33 credits)

NUTR 680	(7)	Human Nutrition M.Sc. Thesis 1
NUTR 681	(8)	Human Nutrition M.Sc. Thesis 2
NUTR 682	(9)	Human Nutrition M.Sc. Thesis 3
NUTR 683	(9)	Human Nutrition M.Sc. Thesis 4

##### Required Courses (3 credits)



EDPC 504	(3)	Practicum: Interviewing Skills
EDPE 502	(3)	Theories of Human Development
FDSC 537	(3)	Nutraceutical Chemistry
FDSC 538	(3)	Food Science in Perspective
FDSC 545	(3)	Advances in Food Microbiology
NUTR 502	(3)	Independent Study 2
NUTR 512	(3)	Herbs, Foods and Phytochemicals
NUTR 551	(3)	Analysis of Nutrition Data
NUTR 608	(3)	Special Topics 1
NUTR 610	(3)	Maternal and Child Nutrition
NUTR 641	(3)	Advanced Global Food Security

**Elective Cour**

**Required Courses (6 credits)**

NUTR 651	(3)	M.Sc. (Applied) Nutrition 1
NUTR 660	(1)	M.Sc. (Applied) Nutrition 2
NUTR 695	(1)	Human Nutrition Research Orientation
NUTR 696	(1)	Human Nutrition Seminar

**Complementary Courses (18 credits)**

3 credits of 500-level or higher Statistics.

3 credits in research methods at the 500 level or higher

12 credits of course work, at the 500 level or higher, in Nutrition, Animal Science, or Food Science chosen in consultation with the student's supervisor.

**Elective Courses (9 credits)**

9 credits of 500-level or higher courses in consultation with the student's academic adviser or supervisor.

**2.11.6.9 Doctor of Philosophy (Ph.D.) Human Nutrition****Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses**

NUTR 695	(1)	Human Nutrition Research Orientation
NUTR 701	(0)	Doctoral Comprehensive Examination
NUTR 796	(1)	PhD Research Presentation

**2.11.6.10 Graduate Diploma (Gr. Dip.) Registered Dietitian Credentialing (30 credits)**

The Graduate Diploma is open to students who have completed a graduate degree with the School of Human Nutrition including NUTR 513 Credentialing in Dietetics.

**Required Courses (30 credits)**

NUTR 612	(8)	Graduate Professional Practice 2 Management
NUTR 613	(14)	Graduate Professional Practice 3 Clinical Nutrition
NUTR 614	(8)	Graduate Professional Practice 4 Community Nutrition

**2.11.7 Natural Resource Sciences****2.11.7.1 Location**

Department of Natural Resource Sciences  
McGill University, Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue QC H9X 3V9  
Canada  
Telephone: 514-398-7838  
Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
Website: [www.mcgill.ca/nrs](http://www.mcgill.ca/nrs)

### 2.11.7.2 About Natural Resource Sciences

The Department of Natural Resource Sciences offers programs leading to **M.Sc.** and **Ph.D.** degrees in:

- Agricultural Economics (M.Sc. only)
- Entomology (Environment and Neotropical Environment options available)
- Microbiology (Bioinformatics and Environment options available)
- Renewable Resources (this includes Forest Science, Micrometeorology, Soil Science, and Wildlife Biology; Environment and Neotropical Environment options available)

An **interdisciplinary** option in Bioinformatics for doctoral students in Microbiology is also available.

The Department possesses, or has access to, excellent facilities for laboratory and field research. Affiliated with the Department are the [Lyman Entomological Museum and Research Laboratory](#), the [Molson Nature Reserve](#), the [Morgan Arboretum](#), and the [Ecomuseum](#) of the [St. Lawrence Valley Natural History Society](#); details are available on the [Natural Resource Sciences website](#).

#### Master of Science Degrees

##### *section 2.11.7.5: Master of Science (M.Sc.) Agricultural Economics (Thesis) (46 credits)*

This program provides students with applied economic concepts and tools to identify, define, and analyze economic problems affecting the performance of the agri-food sector and the environment. The ideal prior preparation is an undergraduate degree in Agricultural Economics or Economics, including undergraduate courses in intermediate economic theory (micro and macro), calculus, algebra, statistics, and econometrics.

Attention is given to the development of analytical skills in the broad areas of agricultural, environmental, and ecological economics. Students may specialize, by way of their research program, in agribusiness, development, finance, marketing and trade, policy, and resource economics. The program prepares graduates for rewarding careers in research, analysis, and decision-making in academia, private and NGO sectors, and government.

##### *section 2.11.7.6: Master of Science (M.Sc.) Entomology (Thesis) (45 credits)*

Graduate students in the entomology program work within, and often across, multiple disciplines of basic and applied environmental sciences. Specialties within the program include terrestrial arthropod ecology, physiology, zoogeography, diversity, and systematics. Our students typically have exceptionally strong backgrounds in one or more of these specialties and an interest in research that advances both theory and applied management of ecosystems. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

##### *section 2.11.7.7: Master of Science (M.Sc.) Entomology (Thesis): Environment (46 credits)*

Please contact the Department for more information about this program.

##### *section 2.11.7.8: Master of Science (M.Sc.) Entomology (Thesis): Neotropical Environment (48 credits)*

Please contact the Department for more information about this program.

##### *section 2.11.7.9: Master of Science (M.Sc.) Microbiology (Thesis) (45 credits)*

Graduate students in the microbiology program work within, and often across, multiple disciplines of basic and applied environmental sciences. Specialties within the program range from the study of microbial diversity in extreme environments, either natural or man-induced, to the role of microbes in managed terrestrial arthropod

***section 2.11.7.12: Master of Science (M.Sc.) Renewable Resources (Thesis): Environment (46 credits)***

Please contact the Department for more information about this program.

***section 2.11.7.13: Master of Science (M.Sc.) Renewable Resources (Thesis): Neotropical Environment (48 credits)***

Please contact the Department for more information about this program.

***section 2.11.7.14: Master of Science (M.Sc.) Renewable Resources (Non-Thesis): Environmental Assessment (45 credits)***

*This program is currently not offered.*

**Ph.D. Degrees in Entomology, Microbiology, or Renewable Resources (Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology)*****section 2.11.7.15: Doctor of Philosophy (Ph.D.) Entomology***

Graduate students in the entomology program work within, and often across, multiple disciplines of basic and applied environmental sciences. Specialties within the program include terrestrial arthropod ecology, physiology, zoogeography, diversity, and systematics. Our students typically have exceptionally strong backgrounds in one or more of these specialties and an interest in research that advances both theory and applied management of ecosystems. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

***section 2.11.7.16: Doctor of Philosophy (Ph.D.) Entomology: Environment***

Please contact the Department for more information about this program.

***section 2.11.7.17: Doctor of Philosophy (Ph.D.) Entomology: Neotropical Environment***

Please contact the Department for more information about this program.

***section 2.11.7.18: Doctor of Philosophy (Ph.D.) Microbiology***

Graduate students in the microbiology program work within, and often across, multiple disciplines of basic and applied environmental sciences. Specialties within the program range from the study of microbial diversity in extreme environments, either natural or man-induced, to the role of microbes in managed ecosystems, such as in agriculture and forests. Our students typically have exceptionally strong backgrounds in one or more of these specialties and an interest in research that advances our fundamental knowledge about microorganisms and leads to improved efficiencies of our managed ecosystems. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

***section 2.11.7.19: Doctor of Philosophy (Ph.D.) Microbiology: Bioinformatics***

Please contact the Department for more information about this program.

***section 2.11.7.20: Doctor of Philosophy (Ph.D.) Microbiology: Environment***

Please contact the Department for more information about this program.

***section 2.11.7.21: Doctor of Philosophy (Ph.D.) Renewable Resources***

Graduate students in the renewable resources program work within, and often across, multiple disciplines of basic and applied environmental sciences. Specialties within the program include environmental and ecological economics, environmental health and toxicology, forest ecology, fish and fisheries biology, landscape ecology, limnology, micrometeorology, soil science, and wildlife biology. They typically have exceptionally strong backgrounds in one or more of these specialties and an interest in research that advances both theory and applied management of natural resources. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

***section 2.11.7.22: Doctor of Philosophy (Ph.D.) Renewable Resources: Environment***

Please contact the Department for more information about this program.

***section 2.11.7.23: Doctor of Philosophy (Ph.D.) Renewable Resources: Neotropical Environment***

Please contact the Department for more information about this program.



### **2.11.7.3 Natural Resource Science Admission Requirements and Application Procedures**

#### **2.11.7.3.1 Admission Requirements**

##### **M.Sc. Thesis (Agricultural Economics)**

Direct admission to the M.Sc. requires the completion of a B.Sc. in Agricultural Economics or a closely related area, with the minimum equivalent cumulative grade point average (CGPA) of 3.0/4.0 (second class–upper division) or minimum grade point average (GPA) of 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

The ideal preparation includes courses in agricultural economics, economic theory (intermediate micro and macro), calculus, linear algebra, and statistics. Students with deficiencies in these areas will be required to take additional courses as part of their degree program.

##### **M.Sc. Thesis (Entomology, Microbiology, Renewable Resources)**

Candidates are required to have a bachelor's degree with a minimum equivalent CGPA of 3.0/4.0 (second class–upper division) or a minimum GPA of 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

##### **M.Sc. in Renewable Resources (Non-Thesis) – Environmental Assessment Option**

Applications are not being accepted for the current academic year; the program is currently under review.

##### **Ph.D. Thesis (Entomology, Microbiology, Renewable Resources)**

Candidates are normally required to hold an M.Sc. degree and will be judged primarily on their ability to conduct an original and independent research study.

##### **Qualifying Program**

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 Graduate and Postdoctoral Studies 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 graduate studies, **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.**

##### **Financial Aid**

Financial aid is available but limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application. Normally, a student will not be accepted unless adequate financial support can be provided through a scholarship/award and/or by the student's supervisor. Academic units cannot guarantee financial support via teaching assistantships.

#### **2.11.7.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

##### **2.11.7.3.2.1 Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- Acceptance to all programs normally depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support.
- The GRE – not required, but highly recommended.

#### **2.11.7.3.3 Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Natural Resource Sciences and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/gr](http://www.mcgill.ca/gps/contact/gr)

#### 2.11.7.4 Natural Resource Sciences Faculty

##### Chair

Brian Driscoll

##### Graduate Program Director

Benoît Côté

##### Program Director - Agricultural Economics

Paul J. Thomassin

##### Emeritus Professors

David M. Bird; B.Sc.(Guelph), M.Sc., Ph.D.(McG.) – *Wildlife Biology*

William H. Hendershot; B.Sc.(Tor.), M.Sc.(McG.), Ph.D.(Br. Col.) – *Soil Science*

Edmund S. Idziak; B.Sc.(Agr.), M.Sc.(McG.), D.Sc.(Delft) – *Microbiology*

Angus F. MacKenzie; B.S.A., M.Sc.(Sask.), Ph.D.(Cornell) – *Soil Science*

Peter H. Schuepp; Dipl.Sc.Nat.(Zür.), Ph.D.(Tor.) – *Agricultural Physics*

Robin K. Stewart; B.Sc.(Agr.), Ph.D.(Glas.) – *Entomology*

##### Professors

Peter Brown; B.A.(Haver.), M.A., Ph.D.(Col.) (*joint appt. with Geography and McGill School of Environment*) – *Environmental Policy and Ethics*

James W. Fyles; B.Sc., M.Sc.(Vic., BC), Ph.D.(Alta.) (*Tomlinson Chair in Forest Ecology*) – *Forest Resources*

Joann Whalen; B.Sc.(Agr.)(Dal.), M.Sc.(McG.), Ph.D.(Ohio St.) – *Soil Science (William Dawson Scholar)*

Lyle G. Whyte; B.Sc.(Regina), Ph.D.(Wat.) – *Microbiology*

##### Associate Professors

Niladri Basu; B.Sc.(Qu.), M.Sc.(Br. Col.), Ph.D.(McG.) (*Canada Research Chair*) (*joint appt. with School of Human Nutrition*) – *Ecotoxi Chair in F*

#### **Associate Member**

David Green (*Redpath Museum*)

#### **Adjunct Professors**

Asim Biswas

Doug Crump

Kimberly Fernie

Charles W. Greer

Suren Kulshreshtha

Baoluo Ma

Christopher Solomon

#### **Affiliate Member**

Geoffrey Sunahara

#### **2.11.7.5 Master of Science (M.Sc.) Agricultural Economics (Thesis) (46 credits)**

Students may specialize, by way of their research program, in agri-business, development, finance, marketing and trade, policy, and resource and ecologicamnVn.1 Tf1 (

MGSC 679 (3) Applied Deterministic Optimization

9 credits, three 3-credit courses at the 500, 600, or 700 level, at least one of which must be in Agricultural Economics, chosen in consultation with the Agricultural Economics Adviser.

#### **2.11.7.6 Master of Science (M.Sc.) Entomology (Thesis) (45 credits)**

##### **Thesis Courses (36 credits)**

NRSC 691 (12) M.Sc. Thesis Research 1  
NRSC 692 (12) M.Sc. Thesis Research 2  
NRSC 693 (12) M.Sc. Thesis Research 3

##### **Required Courses (3 credits)**

NRSC 643 (1) Graduate Seminar 1  
NRSC 644 (1) Graduate Seminar 2  
NRSC 651 (1) Graduate Seminar 3

##### **Complementary Courses (6 credits)**

Two 3-credit courses at the 500, 600, or 700 level; normally one of these will be a course in statistics.

#### **2.11.7.7 Master of Science (M.Sc.) Entomology (Thesis): Environment (46 credits)**

##### **Thesis Courses (36 credits)**

NRSC 691 (12) M.Sc. Thesis Research 1  
NRSC 692 (12) M.Sc. Thesis Research 2  
NRSC 693 (12) M.Sc. Thesis Research 3

##### **Required Courses (7 credits)**

ENVR 610 (3) Foundations of Environmental Policy  
ENVR 650 (1) Environmental Seminar 1  
ENVR 651 (1) Environmental Seminar 2  
ENVR 652 (1) Environmental Seminar 3  
NRSC 651 (1) Graduate Seminar 3

##### **Complementary Courses (3 credits)**

One of the following courses:

ENVR 519 (3) Global Environmental Politics  
ENVR 544 (3) Environmental Measurement and Modelling  
ENVR 620 (3) Environment and Health of Species  
ENVR 622 (3) Sustainable Landscapes  
ENVR 630 (3) Civilization and Environment  
ENVR 680 (3) Topics in Environment 4

or another 500-, 600-, or 700-level course recommended by the Advisory Committee and approved by the Environment Option Committee.

**2.11.7.8 Master of Science (M.Sc.) Entomology (Thesis): Neotropical Environment (48 credits)****Thesis Courses (36 credits)**

NRSC 691	(12)	M.Sc. Thesis Research 1
NRSC 692	(12)	M.Sc. Thesis Research 2
NRSC 693	(12)	M.Sc. Thesis Research 3

**Required Courses (9 credits)**

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
NRSC 643	(1)	Graduate Seminar 1
NRSC 644	(1)	Graduate Seminar 2
NRSC 651	(1)	Graduate Seminar 3

Note: Participation in the MSE-Panama Symposium presentation in Montreal is also required.

**Elective Courses (3 credits)**

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

**2.11.7.9 Master of Science (M.Sc.) Microbiology (Thesis) (45 credits)****Thesis Courses (36 credits)**

NRSC 691	(12)	M.Sc. Thesis Research 1
NRSC 692	(12)	M.Sc. Thesis Research 2
NRSC 693	(12)	M.Sc. Thesis Research 3

**Required Courses (3 credits)**

NRSC 643	(1)	Graduate Seminar 1
NRSC 644	(1)	Graduate Seminar 2
NRSC 651	(1)	Graduate Seminar 3

**Complementary Courses (6 credits)**

Two 3-credit 500-, 600-, or 700-level courses; normally one of these will be a course in statistics.

**2.11.7.10 Master of Science (M.Sc.) Microbiology (Thesis): Environment (46 credits)****Thesis Courses (36 credits)**

NRSC 691	(12)	M.Sc. Thesis Research 1
NRSC 692	(12)	M.Sc. Thesis Research 2
NRSC 693	(12)	M.Sc. Thesis Research 3

**Required Courses (7 credits)**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2

ENVR 652	(1)	Environmental Seminar 3
NRSC 651	(1)	Graduate Seminar 3

**Complementary Course (3 credits)**

One of the following courses:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another 500-, 600-, or 700-level course recommended by the Advisory Committee and approved by the Environment Option Committee.

**2.11.7.11 Master of Science (M.Sc.) Renewable Resources (Thesis) (45 credits)**

Includes Micrometeorology, Forest Science, Soil Science and Wildlife Biology as areas of research.

**Thesis Courses (36 credits)**

NRSC 691	(12)	M.Sc. Thesis Research 1
NRSC 692	(12)	M.Sc. Thesis Research 2
NRSC 693	(12)	M.Sc. Thesis Research 3

**Required Courses (3 credits)**

NRSC 643	(1)	Graduate Seminar 1
NRSC 644	(1)	Graduate Seminar 2
NRSC 651	(1)	Graduate Seminar 3

**Complementary Courses (6 credits)**

Two 3-credit courses at the 500 level or higher recommended by the supervisory committee; one of which must be in quantitative methods/techniques.

**2.11.7.12 Master of Science (M.Sc.) Renewable Resources (Thesis): Environment (46 credits)**

**Thesis Courses (33 credits)**

NRSC 691	(12)	M.Sc. Thesis Research 1
NRSC 692	(12)	M.Sc. Thesis Research 2
NRSC 694	(9)	M.Sc. Thesis Research 4

**Required Courses (7 credits)**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
	(1)	Environmental Seminar 2

3 credits, one of the follo

**Required Courses (15 credits)**

NRSC 610	(3)	Advanced Environmental Assessment
NRSC 611	(3)	Environmental Assessment Knowledge Base
NRSC 612	(3)	Environmental Assessment and Sustainable Development
NRSC 613	(3)	Strategic and Sectoral Environmental Assessment
NRSC 614	(3)	Meeting Environmental Assessment Regulations

**Complementary Courses (6 credits)**

500- or 600-level relevant courses to be chosen in consultation with the Supervisor and Program Director.

**2.11.7.15 Doctor of Philosophy (Ph.D.) Entomology**



Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

### Complementary Courses

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another 500-, 600-, or 700-level course recommended by the Advisory Committee and approved by the Environment Option Committee.

### 2.11.7.17 Doctor of Philosophy (Ph.D.) Entomology: Neotropical Environment

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 751	(0)	Graduate Seminar 4
NRSC 752	(0)	Graduate Seminar 5
NRSC 753	(0)	Graduate Seminar 6
NRSC 754	(0)	Graduate Seminar 7

Note: Participation in the MSE-Panama Symposium presentation in Montreal is also required.

#### Elective Courses

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

### 2.11.7.18 Doctor of Philosophy (Ph.D.) Microbiology

Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology.

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses

NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 751	(0)	Graduate Seminar 4
NRSC 752	(0)	Graduate Seminar 5

NRSC 753	(0)	Graduate Seminar 6
NRSC 754	(0)	Graduate Seminar 7

### **Coursework**

Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

### **Doctor of Philosophy (Ph.D)**

NRSC 754 (0) Graduate Seminar 7

### **Coursework**

Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

### **Complementary Courses**

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another 500-, 600-, or 700-level course recommended by the Advisory Committee and approved by the Environment Option Committee.

### **2.11.7.21 Doctor of Philosophy (Ph.D.) Renewable Resources**

Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology.

### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline. It must show

ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 754	(0)	Graduate Seminar 7

### Coursework

Course requirements are specified by the staff in the discipline but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

### Complementary Courses

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or other graduate course recommended by the Advisory Committee and approved by the Environment Option Committee.

### 2.11.7.23 Doctor of Philosophy (Ph.D.) Renewable Resources: Neotropical Environment

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 751	(0)	Graduate Seminar 4
NRSC 750 0 1 221.949 518.701	(0)	Graduate Seminar 5

Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue QC H9X 3V9  
Canada  
Telephone: 514-398-7838  
Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
Website: [www.mcgill.ca/parasitology](http://www.mcgill.ca/parasitology)

### **2.11.8.2 About Parasitology**

The Institute of Parasitology offers **M.Sc.** and **Ph.D.** thesis research degrees in Parasitology and non-thesis **Graduate Certificate** and **M.Sc. (Applied)** degrees in Biotechnology (Information on the Biotechnology programs is found in the [section 2.11.4: Biotechnology](#) section). For the Ph.D. program, it is possible to add a Bioinformatics or Environment 0 1 op). .1 0 0 1 67.52 596.606 04(The Institute of P)Tj1 0 0 1 123.872 616.606 04(The itology and teacs )

### **2.11.8.3 Parasitology Admission Requirements and Application Procedures**

#### **2.11.8.3.1 Admission Requirements**

Candidates for either the M.Sc. or the Ph.D. thesis research degree should possess a bachelor's degree in the biological or medical sciences with a minimum cumulative grade point average (CGPA) of 3.2/4.0 (second class–upper division). High grades are expected in courses considered by the academic unit to be preparatory to the graduate program. Previous experience in parasitology is not essential.

#### **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 Graduate and Postdoctoral Studies 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 graduate studies, **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.**

#### **Financial Support**

**Financial support is very limited and highly competitiv**

**2.11.8.4 Parasitology Faculty****Director**

Timothy G. Geary

**Professors**

Timothy G. Geary; B.Sc.(Notre Dame), Ph.D.(Mich.) (*Canada Research Chair in Parasite Biotechnology*)

Roger Prichard; B.Sc., Ph.D.(NSW) (*James McGill Professor*)

Marilyn Scott; B.Sc.(New Br.), Ph.D.(McG.)

**Associate Professors**

Robin N. Beech; B.Sc.(Nott.), Ph.D.(Edin.)

Elias Georges; B.Sc., Ph.D.(McG.)

Armando Jardim; B.Sc., Ph.D.(Vic., BC)

Petra Rohrbach; B.Sc.(McG.), Ph.D.(Heidel.)

Reza Salavati; B.A., M.A.(Calif. St.), Ph.D.(Wesl.)

**Assistant Professors**

Jerry Aldridge; B.Sc.(Lenoir-Rhyne), Ph.D.(Wake Forest)

Jianguo Xia; B.Sc.(Peking), M.Sc., Ph.D.(Alta.) (*Canada Research Chair in Bioinformatics and Big Data Analytics*)

**Associate Members**

Gregory J. Matlashewski; B.Sc.(C'dia), Ph.D.(Ott.)

Momar Ndao; B.Sc., DVM(Dakar), M.Sc., Ph.D.(IMFA, Belgium)

Martin Olivier; B.Sc., M.Sc.(Montr.), Ph.D.(McG.)

Mary Stevenson; B.A.(Hood Coll.), M.Sc., Ph.D.(CUA)

Brian Ward; M.Sc.(Oxf.), M.D.,C.M.(McG.), DTM&H(Lond.)

**Adjunct Professors**

Boakye Boatin; M.D.(Ghana), M.Sc.(Liv.), M.Phil.(Lond.)

Sean Forrester; B.Sc.(Cape Breton), M.Sc.(Lake.), Ph.D.(McG.)

Tatiana Scorza Dagert; B.Sc.(Los Andes, Venezuela), M.Sc., Ph.D.(Vrije, Belgium)

Traian Sulea; M.Sc.(Polytechnic, Timi oara), Ph.D.(West, Timi oara)

Karine Thivierge; B.Sc.(Laval), M.Sc., Ph.D.(McG.)

**2.11.8.5 Master of Science (M.Sc.) Parasitology (Thesis) (45 credits)****Thesis Courses (35 credits)**

PARA 687	(10)	Thesis Research 1
PARA 688	(10)	Thesis Research 2
PARA 689	(12)	Thesis Research 3

**Required Courses (10 credits)**

PARA 606	(2)	Parasitology Seminar
PARA 607	(2)	Parasitology Research Seminar
PARA 635	(3)	Cell Biology and Infection
PARA 655	(3)	Host-Parasite Interactions

Other course work in related subjects may be required, depending upon the candidate's background and research orientation.

#### 2.11.8.6 Doctor of Philosophy (Ph.D.) Parasitology

##### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

##### Required Courses (10 credits)

PARA 635	(3)	Cell Biology and Infection
PARA 655	(3)	Host-Parasite Interactions
PARA 701	(0)	PhD Comprehensive Exam
PARA 710	(2)	Parasitology Ph.D. Seminar 1
PARA 711	(2)	Parasitology Ph.D. Seminar 2

\* Note: In the first year of the doctoral program, the candidates must successfully complete a written thesis proposal and make an oral presentation on their proposed research to fulfil PARA 700, the comprehensive component.

Depending upon the candidate's background, other course work may be required.

#### 2.11.8.7 Doctor of Philosophy (Ph.D.) Parasitology: Bioinformatics

##### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

##### Required Courses (13 credits)

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PARA 635	(3)	Cell Biology and Infection
PARA 655	(3)	Host-Parasite Interactions
PARA 701	(0)	PhD Comprehensive Exam
PARA 710	(2)	Parasitology Ph.D. Seminar 1
PARA 711	(2)	Parasitology Ph.D. Seminar 2

##### Complementary Courses (6 credits)

6 credits chosen from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

Additional courses at the 5he d.86c.864 253ro.422 Tm(P)Tjy(3)



**2.11.8.8 Doctor of Philosophy (Ph.D.) Parasitology: Environment****Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses (14 credits)**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
PARA 701	(0)	PhD Comprehensive Exam
PARA 710	(2)	Parasitology Ph.D. Seminar 1
PARA 711	(2)	Parasitology Ph.D. Seminar 2

**Complementary Courses (6 credits)**

One of the following courses:

PARA 635	(3)	Cell Biology and Infection
PARA 655	(3)	Host-Parasite Interactions

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

Or another graduate course recommended by the Advisory Committee and approved by the Environment Option Committee.

**2.11.9 Plant Science****2.11.9.1 Location**

Department of Plant Science  
 Macdonald Campus  
 21,111 Lakeshore Road  
 Sainte-Anne-de-Bellevue QC H9X 3V9  
 Canada  
 Telephone: 514-398-7838  
 Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
 Website: [www.mcgill.ca/plant](http://www.mcgill.ca/plant)

**2.11.9.2 About Plant Science**

The Department offers an M.Sc. and a Ph.D. in Plant Science with options in Bioinformatics, Environment, or Neotropical Environment, and provides for study in all fields of plant science. Research facilities—both field and laboratory—are available for investigations in plant breeding, crop physiology, crop

management, crop quality, plant ecology, the epidemiology and biology of plant diseases, epigenetics, biosystematics, recombinant DNA technology, mycology, weed biology, tissue culture, plant biochemistry, and bioinformatics. Facilities include:

- Horticultural Research Centre;
- Emile A. Lods Agronomy Research Centre;
- greenhouses;
- growth cabinets;
- McGill University Herbarium;
- CT Scanning laboratory;
- Level 2 Quarantine Facility.

An advisory committee is named for each student and has the responsibility of developing the program of study appropriate to the student's background and area of specialization.

*section 2.11.9.5*

#### ***section 2.11.9.12: Doctor of Philosophy (Ph.D.) Plant Science: Environment***

This Ph.D. in Plant Science requires approximately three years for completion. Overall, the program consists of seminars and a research project leading to a thesis. Students must also complete a comprehensive examination within their first year of study. The research project is defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector. This Environment graduate option has an added emphasis on environmental sciences, including additional courses and seminars. It is aimed at students who wish to take an interdisciplinary approach in their graduate research on environmental issues and who wish to benefit from interactions with students from a wide range of disciplines.

#### ***section 2.11.9.13: Doctor of Philosophy (Ph.D.) Plant Science: Neotropical Environment***

This Ph.D. in Plant Science requires approximately three years for completion. Overall, the program consists of seminars and a research project leading to a thesis. Students must also complete a comprehensive examination within their first year of study. The research project is defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector. This option has an added emphasis on neotropical environments, including additional courses and seminars. Part of the program takes place in Panama.

#### ***section 2.11.9.14: Graduate Certificate (Gr. Cert.) Bioinformatics (15 credits)***

The Graduate Certificate in Bioinformatics is a new cross-disciplinary program that teaches students the foundations of bioinformatics thinking, methodology, and applications through hands-on experience with computers and bioinformatics tools. The program introduces students to many areas of application such as medicine, agriculture, and chemistry. Required courses include basic UNIX skills, genomics data, common bioinformatics software, relational databases, and web resources. The Certificate is completed in one term (Winter term **only**) after which graduates may go on to pursue successful careers in the biomedical, biotechnology, and biosciences fields.

### **2.11.9.3 Plant Science Admission Requirements and Application Procedures**

#### **2.11.9.3.1 Admission Requirements**

##### **General**

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

##### **Ph.D.**

Ph.D. candidates are required to have an M.Sc. degree in an area related to the chosen field of specialization for the Ph.D. program. Outstanding M.Sc. students may be permitted to transfer to the second year of the Ph.D. program following one year of study.

##### **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 Graduate and Postdoctoral Studies 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 graduate studies, 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.

##### **Financial Aid**

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

#### **2.11.9.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

##### **2.11.9.3.2.1 Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- Acceptance to all programs depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support.
- The GRE – not required, but highly recommended.

#### **2.11.9.3.3 Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Plant Science and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).



**2.11.9.5 Master of Science (M.Sc.) Plant Science (Thesis) (45 credits)****Thesis Courses (39 credits)**

PLNT 664	(12)	M.Sc. Thesis 1
PLNT 665	(12)	M.Sc. Thesis 2
PLNT 666	(15)	M.Sc. Thesis 3

**Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
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**Complementary Courses (6 credits)**

Two graduate-level courses

Additional courses may be required at the discretion of the candidate's supervisory committee.

**2.11.9.6 Master of Science (M.Sc.) Plant Science (Thesis): Bioinformatics (48 credits)****Thesis Courses (39 credits)**

PLNT 664	(12)	M.Sc. Thesis 1
PLNT 665	(12)	M.Sc. Thesis 2
PLNT 666	(15)	M.Sc. Thesis 3

**Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
----------	-----	--------------------------------------

**Required Courses (3 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PLNT 691	(0)	Research Horizons in Plant Science 2

**Complementary Courses (6 credits)**

Chosen from the following:

BINF 511	(3)	Bioinformatics for Genomics
BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

Additional courses at the 500 or 600 level may be required at the discretion of the candidate's advisory committee.

**2.11.9.7 Master of Science (M.Sc.) Plant Science (Thesis): Environment (48 credits)****Thesis Courses (39 credits)**

PLNT 664	(12)	M.Sc. Thesis 1
PLNT 665	(12)	M.Sc. Thesis 2
PLNT 666	(15)	M.Sc. Thesis 3

**Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
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**Required Courses (6 credits)**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3

**Complementary Courses (3 credits)**

Chosen from one of the following courses:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or other graduate course recommended by the Advisory Committee and approved by the Environment Option Committee.

Additional courses may be required at the discretion of the candidate's Supervisory Committee.

**2.11.9.8 Master of Science (M.Sc.) Plant Science (Thesis): Neotropical Environment (48 credits)**

Candidates must participate in the STRI seminar series when in residence in Panama, and in the MSE-Panama Symposium Presentation in Montreal.

**Thesis Courses (39 credits)**

PLNT 664	(12)	M.Sc. Thesis 1
PLNT 665	(12)	M.Sc. Thesis 2
PLNT 666	(15)	M.Sc. Thesis 3

**Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
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**Required Courses (6 credits)**

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy

**Elective Courses (3 credits)**

3 credits at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

Additional courses may be required at the discretion of the candidate's supervisory committee.

#### **2.11.9.9 Master of Science, Applied (M.Sc.A.) Plant Science (Non-Thesis) (45 credits)**

N.B. this program is under revision. Please contact Ms. Carolyn Bowes for information.

#### **2.11.9.10 Doctor of Philosophy (Ph.D.) Plant Science**

Students who have taken their M.Sc. degree at McGill University will be required to spend one term in study at another research institution.

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### **Required Invitational Seminar**

PLNT 690                      (0)                      Research Horizons in Plant Science 1

#### **Required Courses**

\* Must be taken within one year of registering

Doctoral Comprehensiv

BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

Additional courses at the 500 or 600 level may be required at the discretion of the candidate's advisory committee.

#### **2.11.9.12 Doctor of Philosophy (Ph.D.) Plant Science: Environment**

##### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

##### **Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
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##### **Required Courses (6 credits)**

\* Must be taken within the first year of registering

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
PLNT 701*	(0)	Doctoral Comprehensive Examination

##### **Coursework**

Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

##### **Complementary Courses (3 credits)**

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or other graduate course recommended by the Advisory Committee and approved by the Environment Option Committee.

#### **2.11.9.13 Doctor of Philosophy (Ph.D.) Plant Science: Neotropical Environment**

Students who have taken their M.Sc. degree at McGill University will be required to spend one term in study at another research institution.

The required thesis for this Ph.D. degree must display original scholarship expressed in proper literate style and must be a distinct contribution to knowledge.

Candidates must participate in the STRI seminar series when in residence in Panama, and in the MSE-Panama Symposium Presentation in Montreal.



**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
----------	-----	--------------------------------------

**Required Courses (6 credits)**

\* Must be taken within one year of registering.

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
PLNT 701*	(0)	Doctoral Comprehensive Examination

**Elective Courses (3 credits)**

3 credits at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

**2.11.9.14 Graduate Certificate (Gr. Cert.) Bioinformatics (15 credits)****Required Courses (9 credits)**

BINF 511	(3)	Bioinformatics for Genomics
BINF 660	(3)	Advances in Bioinformatics
BTEC 555	(3)	Structural Bioinformatics

**Complementary Courses (6 credits)**

6 credits from the following:

ANSC 565	(3)	Applied Information Systems
BMDE 652	(3)	Bioinformatics: Proteomics
COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
COMP 616N1	(1.5)	Bioinformatics Seminar
COMP 616N2	(1.5)	Bioinformatics Seminar
COMP 618	(3)	Bioinformatics: Functional Genomics
GLIS 673	(3)	Bioinformatics Resources
HGEN 663	(3)	Beyond the Human Genome

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## 3 Faculty of Arts

### 3.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 9,000 graduate students in over 400 programs. *GPS* is here to support you from admissions through to graduation and beyond. We take a holistic approach to graduate student success; we support not only your academic development, but also your career-planning and professional development, and your well-being and student life. I invite you to consult the website *Resources for Your Success*, which is a one-stop-shop for the many resources and support systems in place for you across the University.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*  
*Dean, Graduate and Postdoctoral Studies*

---

## 3.2 Graduate and Postdoctoral Studies

### 3.2.1 Administrative Officers

#### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)	<b>Dean (Graduate and Postdoctoral Studies)</b>
Robin Beech; B.Sc.(Nott.), Ph.D.(Edin.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
France Bouthillier; B.Ed., C.Admin.(UQAM), M.B.S.I.(Montr.), Ph.D.(Tor.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Jean-Jacques Lebrun; B.Sc.(La Roche-sur-Yon), M.Sc.(Rennes), Ph.D.(Paris V)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Elisa Pylkkanen; B.A., M.A.(McG.)	<b>Director (Graduate and Postdoctoral Studies)</b>

### 3.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal QC H3A 0G4  
Website: [www.mcgill.ca/gps](http://www.mcgill.ca/gps)

**Note:** For inquiries reg

- Master's Degrees
- Doctoral Degrees
- Ad Personam Programs (Thesis Option Only)
- Coursework for Graduate Programs, Diplomas, and Certificates

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### **3.6 Graduate Admissions and Application Procedures**

Please refer to [University Regulations & Resources](#) > *Graduate* > [section 1.4: Graduate Admissions and Application Procedures](#) for information on:

- Application for Admission
- Admission Requirements
- Application Procedures
- Competency in English

and other important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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### **3.7 Fellowships, Awards, and Assistantships**

Please refer to [University Regulations & Resources](#) > *Graduate* > [section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.





**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

**General Conditions**

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diploma
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The indi

### **3.11.1 Anthropology**

#### **3.11.1.1 Location**

Department of Anthropology  
Stephen Leacock Building  
855 Sherbrooke Street West, Room 712  
Montreal QC H3A 2T7  
Canada  
Telephone: 514-398-4300  
Fax: 514-398-7476  
Email: [gradprogram.anthropology@mcgill.ca](mailto:gradprogram.anthropology@mcgill.ca)  
Website: [www.mcgill.ca/anthropology](http://www.mcgill.ca/anthropology)

#### **3.11.1.2 About Anthropology**

Our Department places high priority on research and on maintaining a distinguished graduate program. Each year, we admit only a small number of very highly qualified applicants for studies leading to the **M.A.** and **Ph.D.** degrees in Anthropology. Thus, our students benefit from close supervision by their committees and from high-quality peer exchange. By maintaining a high staff, at

### *section 3.11.1.11: Doctor of Philosophy (Ph.D.) Anthropology: Neotropical Environment*

The Ph.D. program in Neotropical Environment (NEO) is a specialized, interdisciplinary program made possible by collaborating institutions in Canada, Panama, and the United States. Students will complete their research in Latin America, and NEO's core and complementary courses will be taught in Panama. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the neotropics and Latin American countries. Students work under the supervision of researchers from McGill and/or the *Smithsonian Tropical Research Institute* (STRI). This is a research-based option for Ph.D. students in the departments of Anthropology, Biology, Bioresource Engineering, Geography, Natural Resource Sciences, Plant Science, and Political Science at McGill University.

#### **3.11.1.3 Anthropology Admission Requirements and Application Procedures**

##### **3.11.1.3.1 Admission Requirements**

Our Department places high priority on research and on maintaining a distinguished graduate program. Each year, we admit only a small number of very highly qualified applicants for studies leading to the M.A. and Ph.D. degrees in Anthropology.

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), a minimum *T*



Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.



**Note:** The Department Admissions Committee announces its selections by mid-March and the end of April.

#### 3.11.1.4 Anthropology Faculty

##### Chair

Setrag Manoukian

##### Professors

Colin A. Chapman; B.Sc., M.A., Ph.D.(Alta.) (*joint appt. with McGill School of Environment*) (*Canada Research Chair*)

John Galaty; B.A.(Trin. Coll., Hartford), M.A., Ph.D.(Chic.)

Ronald W. Niezen; B.A.(Br. Col.), M.Phil., Ph.D.(Camb.) (*Canada Research Chair*) (*Katharine A. Pearson Chair in Civil Society and Public Policy*) (*joint appt. with Faculty of Law*)

Allan Young; B.A.(Penn.), M.A.(Wash.), Ph.D.(Penn.) (*joint appt. with Social Studies of Medicine*)

##### Associate Professors

Gwen Bennett; B.A.(N'western), M.A., Ph.D.(Calif.-LA) (*joint appt. with East Asian Studies*)

Nicole Couture; B.A.(Trent), M.A., Ph.D.(Chic.)

Sandra T. Hyde; B.A.(Calif.-Santa Cruz), M.P.H.(Hawaii), Ph.D.(Calif., Berk.)

Eduardo O. Kohn; B.A.(Oberlin), M.A., Ph.D.(Wisc.-Madison)

Setrag Manoukian; B.A.(U. di Venezia), M.A., Ph.D.(Mich.) (*joint appt. with Institute of Islamic Studies*)

Kristin Norget; B.A.(Vic., BC), M.Phil., D.Phil.(Camb.)

James M. Savelle; B.Sc., M.Sc.(Ott.), M.A.(Ark.), Ph.D.(Alta.)

Colin H. Scott; B.A.(Regina), M.A., Ph.D.(McG.)

Lisa Ste



ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

## 9 credits from:

ANTH 513	(3)	The Poetry of Anthropology
ANTH 551	(3)	Advanced Topics: Archaeological Research
ANTH 555	(3)	Advanced Topics in Ethnology
ANTH 602	(3)	Theory 1
ANTH 603	(3)	Theory 2
ANTH 607D1	(3)	Proseminar in Archaeology
ANTH 607D2	(3)	Proseminar in Archaeology
ANTH 609D1	(3)	Proseminar in Anthropology
ANTH 609D2	(3)	Proseminar in Anthropology
ANTH 610	(3)	Social Organization
ANTH 611	(3)	Research Design
ANTH 614	(3)	Economic Anthropology 1
ANTH 615	(3)	Seminar in Medical Anthropology
ANTH 616	(3)	Political Anthropology 1
ANTH 631	(3)	Symbolic Anthropology 1
ANTH 634	(3)	Anthropology of Development 1
ANTH 635	(3)	Anthropology of Development 2
ANTH 640	(3)	Psychological Anthropology 1
ANTH 648	(3)	Structural Anthropology
ANTH 660	(3)	Research Methods
ANTH 670	(3)	Archaeological Theory 1
ANTH 671	(3)	Archaeological Theory 2
ANTH 673	(3)	Archaeological Field Methods
ANTH 680	(3)	Tutorial Reading 1
ANTH 681	(3)	Tutorial Reading 2
ANTH 682	(3)	Tutorial Reading 3
ANTH 684	(3)	Tutorial Reading 5
ANTH 702	(3)	PhD Proposal Defence
ANTH 760	(3)	Advanced Anthropological Methods
ANTH 770	(3)	Advanced Archaeological Theory
ANTH 780	(3)	Reading and Research 1
ANTH 781	(3)	Reading and Research 2

or another 500-, 600-, or 700-level course recommended by the Advisory Committee and approved by the Environment Option Committee.

### 3.11.1.8 Master of Arts (M.A.) Anthropology (Thesis): Gender and Women's Studies (48 credits)

This is an interdisciplinary program for students who meet the degree requirements in Anthropology, who wish to focus on gender and women's studies, and issues in feminist research and methods. The thesis must be on a topic centrally related to gender and/or women's studies.

#### Thesis Courses (36 credits)

ANTH 694	(6)	M.A. Thesis Tutorial 1
ANTH 695	(6)	M.A. Thesis Tutorial 2
ANTH 699	(24)	M.A. Thesis

#### Required Course (3 credits)

WMST 601	(3)	Feminist Theories and Methods
----------	-----	-------------------------------

#### Complementary Courses (9 credits)

6 credits of coursework in Anthropology at the 600 level.

3 credits of coursework at the M.A. level relating to gender/women's studies, which may be taken outside the Department

OR

ANTH 615	(3)	Seminar in Medical Anthropology
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### 3.11.1.9 Master of Arts (M.A.) Medical Anthropology (Thesis) (48 credits)

This program is open to students with backgrounds in the social sciences, the medical professions, or the medical sciences. The M.A. degree is awarded by the Anthropology Department and admission is granted by a joint admissions committee made up of representatives from Anthropology and the Department of Social Studies of Medicine.

#### Thesis Courses (36 credits)

ANTH 694	(6)	M.A. Thesis Tutorial 1
ANTH 695	(6)	M.A. Thesis Tutorial 2
ANTH 699	(24)	M.A. Thesis

#### Required Courses (6 credits)

ANTH 615	(3)	Seminar in Medical Anthropology
HSSM 605	(3)	Medical Anthropology

#### Complementary Courses (6 credits)

Two Anthropology courses at the 500, 600, or 700 level.

### 3.11.1.10 Doctor of Philosophy (Ph.D.) Anthropology

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous w

ANTH 609D1	(3)	Proseminar in Anthropology
ANTH 609D2	(3)	Proseminar in Anthropology
ANTH 701	(0)	PhD Comprehensive Examination
ANTH 702	(0)	PhD Proposal Defence

Note: ANTH 602 and ANTH 603 should be taken in the first year of the program.

### **Complementary Courses (12 credits)**

12 credits at the 500 and 600 level selected from courses within and/or outside the Department relevant to the student's research area in consultation with the student's supervisor and advisory committee.

A maximum of 6 credits can be taken from other programs with approval of the supervisor and GPD.

### **Elective Courses (0-24 credits)**

A maximum of 24 credits at the 500 level or higher can be taken inside or outside the Department (e.g., language training, methodological training, history or regional studies courses).

### **Language Requirement**

A language e

### **Elective Courses (0-24 credits)**

A maximum of 24 credits at the 500 level or higher can be taken inside or outside the Department (e.g., language training, methodological training, history or regional studies courses).

### **Language Requirement**

A language examination, normally French, must be passed before an oral examination of the research proposal may be scheduled. Francophone students can satisfy the language requirement by demonstrating competency in English. The purpose of the language requirement is to ensure that the student has access to anthropological literature in at least two languages. Under special circumstances, a language other than English or French may be substituted, provided that there is sufficient anthropological literature on the student's research topic in that language.

The Ethics application and the language exam must be submitted before the proposal defence. They can be submitted at any point during PhD2 and PhD3 (before the date of the proposal defence is chosen.)

If admitted to Ph.D. 1.

In addition to the above requirements, 15 credits from courses at the 500 level or higher within and/or outside of the Department relevant to the student's research area in consultation with the student's supervisor and/or PhD committee.

**Revision, June 2018. End of revision.**

## **3.11.2 Art History**

### **3.11.2.1 Location**

Department of Art History and Communication Studies  
Arts Building, Room 270-A  
853 Sherbrooke Street West  
Montreal QC H3A 0G5  
Canada  
T

galleries (such as feminist arts spaces *La Centrale Galerie Powerhouse* and Studio XX). There are also university-based venues such as the Redpath Museum on campus and the McCord Museum of Canadian History (which houses the McGill University Archiv

to contact a potential supervisor well in advance of submitting the application in order to establish a relationship. Applicants who have not vetted their research proposal (application statement) with a potential supervisor are unlikely to be admitted.

### 3.11.2.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

For any admissions problems, please contact Maureen Coote, the Graduate Administrative Coordinator:

Office: Arts W235

Telephone: 514-398-4933

Email: [graduate.ahcs@mcgill.ca](mailto:graduate.ahcs@mcgill.ca)

#### 3.11.2.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Writing Sample (in English or French)
- Research Proposal



**Note:** The section of the application marked “Statement of Purpose” is not strictly required unless the applicant has specific items to remark on his/her candidacy that are not addressed in the research proposal.

#### 3.11.2.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Art History and Communication Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in adv



### **Emeritus and Retired Professors**

George Szanto; B.A.(Dart.), Ph.D.(Harv.) (*Emeritus*)

### **Professors**

Charmaine Nelson; B.F.A., M.A.(C'dia), Ph.D.(Manc.)

Christine Ross; M.A.(C'dia), Ph.D.(Paris I)

Jonathan Sterne; B.A.(Minn.), M.A., Ph.D.(Ill.-Urbana-Champaign)

Will Straw; B.A.(Car.), M.A., Ph.D.(McG.)

Angela Vanhaelen; B.A.(W. Ont.), M.A., Ph.D.(Br. Col.)

### **Associate Professors**

Darin Barney; B.A., M.A.(S. Fa.A.,ser7583.827 lhf9 725.5yAi8.678574.08 Tm(yr)Tj1 0 0 1 8224980574.08 Tm(y))Tj1 0 0 1 70.52 658.43 Tm(JoennTj1 0 0 1 86524 6

ARTH 645	(3)	Medieval Art and Archaeology
ARTH 646	(3)	Topics: Chinese Visual Culture
ARTH 647	(3)	Topics: Renaissance Art & Architecture 1
ARTH 648	(3)	Topics: Renaissance Art & Architecture 2
ARTH 653	(3)	Topics: Early Modern Visual Culture 1
ARTH 654	(3)	Topics: Early Modern Visual Culture 2
ARTH 660	(3)	Contemporary Art & Criticism 1
ARTH 661	(3)	Contemporary Art & Criticism 2
ARTH 673	(3)	Topics: 18th - Century Art & Architecture 1
ARTH 675	(3)	Topics: 19th - Century Art & Architecture 1
ARTH 678	(3)	Topics: 19th - Century Art & Architecture 2
ARTH 714	(3)	Directed Reading 2
ARTH 715	(3)	Research: Modern Architecture - 1750 to Present 1
ARTH 724	(3)	Art Criticism 2
ARTH 725	(3)	Methods in Art History 1
ARTH 730	(3)	Current Problems in Art History 1
ARTH 731	(3)	Current Problems in Art History 2

### **3.11.2.6 Master of Arts (M.A.) Art History (Thesis): Gender and Women's Studies (45 credits)**

The M.A. in Art History; Thesis option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Art History and who wish to earn 6 credits of appro

The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses (3 credits)**

ARTH 600	(3)	Advanced Professional Seminar
ARTH 701	(0)	Ph.D. Comprehensive Examination

**Complementary Courses (12 credits)**

Four courses chosen from the following:

ARTH 714	(3)	Directed Reading 2
ARTH 715	(3)	Research: Modern Architecture - 1750 to Present 1
AR	(3)	Seminar in Urban Planning and Topography 3

### **3.11.3 Classics**

See [section 3.11.10: History and Classical Studies](#).

### **3.11.4 Communication Studies**

#### **3.11.4.1 Location**

Department of Art History and Communication Studies  
Arts Building, Room 270-A  
853 Sherbrooke Street West  
Montreal QC H3A 0G5  
Canada  
Telephone: 514-398-2850  
Fax: 514-398-8557  
Email: [graduate.ahcs@mcgill.ca](mailto:graduate.ahcs@mcgill.ca)  
Website: [www.mcgill.ca/ahcs](http://www.mcgill.ca/ahcs)

#### **3.11.4.2 About Communication Studies**

**section 3.11.4.6: Master of Arts (M.A.) Communication Studies (Thesis): Gender and Women's Studies (45 credits)**

an ideal foundation for more in-depth study of, and research in, feminist scholarship. The thesis must be on a topic centrally related to gender and/or women's studies.

**section 3.11.4.7: Doctor of Philosophy (Ph.D.) Communication Studies**

The Ph.D. in Communication Studies offers in-depth training in the critical, historical, and theoretical analysis of communication in culture, communication technology, and communication policy. Doctoral students pursue coursework, submit a comprehensive exam and thesis proposal, with the goal of writing a dissertation that makes an original contribution to knowledge in Communication Studies. The Ph.D. degree is academic in character and does not include professional training in media production.

**section 3.11.4.8: Doctor of Philosophy (Ph.D.) Communication Studies: Gender and Women's Studies**

The graduate option in Gender and Women's Studies (GWS) provides graduate students obtaining degrees in a variety of participating departments and faculties with a cross-disciplinary specialization in feminist, women's, and gender studies. Students who pursue this option obtain a graduate degree in their own department as well as an "option/concentration" in GWS. Thus, the graduate option in Gender and Women's Studies will appear on a student's transcript along with the Ph.D.

The option was developed by the Women's Studies program in response to needs expressed by the *Graduate Group for Feminist Scholarship* (GGFS) and to the range of inquiries the Women's Studies program regularly receives from potential students interested in graduate-level work with a feminist focus at McGill University. There are no prerequisites to enter into the option. However, undergraduate or graduate courses in gender or women's studies provide an ideal foundation for more in-depth study of, and research in, feminist scholarship.

**3.11.4.3 Communication Studies Admission Requirements and Application Procedures**

**3.11.4.3.1 Admission Requirements**

**M.A.**

An honours bachelor's degree or equivalent is preferred for applicants to the M.A. program, with a minimum CGPA of 3.3 out of 4.0, or equivalent, i.e., B+ (75%). In any case, the transcript must show breadth or depth in related areas of study.

**Ph.D.**

Applicants to the Ph.D. program are expected to have completed the equivalent of an M.A. degree. Admission will be based on academic achievement and evidence of talent and strong motivation in Communication Studies.

**3.11.4.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Applications will be considered until the deadline of January 15.

Inquiries regarding the program should be addressed to the [Graduate Administrative Coordinator](#), Department of Art History and Communication Studies.

**3.11.4.3.2.1 Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- Research Proposal – at least 500 words
- Written Work – two examples of academic writing

**3.11.4.3.3 Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Art History and Communication Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**Note:** There are no W

#### **3.11.4.7 Doctor of Philosophy (Ph.D.) Communication Studies**

Candidates with an M.A. degree will be admitted at the Ph.D. 2 level, thereby gaining credit for one year of resident study. When admitted at Ph.D. 2 level, two years of residence are required for the doctoral degree.

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate hostrate ho

### **3.11.5 East Asian Studies**

#### **3.11.5.1 Location**

Department of East Asian Studies  
688 Sherbrooke Street West, Room 425  
Montreal QC H3A 3R1  
Canada  
Telephone: 514-398-3650  
Email: [asian.studies@mcgill.ca](mailto:asian.studies@mcgill.ca)  
Website: [www.mcgill.ca/eas](http://www.mcgill.ca/eas)

#### **3.11.5.2 About East Asian Studies**

The Department of East Asian Studies is committed to offering a rigorous, innovative, and interdisciplinary environment in which students learn a variety of critical and historical approaches to the study of East Asian arts, cultures, histories, languages, literatures, media, and social practices. The research expertise of our faculty members spans a wide range of disciplinary backgrounds including:

- anthropology;
- archaeology;
- art history;
- ethnic studies;
- film and media studies;
- gender and women's studies;
- history and literature;
- religion both institutional and popular.

The unique curriculum of East Asian Studies allo



International English Language Testing System (*IELTS*) examination, for which the minimum score is an overall band score of 6.5 (academic module). For the TOEFL and GRE, you must indicate the McGill University institution code: 0935.

#### M.A.

Applicants must hold, or expect to hold by September of the year of entry, a bachelor's degree in East Asian Studies or a related field. Applicants are expected to have proficiency in the East Asian language(s) most useful for the proposed graduate work (preferably three years or more of coursework, or equivalent).

#### Ph.D.

Applicants must hold, or expect to hold by September of the year of entry, a master's degree in East Asian Studies or a related field.

#### 3.11.5.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

##### 3.11.5.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae;
- Research Proposal – approximately 500 words for master's and five pages for Ph.D. applicants. A description of the proposed research project, with brief bibliography, should be included in the Research Proposal;
- Writing Sample;
- GRE – required for applicants who have not studied at a Canadian university.

##### 3.11.5.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of East Asian Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Jan. 6	Jan. 6	Jan. 6
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

#### 3.11.5.4 East Asian Studies Faculty

##### Chair

R. Philip Buckley; Ph.D.(Louvain)

##### Director, Undergraduate Studies

Michelle Cho

##### Director, Graduate Program

Yuriko Furuhashi

##### Emeritus Professor

Kenneth Dean; B.A.(Brown), M.A., Ph.D.(Stan.)

##### Professors

Grace S. Fong; B.A., M.A.(Tor.), Ph.D.(Br. Col.)

Thomas LaMarre; B.A.(G'town), M.A., Ph.D.(Chic.), D.Sc.(Aix-Marseille II)

Robin D.S. Yates; B.A., M.A.(Oxf.), M.A.(Calif.), Ph.D.(Harv.) (*joint appt. with History*)

**Associate Professors**

Gwen Bennett; B.A.(N'Western), M.A., Ph.D.(Calif.-LA)

Yuriko Furuhashi; B.A.(Int'l. Christian), M.A.(N. Mexico), Ph.D.(Brown)

Jeehee Hong; B.A., M.A.(Yonsei), M.A., Ph.D.(Chic.)

Adrienne Hurley; B.A.(Col.), M.A.(Mich.), Ph.D.(Calif.) (*on leave*)

**Assistant Professors**

Michelle Cho; B.A.(N'western), M.A., Ph.D.(Calif., Irvine)

Gal Gvili; B.A., M.A.(Hebrew), Ph.D.(Col.)

Xiao Liu; B.A.(Beijing, Second Foreign), M.A.(Tsinghua), Ph.D.(Calif., Berk.)

Gavin Walker; B.A., M.A.(Penn.), Ph.D.(Cornell) (*joint appt. with History*)

**Faculty Lecturers**

Jennie Chang, Tomoko Ikeda, Myung Hee Kim, Yasuko Senoo, Miwako Uesaka, Bill Wang

**Associate Members**

Lara Braitstein (*Religious Studies*)

Christopher Green (*Economics*)

Sandra Teresa Hyde (*Anthropology*)

Erik Kuhonta (*Political Science*)

John Kurien (*Economics*)

Catherine Lu (*Political Science*)

Lorenz Lüthi (*History*)

Junko Shimoyama (*Linguistics*)

Sarah Turner (*Geography*)

Juan Wang (*Political Science*)

**3.11.5.5 Master of Arts (M.A.) East Asian Studies (Thesis) (Ad Hoc) (45 credits)**

The Department only offers a thesis option. The M.A. program with thesis includes:

- a) four 3-credit graduate courses (12 credits);
- b) one graduate 3-credit seminar in theory/methodology (3 credits);
- c) one graduate 6-credit seminar or two graduate 3-credit seminars (6 credits); and
- d) thesis (24 credits).

Language Courses:

1. A maximum of 6 credits of language courses at the 500 level or in a classical Asian language may be counted toward course requirements.
2. Students must have fourth-level language equivalency by the completion of their M.A. program.

**3.11.5.6 Doctor of Philosophy (Ph.D.) East Asian Studies (Ad Hoc)**

The Graduate Studies Committee will assign an advisory committee to advise the student and specify the student's program of study.

Exceptional students with appropriate background at the undergraduate level may be admitted directly into the Ph.D. program.

Students must complete at least 24 course credits, with a grade point average of 3.5 or better; this coursework must be chosen to identify three distinct fields for the Comprehensive Evaluation. Students may take up to two 3-credit courses or one 6-credit course in another department with the approval of the Graduate Program Director.

There are four requirements for obtaining the doctoral degree:

1. Coursework – 24 credits at the 600 or 700 level with a grade point average of 3.5 or better. On the basis of this coursework, the student should identify three distinct fields for the Comprehensive Evaluation. Students may take up to 6 credits in another department with the approval of the Graduate Program Director.

2. Language – Candidates will be required to demonstrate reading knowledge of a second Asian language, which may include either modern or literary (classical) language, in addition to the primary Asian language of their research. Candidates will also be expected to demonstrate reading knowledge of both French and English.

3. Ph.D. Comprehensive Evaluation – The student is required to pass the Comprehensive Evaluation within one year after completing coursework. Exceptions have to be approved by the Graduate Program Director.

4. Doctoral Dissertation – A thesis proposal (15-25 pages) should be submitted within six months after successful completion of the Ph.D. Comprehensive Evaluation, after consultation with the Graduate Program Director and the thesis supervisor. Before submission of the dissertation, candidates are expected to spend time in Asia researching their project.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## 3.11.6 Economics

### 3.11.6.1 Location

Department of Economics  
 Stephen Leacock Building, Room 443  
 855 Sherbrooke Street West  
 Montreal QC H3A 2T7  
 Canada  
 Telephone: 514-398-3030  
 Email: [graduate.economics@mcgill.ca](mailto:graduate.economics@mcgill.ca)  
 Website: [www.mcgill.ca/economics](http://www.mcgill.ca/economics)

### 3.11.6.2 About Economics

The Department of Economics offers **M.A.** and **Ph.D.** programs that attract students from all over the world. Faculty members conduct research in numerous areas of economics, with particularly strong representation in the fields of econometrics, empirical microeconomics including development, and natural resources. The Department counts among its members two holders of a Canada Research Chair, two James McGill Professors, one William Dawson Scholar, an Officer of the Order of Canada (who is also a Bank of Canada Research Fellow), two Fellows of the Royal Society of Canada, and one Endowed Chair.

Lectures and examinations in the graduate program (M.A. and Ph.D.) in Economics are given in the core areas of:

- macroeconomics;
- microeconomics;
- econometrics;

and several fields including:

- economic development;
- financial econometrics;
- industrial organization;
- health economics;
- international economics;
- labour economics;
- monetary economics;
- mathematical economics; and
- advanced theory.

#### *section 3.11.6.5: Master of Arts (M.A.) Economics (Thesis) (48 credits)*

*This program is currently not offered.*

The Master of Arts program in Economics (Thesis) serves students preparing for a Ph.D. in Economics. For students who wish to complement disciplinary training in Economics with research experience in applying statistical methods across the social sciences, the Department offers the Social Statistics Option.

*section 3.11.6.6: Master of Arts (M.A.) Economics (Non-Thesis) (45 credits)*

The Master of Arts program in Economics (Non-Thesis) serves students seeking to solidify and deepen their understanding of economics prior to a career in government or the private non-academic sector, and those preparing for a Ph.D. in Economics. For students who wish to complement disciplinary training in Economics with research experience in applying statistical methods across the social sciences, the Department offers the Social Statistics Option.

*section 3.11.6.7: Master of Arts (M.A.) Economics (Non-Thesis): Development Studies (45 credits)*

For those students interested in the interdisciplinary study of devNon-Themthosrwmocf0 0 1 rg0 is): Dev

Information can be accessed on the Economics Department website at [www.mcgill.ca/economics](http://www.mcgill.ca/economics).

### 3.11.6.3.3 Additional Requirements

- GRE – mandatory if your education was interrupted or you do not have a degree in Economics from a Canadian university
- Personal Statement

### 3.11.6.3.4 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Economics Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

### 3.11.6.4 Economics Faculty

#### Chair

John W. Galbraith

#### Emeritus Professors

Antal Deutsch; B.Com.(Sir G. Wms.), Ph.D.(McG.)

George Grantham; B.A.(Antioch), Ph.D.(Yale)

Joseph Greenber

### Associate Professors

Daniel Barczyk; B.Com., M.A.(Tor.), Ph.D.(NYU)

Matthieu Chemin; M.Sc. Eng.(Centrale Paris), M.Sc., Ph.D.(LSE)

James Engle-Warnick; B.S.E.E.(Akron), M.B.A.(Carnegie), Ph.D.(Pitts.)

Franque Grimard; B.A.(York), Ph.D.(Princ.)

John C. Kurien; B.A.(Kerala), M.A., Ph.D.(Vanderbilt)

Fabian Lange; B.Sc.(LSE), Ph.D.(Chic.) (*Canada Research Chair Tier 2*)

Sonia Laszlo; B.A.(Ott.), M.A.(W. Ont.), Ph.D.(Tor.)

Markus Poschke; M.Sc.(Maastricht), M.A.(Sciences Po, Paris), M.Res., Ph.D.(European University Institute, Italy) (*William Dawson Scholar*)

Christopher T.S. Ragan; B.A.(Vic., BC), M.A.(Qu.), Ph.D.(MIT)

Erin Strumpf; B.A.(Smith), Ph.D.(Harv.)

Thomas Velk; M.S., Ph.D.(Wisc.)

William Watson; B.A.(McG.), Ph.D.(Yale)

Licun Xue; B.Eng., M.Eng.(Tianjin), M.A., Ph.D.(McG.)

### Assistant Professors

Francesco Amodio; B.Sc.(Siena); M.Sc.(Barcelona GSE), Ph.D.(Pompeu Fabra)

**Complementary Courses (12 credits)**

Note: ECON 662D1/D2 or equivalent is strongly recommended but will not meet the 6-credit field requirement for the M.A.

ECON 662D1	(3)	Econometrics
ECON 662D2	(3)	Econometrics
ECON 665	(3)	Quantitative Methods

A minimum of 6 credits must be taken in the same field.

**3.11.6.6 Master of Arts (M.A.) Economics (Non-Thesis) (45 credits)****Research Project (18 credits)**

ECON 650	(3)	Research 1
ECON 651	(3)	Research 2
ECON 680	(3)	M.A. Report 1
ECON 681	(3)	M.A. Report 2
ECON 682	(3)	M.A. Report 3
ECON 683	(3)	M.A. Report 4

**Required Courses (9 credits)**

ECON 610	(3)	Microeconomic Theory 1
ECON 620	(3)	Macroeconomic Theory 1
ECON 654	(3)	Research Methods in Economics

**Complementary Courses (18 credits)**

Must include either:

ECON 662D1	(3)	Econometrics
ECON 662D2	(3)	Econometrics
ECON 665	(3)	Quantitative Methods

Note: ECON 662D1/D2 or equivalent is strongly recommended but will not meet the 6-credit field requirement for the M.A.

Additional courses, at the 500, 600, or 700 level, as determined by the student's area of study.

**3.11.6.7 Master of Arts (M.A.) Economics (Non-Thesis): Development Studies (45 credits)****Research Project (18 credits)**

ECON 650	(3)	Research 1
ECON 651	(3)	Research 2
ECON 680	(3)	M.A. Report 1
ECON 681	(3)	M.A. Report 2
ECON 682	(3)	M.A. Report 3
ECON 683	(3)	M.A. Report 4

**Required Courses (15 credits)**

ECON 610	(3)	Microeconomic Theory 1
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ECON 620	(3)	Macroeconomic Theory 1
ECON 634	(3)	Economic Development 3
ECON 734	(3)	Economic Development 4
INTD 657	(3)	Development Studies Seminar

**Complementary Courses (12 credits)**

3 or 6 credits from:

ECON 662D1	(3)	Econometrics
ECON 662D2	(3)	Econometrics
ECON 665	(3)	Quantitative Methods

6 or 9 credits of additional courses, at the 500, 600, or 700 level related to international development studies to be chosen in consultation with an adviser.

**3.11.6.8 Master of Arts (M.A.) Economics (Non-Thesis): Population Dynamics (45 credits)**

The Population Dynamics Option (PDO) is open to M.A. (non-thesis) students in Economics specializing in Population Dynamics. The purpose of this program is to provide graduate training in demographic methods (including life table analyses) and enhance students' knowledge of critical population issues. As such, students will be required to take a course on demographic methods and a course in microeconomic methods relevant for population studies. In addition, students will take one complementary course in Economics, which focuses on a particular population issue such as population health, migration,



ECON 634	(3)	Economic Development 3
ECON 641	(3)	Labour Economics
ECON 734	(3)	Economic Development 4

### **3.11.6.9 Master of Arts (M.A.) Economics (Non-Thesis): Social Statistics (45 credits)**

\*\* This program is currently not offered. \*\*

The program complements disciplinary training with research experience applying statistical methods to Statistics Canada data (or equivalent). Students will normally complete the regular program course requirements, supplemented by further statistical courses, as advised by the option adviser, and subject to approval by the home department.

#### **Research Project (18 credits)**

ECON 650	(3)	Research 1
ECON 651	(3)	Research 2
ECON 680	(3)	M.A. Report 1
ECON 681	(3)	M.A. Report 2

At least 6 of the remaining 12 credits must be in a single field from the choices below:

Advanced Theory

Econometrics

Economic Development

Economic History

Industrial Organization

International Economics

Health Economics

Labour Economics

Monetary Economics

Public Finance

Other field combinations may be considered by the Graduate Program Director as requested.

### 3.11.7 English

#### 3.11.7.1 Location

Department of English  
Arts Building  
853 Sherbrooke Street West, Room 155C  
Montreal QC H3A 0G5  
Canada  
Telephone: 514-398-6564  
Fax: 514-398-8557  
Email: [maria.vasile@mcgill.ca](mailto:maria.vasile@mcgill.ca)  
Website: [www.mcgill.ca/english](http://www.mcgill.ca/english)

#### 3.11.7.2 About English

The Department of English at McGill is unique, in that its program brings together three different but related areas of study: **Literature; Drama and Theatre;** and **Cultural Studies**. Graduate students, key participants in all areas of Department life, have the opportunity to explore aspects of Literature, Cultural Studies, Performance, and Theatre History in their seminar work and research. The Department is home to—or is a principal participant in—a number of major collaborative research projects, including the *Burney Centre*, the *McGill Medievalists*, the *Bibliographic Society of Canada*, and research teams on Shakespeare and Performance, Early Modern Conversations, Interacting with Print, Eating in Canada, and Novelists on the Novel. These research groups and projects are the most visible signs of cross-fertilization among the three areas of the Department's work, and of the Department's prominence in the development of interdisciplinary research and teaching at McGill and in the academy in general.

The English Department offers both **M.A.** and **Ph.D.** degrees. On average, there are 80 graduate students enrolled in the M.A. and Ph.D. programs each year.

The M.A. program admits 25 students each year from around the world. Unlike many other master's programs in English, the McGill M.A. culminates in a major piece of independent research, either a thesis or research paper, which is carried out under the supervision of a faculty member. Approximately half of McGill M.A. graduates go on to Ph.D. programs either at McGill or elsewhere. Other graduates have found employment with foundations, university development offices, publishing houses, consulting firms, and CEGEPs.

The Ph.D. program admits approximately six students each year from around the world. Doctoral students specialize in a broad range of fields within English studies.

All students who apply are considered for financial support, normally in the form of a scholarship that can be supplemented by Teaching or Research Assistantships.

The Department offers two options toward the M.A. degree; one thesis, and the other non-thesis. Both options consist of 48 credits and are designed to be completed in four terms (of 12 credits each). It is rare for any student pursuing the thesis option to complete the degree in less than two years, although some students do complete the research paper option in one year (Fall, Winter, and Summer terms) or in 16 months (Fall, Winter, Summer, and Fall terms).

##### ***section 3.11.7.5: Master of Arts (M.A.) English (Thesis) (48 credits)***

In the thesis option, students must successfully complete Graduate Research Seminar (ENGL 694) and five seminars, and write a thesis of 80–100 pages that adheres to the guidelines set under the thesis regulations of Graduate and Postdoctoral Studies. Students submit a proposal for the thesis to the Graduate

*section 3.11.7.6: Master of Arts (M.A.) English (Non-Thesis) (48 credits)*

In the non-thesis option, students must successfully complete Graduate Research Seminar (ENGL 694) and seven seminars, and write a research paper of 40 pages. Students submit a proposal for the research paper to the Graduate Administration Committee in the Department; the proposal must be approved before students begin to write the research paper. The finished paper is evaluated by the supervisor and a second member of the Department. Although the Non-Thesis (research paper) M.A. is designed to be completed in two years, some students complete the program in one year (Fall, Winter, and Summer terms) or in 16 months (Fall, Winter, Summer, and Fall terms).

*section 3.11.7.7: Doctor of Philosophy (Ph.D.) English*



### Associate Professors

A. Osterweil; B.A., M.A.(NYU), Ph.D.(Calif., Berk.)  
T. Ponech; B.A.(McG.), Ph.D.(N'western)  
M. Popescu; B.A., M.A.(Bucharest), M.A.(Windsor), Ph.D.(Penn.)  
F. Ritchie; B.A., M.A.(Durh.), Ph.D.(Lond.)  
D. Salter; B.A.(Br. Col.), M.A., Ph.D.(Tor.)  
N. Schantz; B.A.(Stan.), M.A., Ph.D.(USC)  
M.W. Selkirk; B.A.(Alta.), M.F.A.(Ill.)  
T. Sparks; B.A.(Bates College), M.A., Ph.D.(Wash.)  
A. Thain; B.A.(McG.), Ph.D.(Duke)  
M. Van Dussen; B.A.(Ohio Wesl.), M.A., Ph.D.(Ohio St.)

### Assistant Professors

S. Banerjee; B.A., M.A.(Jad.), M.Phil.(Oxf.), Ph.D.(Syrac.)  
M. Emre; B.A. (Harvard Coll.); M.A., Ph.D.(Yale)  
E. MacLaren; B.A.(Alta.), M.A.(W. Ont.), Ph.D.(Tor.)  
M. Nicholson; B.A.(Calif., Berk.), Ph.D.(Calif.-LA)  
K. Zien; B.A.(Col.), Ph.D.(N'western)

#### 3.11.7.5 Master of Arts (M.A.) English (Thesis) (48 credits)

##### Thesis Courses (27 credits)

ENGL 695	(3)	M.A. Thesis Preparation
ENGL 699	(24)	M.A. Thesis

##### Required Courses (6 credits)

ENGL 694	(6)	Graduate Research Seminar
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##### Complementary Courses (15 credits)

15 credits of Departmental seminar courses at the 500, 600, or 700 level.

#### 3.11.7.6 Master of Arts (M.A.) English (Non-Thesis) (48 credits)

ResearM.A.) EnglBhEnglish (Th367hP(M.A.) EhP3.) 8.3 Tf1 0s1aj79) Eel.

21 credits of Departmental seminar courses at the 500, 600, or 700 level.

### **3.11.7.7 Doctor of Philosophy (Ph.D.) English**

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to kno

La Commission des admissions du Département peut accorder des dérogations au règlement des inscriptions à la Maîtrise en fonction du dossier de chaque étudiant.

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 des Études supérieures et postdoctorales, 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.

La note de passage est B- (65 %).

#### **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 (FREN 790).

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 comporté 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 du projet de thèse et Examen préliminaire
- 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 ci-dessus).

##### *Ph. D. II:*

Trois séminaires au choix, ainsi que les Séminaires de doctorat 1 et 2 (FREN 710 et FREN 711) qui sont obligatoires.

##### *Ph. D. III :*

Élaboration du sujet de thèse (FREN 706, 0 crédit) et Examen préliminaire (FREN 707, 0 crédit).

Le projet de thèse est soumis au Comité des études de 2e et 3e cycles et de la recherche ; puis l'Examen préliminaire, qui consiste en la rédaction et la défense orale d'un document d'une cinquantaine de pages, a lieu à une date convenue entre les intéressés, devant un jury constitué de trois professeurs (le comité-conseil).

##### *Ph. D. IV Thèse:*

Le comité-conseil, constitué au moment de l'Examen préliminaire, comprend 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 six personnes, présidé par un représentant du Doyen ; font partie du jury : le directeur de thèse, un des deux membres du comité-conseil, un autre professeur du Département, l'évaluateur externe (extérieur à McGill) et le directeur du Département.

#### ***section 3.11.8.5: Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire) (48 crédits)***

Les étudiants inscrits dans nos programmes de maîtrise sont détenteurs d'un baccalauréat avec spécialisation dans la discipline (ou l'équivalent). La maîtrise avec mémoire comprend deux trimestres de séminaires, à l'issue desquels les étudiants déposent un projet de mémoire dans le domaine de leur choix, puis consacrent leur deuxième année de programme à la rédaction du 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 FREN 697) et préparer leur sujet de mémoire (FREN 696 : 6 crédits). Les étudiants inscrits à mi-temps doivent s'inscrire à un minimum de deux séminaires par session.

L'étudiant peut présenter un mémoire de critique littéraire ou un mémoire d'écriture littéraire.

#### ***section 3.11.8.6: Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire): études sur les femmes et le genre (48 crédits)***

L'option en études sur les femmes et le genre (« Graduate Option in Gender and Women's Studies ») est un programme pluridisciplinaire offert aux étudiants qui remplissent en même temps toutes les exigences du programme de maîtrise avec mémoire du Département de langue et littérature françaises. En plus des deux cours obligatoires suivis au Département, les étudiants doivent suivre un cours de 3 crédits réservé aux étudiants de cette option. Parmi les cours au choix, les étudiants doivent suivre deux cours de 3 crédits chacun qui ont été approuvés par l'option et qui portent sur des questions reliées au genre et aux recherches et méthodologies féministes. Leur mémoire doit porter sur un sujet explicitement lié au genre ou aux études sur les femmes.

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 FREN 697) et préparer leur sujet de mémoire (FREN 696 : 6 crédits). Les étudiants inscrits à mi-temps doivent s'inscrire à un minimum de deux séminaires par session.

L'étudiant peut présenter un mémoire de critique littéraire ou un mémoire d'écriture littéraire.



### **section 3.11.8.7: Maîtrise ès arts (M.A.) Langue et littérature françaises (sans mémoire) (48 crédits)**

La maîtrise sans mémoire comprend trois trimestres de séminaires après quoi les étudiants préparent trois travaux de recherche (30 pages chacun) sous la direction de trois professeurs. Parmi les débouchés qui s'offrent aux diplômés, on compte l'enseignement (au niveau collégial) de même que divers métiers liés à la littérature et à la communication écrite (notamment dans le milieu éditorial).

Les trois premières sessions du programme sont consacrées à la scolarité, pour les étudiants inscrits à temps complet ; ils doivent suivre 8 séminaires de trois crédits, soit 4 par session. Les cours FREN 697 et FREN 600 sont obligatoires. Les étudiants inscrits à mi-temps doivent s'inscrire à un minimum de deux séminaires par session.

### **section 3.11.8.8: Doctorat (Ph. D.) Langue et littérature françaises**

Les étudiants inscrits dans notre programme de doctorat sont titulaires d'une maîtrise dans la discipline (ou l'équivalent). Après une scolarité de deux trimestres, ils déposent au cours de la deuxième année leur projet de thèse et disposent d'un an pour préparer un examen préliminaire à la rédaction de leur thèse. L'ensemble du processus prend normalement entre quatre et cinq ans. Un grand nombre de nos diplômés se destinent à une carrière universitaire.

### **section 3.11.8.9: Doctorat (Ph. D.) Langue et littérature françaises: études sur les femmes et le genre**

Pour obtenir de plus amples renseignements, veuillez communiquer avec le Département.

## **3.11.8.3 Conditions d'admission au Département de langue et littérature françaises**

### **3.11.8.3.1 Conditions d'admission**

#### **Propédeutique**

Peuvent être admis en Propédeutique les étudiants titulaires d'un B.A. qui ont une formation partielle en littérature, et qui sont alors tenus de s'inscrire à temps complet à un programme de 8 cours de premier cycle, 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, québécoise ou francophone, ou en traduction (« *Honours* »), ou d'un B.A. avec double spécialisation (« *Joint Honours* ») ou l'équivalent. Le candidat doit également présenter un très bon dossier académique, soit une moyenne d'au moins 75 %; 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 d'un B.A. en littérature française, québécoise ou francophone, ou l'équivalent, avoir obtenu au cours de sa scolarité de maîtrise une moyenne d'au moins 75 %.
2. Présenter un projet de recherche, 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.

### **3.11.8.3.2 Demande d'admission**

Le formulaire de demande d'admission par le web est disponible pour tous les candidats aux études supérieures à l'adresse suivante : [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

Pour connaître les procédures détaillées relatives à l'ensemble des demandes d'admission, consultez [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#).

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**Dates d'ouverture des  
demandes d'admission**

**Dates limites**

**É**

**Professeurs agrégés**

C. Leclerc; M.A.(UQAM), Ph.D.(C'dia)

**Professeur adjoint**

M. Diouf; M.A.(Cheikh Anta Diop), Ph.D.(Laval)

**3.11.8.5 Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire) (48 crédits)****Mémoire (24 crédits)**

FREN 699 (24) M.A. Thesis

**Cours obligatoires (9 crédits)**

FREN 696 (6) Élaboration projet de mémoire  
 FREN 697 (3) Méthodologie et théorie littéraires

**Cours complémentaires (15 crédits)**

5 séminaires; un maximum de 6 crédits peuvent être suivis dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l'annuaire des Études supérieures et postdoctorales, ou dans une autre université.

Les séminaires suivants sont fortement recommandés aux étudiants qui ont l'intention de présenter un mémoire d'écriture littéraire.

FREN 609 (3) Atelier de création littéraire  
 FREN 611 (3) L'expérience littéraire

**3.11.8.6 Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire): études sur les femmes et le genre (48 crédits)****Mémoire (24 crédits)**

FREN 699 (24) M.A. Thesis

**Cours obligatoires (12 crédits)**

FREN 696 (6) Élaboration projet de mémoire  
 FREN 697 (3) Méthodologie et théorie littéraires  
 WMST 601 (3) Feminist Theories and Methods

**Cours complémentaires**

12 crédits au 500 niveau ou plus.

Six crédits de séminaires au choix parmi les séminaires du Département ou à l'extérieur du Département qui ont été approuvés par l'option.

Six crédits de séminaires au choix, dont un peut être suivi à l'extérieur du Département.

**3.11.8.7 Maîtrise ès arts (M.A.) Langue et littérature françaises (sans mémoire) (48 crédits)****Projet de recherche (18 crédits)**

Les étudiants complètent le programme de maîtrise en rédigeant trois travaux de recherche.

FREN 698 (18) Master's Seminar

**Cours obligatoires (6 crédits)**

FREN 600	(3)	Travaux dirigés 1
FREN 697	(3)	Méthodologie et théorie littéraires

### Cours complémentaires (24 crédits)

24 crédits, 8 cours; un maximum de 6 crédits peuvent être suivis dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l'annuaire des Études supérieures et postdoctorales, ou dans une autre université.

### 3.11.8 Ph.D. (60 crédits) La maîtrise en français

#### Thèse

Une thèse de doctorat doit démontrer la maîtrise de la langue française et représenter un apport distinct au savoir. Elle doit témoigner de la connaissance des travaux antérieurs réalisés dans le domaine et montrer la capacité de planifier et d'accomplir la recherche, d'organiser et de défendre la recherche et les conclusions de manière savante. La thèse doit être présentée et soutenue devant un jury composé de spécialistes de la discipline et de membres de la communauté universitaire et savante et de publication dans le domaine public.

#### 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 (FREN 790).

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 comporté 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.

#### Ph. D. II

##### Cours obligatoires (12 crédits)

Trois séminaires au choix, ainsi que les Séminaires de doctorat suivants qui sont obligatoires:

FREN 710	(1.5)	Séminaire de doctorat 1
FREN 711	(1.5)	Séminaire de doctorat 2
FREN 790	(0)	Language Requirement

#### Ph. D. III

##### Cours obligatoires

FREN 706	(0)	Élaboration du sujet de thèse
FREN 707	(0)	Examen préliminaire

Les étudiants de doctorat peuvent obtenir un maximum de 3 crédits en suivant des cours hors du Département, que ce soit à Tj1 0 STj1 0 0 1 67.52 308.733 Tm(Cour)T

## 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 (FREN 790). 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 comporté 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.

### Cours obligatoires (9 crédits)

FREN 710	(1.5)	Séminaire de doctorat 1
FREN 711	(1.5)	Séminaire de doctorat 2
FREN 790	(0)	Language Requirement
WMST 601	(3)	Feminist Theories and Methods

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Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow. Students must pass the courses specified for their program, attend such additional courses as the Chair and the student's thesis supervisor see fit, and submit a thesis in an appropriate area of geographical inquiry approved by the adviser.

### **McGill Northern Research Stations**

The *McGill Sub-Arctic Research Station* is located in Schefferville, in the centre of Quebec-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 Island in the High Arctic. Facilities are limited to a small lab, 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, at [wayne.pollard@mcgill.ca](mailto:wayne.pollard@mcgill.ca).

### **Master of Arts (M.A.) Programs in Geography**

Detailed program requirements for the following M.A. programs are found in [Arts](#) > [Graduate](#) > [Browse Academic Units & Programs](#) > [Geography](#).

#### ***section 3.11.9.5: Master of Arts (M.A.) Geography (Thesis) (45 credits)***

Master's degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research, supervised by a faculty member, culminating in a thesis. The core program consists of the thesis component, required, and complementary graduate (500- or 600-level) courses. Geography also offers a number of M.A. and M.Sc. options in association with other McGill departments and programs that students may choose to follow.

#### ***section 3.11.9.6: Master of Arts (M.A.) Geography (Thesis): Development Studies (45 credits)***

The Development Studies Option (DSO) is cross-disciplinary in scope within existing master's programs in Geography, Anthropology, History, Political Science, Economics, and Sociology. Its components include the thesis; required International Development and Geography courses; and complementary courses from the participating departments. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the DSO coordinating committee.

#### ***section 3.11.9.7: Master of Arts (M.A.) Geography (Thesis): Environment (45 credits)***

The Environment option is of

*section 14.11.6.6: Master of Science (M.Sc.) Geography (Thesis): Environment (45 credits)*

The Environment option is offered in association with the *McGill School of Environment* (MSE) and is composed of a thesis component; required Geography and Environment courses; and complementary Geography and Environment courses. The graduate option in Environment provides students with an appreciation for the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are

Students who have completed a master's degree in Geography or a related discipline (with high standing) may be admitted at the Ph.D. 2 level.

On rare occasions, a student may be admitted to the Ph.D. degree without having first taken the master's degree. These students, 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 fields, which cover a wide range of systematic areas, are listed in documents available from the Department.

### **3.11.9.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Further departmental application information is listed at [www.mcgill.ca/geography/graduate](http://www.mcgill.ca/geography/graduate).

#### **3.11.9.3.2.1 Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- Research Proposal
- Letters of Reference –



**Professors**

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

**Associate Professors**

S. Breau; M.A.(Laval), Ph.D.(Calif.-LA)

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

B. Forest; A.B.(Chic.), Ph.D.(Calif.-LA)

M. Kalacska; Ph.D.(Alta.)

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

B. Lehner; Ph.D.(Frankfurt)

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

N. Oswin; M.A.(Dal.), Ph.D.(Br. Col.)

R. Sengupta; M.Sc., Ph.D.(Ill.) (*joint appt. with McGill School of Environment*)

R. Sieber; M.P.A.(W. Mich.), Ph.D.(Rutg.) (*joint appt. with McGill School of Environment*)

I.B. Strachan; B.Sc.(Tor.), M.Sc., Ph.D.(Qu.) (*cross appt. with Natural Resource Sciences*)

J. Unruh; M.S.(Wisc.), Ph.D.(Ariz.)

**Assistant Professors**

Y. le Polain de Waroux; Ph.D.(Louvain)

G. MacDonald; M.Sc., Ph.D.(McG.)

K. Manaugh; Ph.D.(McG.)

S. Moser; Ph.D.(Sing.)

M. Riva; M.Sc., Ph.D.(Montr.) (*joint appt. with the Institute for Health and Social Policy*)

B. Robinson; Ph.D.(Wisc. Mad.)

**Adjunct Professor**

J. Wu

**3.11.9.5 Master of Arts (M.A.) Geography (Thesis) (45 credits)****Thesis Courses (30 credits)**

GEOG 698	(6)	Thesis Proposal
GEOG 699	(24)	Thesis Research

**Required Courses (3 credits)**

GEOG 631	(3)	Methods of Geographical Research
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**Complementary Courses (12 credits)**

12 credits, four 3-credit courses at the 500 level or above selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

**3.11.9.6 Master of Arts (M.A.) Geography (Thesis): Development Studies (45 credits)**

The Development Studies Option (DSO) is a cross-disciplinary M.A. program offered as an option within existing M.A. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the DSO coordinating committee.

**Thesis Courses (30 credits)**

GEOG 698	(6)	Thesis Proposal
GEOG 699	(24)	Thesis Research

**Required Courses (6 credits)**

GEOG 631	(3)	Methods of Geographical Research
INTD 657	(3)	Development Studies Seminar

**Complementary Courses (9 credits)**

9 credits of courses at the 500 level or higher related to geography and international development studies to be chosen in consultation with an adviser. GEOG 696 can count among these complementary credits for students with an appropriate background.

**3.11.9.7 Master of Arts (M.A.) ~~Geography (Thesis)~~: Environment (45 credits)**

The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9 credits), and complementary Geography and Environment (12 credits) courses.

**Thesis Courses (24 credits)**

GEOG 697	(18)	Thesis Research (Environment Option)
GEOG 698	(6)	Thesis Proposal

**Required Courses (9 credits)**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
GEOG 631	(3)	Methods of Geographical Research

**Complementary Courses (12 credits)**

9 credits of courses at the 500 level or higher selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

3 credits, one course chosen from one of the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species

Note: Candidates for the M.A. degree follow an individual program approved by the Department.

**Thesis Courses (30 credits) 0 0 1 1 Gi.1 Tf1 0 0 12iA sis Cour**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses**

GEOG 631	(3)	Methods of Geographical Research
GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

**Complementary Courses**

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

**3.11.9.11 Doctor of Philosophy (Ph.D.) Geography: Environment**

The option consists of the thesis and comprehensive examination, required courses (9 credits) from Geography and Environment and complementary courses (9 credits) in Environment or other fields recommended by the research committee and approved by the Environment Option Committee.

**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
GEOG 631	(3)	Methods of Geographical Research

**Complementary Courses**

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

**Comprehensives**

GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

**3.11.9.12 Doctor of Philosophy (Ph.D.) Geography: Gender and Women's Studies**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Geography who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses**

GEOG 631	(3)	Methods of Geographical Research
GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

**Complementary Courses**

Two substantive courses.

One of these two courses must be taken within the Department of Geography at the 500 level or above; one of the two courses must be on gender/women's issues at the 500, 600, or 700 level.

**3.11.9.13 Doctor of Philosophy (Ph.D.) Geography: Neotropical Environment**

The Neotropical Option is offered in association with several University departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama) and includes the thesis, comprehensive examination, required courses (9 credits) in Geography, Environment and Biology, and complementary courses (3 credits) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science.

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses**

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
GEOG 631	(3)	Methods of Geographical Research
GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

**Elective Courses**

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

### 3.11.10 History and Classical Studies

#### 3.11.10.1 Location

Department of History and Classical Studies

Stephen Leacock Building, 7th floor

855 Sherbrooke Street West

Montreal QC H3A 2T7

Canada

Telephone: 514-398-2844

Fax: 514-398-7476

Email: [graduate.history@mcgill.ca](mailto:graduate.history@mcgill.ca)

Websites: History – [www.mcgill.ca/history/graduate](http://www.mcgill.ca/history/graduate); Classics – [www.mcgill.ca/classics/graduate-studies](http://www.mcgill.ca/classics/graduate-studies)

#### 3.11.10.2 About History and Classical Studies

The Department of History and Classical Studies has particular strengths in:

- Canadian history;
- British and European history;
- East Asian history;
- the history of medicine;
- the history of science;

and newer fields such as:

- the history of gender and sexuality;
- the history of the Atlantic and Indian Ocean worlds;
- global history.

The Department offers interdisciplinary options in European studies, developmental studies, and women's studies at the M.A. level. Both M.A. and Ph.D. students can also write their thesis or research paper on the History of Medicine. The Department is composed of 39 full-time faculty members as well as a strong complement of visiting professors, faculty lecturers, and postdoctoral fellows. This array of dedicated teachers and scholars supports high-quality instruction and research across the periods of history and regions of the globe. Our professors have won many prizes for their books and articles, and their ongoing investigations are supported by the *Social Sciences and Humanities Research Council of Canada* (SSHRC), the FQRSC, CFI, the Killam Trusts, and the Mellon Foundation. The Department is home to a number of major collaborative research projects, all of which also include students. Among these are the Montreal History Group; the *Indian Ocean World Centre* (IOWC); *Quelques arpents de neige*, an environmental history group; and the French Atlantic History Group.

Classics was among the first disciplines taught at McGill College. Our students benefit from the resources of closely related disciplines and draw on the academic expertise of scholars from various backgrounds. Man

The Development Studies Option De

*section 3.11.10.14: Doctor of Philosophy (Ph.D.) History*

directed by the director of the major field. In all other respects, the same rules will apply to candidates in this area as apply to other Ph.D. students in History.

**Degrees in Classics**

*section 3.11.10.15: Master of Arts (M.A.) Classics (Thesis) (45 credits)*

The M.A. in Classics offers advanced training in the scholarly discipline of classical studies in a variety of fields. The thesis program emphasizes proficiency



### 3.11.10.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of History and Classical Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.



**Note:** Applications for Winter or Summer term admission will not be considered.

### 3.11.10.4 History and Classical Studies Faculty

#### Chair

Prof. Jason Opal

#### Director

Undergraduate Program Director (History): Dr. Jarrett Rudy

Undergraduate Program Director (Classical Studies): Prof. Michael Fronda

#### Emeritus Professors

Myron Echenberg; M.A.(McG.), Ph.D.(Wisc.)

John W. Hellman; B.A.(Marquette), M.A., Ph.D.(Harv.)

Andrée Lévesque; B.A.(Laval), M.A., Ph.D.(Duke)

Michael P. Maxwell; B.A.(Sir G. Wms.), M.A., Ph.D.(McG.)

Carman I. Miller; B.A., B.Ed.(Acad.), M.A.(Dal.), Ph.D.(Lond.)

## Professors

Laila Parsons; B.A.(Exe.), D.Phil.(Oxf.) (*joint appt. with Institute of Islamic Studies*)

Andrea Tone; B.A.(Qu.), M.A., Ph.D.(Emory) (*Canada Research Chair*) (*joint appt. with Social Studies of Medicine*)

Faith Wallis; B.A., M.A.(McG.), Ph.D.(Tor.) (*joint appt. with Social Studies of Medicine*)

David J. Wright; B.A., M.A.(McG.), D.Phil.(Oxf.) (*Canada Research Chair*) (*joint appt. with Institute for Health and Social Policy*)

Robin D.S. Yates; B.A., M.A.(Oxf.), M.A.(Calif.), Ph.D.(Harv.) (*James McGill Professor*) (*joint appt. with East Asian Studies*)

John E. Zucchi; B.A., M.A., Ph.D.(Tor.)

### **3.11.10.5 Master of Arts (M.A.) History (Thesis) (45 credits)**

#### **Thesis Courses (33 credits)**

HIST 696	(9)	Thesis Research 1
HIST 697	(12)	Thesis Research 2
HIST 698	(12)	Thesis Research 3

#### **Complementary Courses (12 credits)**

12 credits at the 500, 600, or 700 level.

No more than 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

### **3.11.10.6 Master of Arts (M.A.) History (Thesis): Development Studies (45 credits)**

The Development Studies Option is a cross-disciplinary M.A. program offered as an option within existing M.A. programs in the Departments of Anthropology, Economics, Geography, History, Political Science, and Sociology. The Department of History and Classical Studies offers the option as either a Thesis or a Non-Thesis program. Both programs are open to M.A. students specializing in development studies. Students will tak

6 credits on European themes and issues;

No more than 3 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**3.11.10.8 Master of Arts (M.A.) History (Thesis): Gender and Women's Studies (45 credits)**

**Thesis Courses (33 credits)**

HIST 696	(9)	Thesis Research 1
HIST 697	(12)	Thesis Research 2
HIST 698	(12)	Thesis Research 3

**Required Courses (3 credits)**

WMST 601	(3)	Feminist Theories and Methods
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**Complementary Courses (9 credits)**

9 credits at the 500 level or higher, selected as follows:

3 credits on gender-related issues;

No more than 3 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**3.11.10.9 Master of Arts (M.A.) History (Non-Thesis) (45 credits)**

**Research Project (15 credits)**

HIST 687	(9)	M.A. Paper 1
HIST 688	(6)	M.A. Paper 2

**Required Courses (12 credits)**

HIST 684	(3)	Research Proposal
HIST 685	(3)	Directed Research
HIST 686	(6)	Bibliography Tutorial

**Complementary Courses (18 credits)**

18 credits at the 500, 600, or 700 level.

No more than 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**3.11.10.10 Master of Arts (M.A.) History (Non-Thesis): Development Studies (45 credits)**

**Research Project (15 credits)**

HIST 687	(9)	M.A. Paper 1
HIST 688	(6)	M.A. Paper 2

**Required Courses (15 credits)**

HIST 684	(3)	Research Proposal
HIST 685	(3)	Directed Research
HIST 686	(6)	Bibliography Tutorial

INTD 657

(3)

Development Studies Seminar

**Complementary Courses (15 credits)**

**3.11.10.13 Master of Arts (M.A.) History of Medicine (Non-Thesis) (45 credits)**

**Research Project (15 credits)**

HIST 687	(9)	M.A. Paper 1
HIST 688	(6)	M.A. Paper 2

**Required Courses (12 credits)**

HIST 684	(3)	Research Proposal
HIST 685	(3)	Directed Research
HIST 686	(6)	Bibliography Tutorial

**3.11.10.15 Master of Arts (M.A.) Classics (Thesis) (45 credits)**

**Thesis Courses (27 credits)**

CLAS 696	(6)	M.A. Thesis Research 1
CLAS 697	(6)	M.A. Thesis Research 2
CLAS 698	(15)	M.A. Thesis Research 3

**Complementary Courses (18 credits)**

18 credits of Classics or Classics-related courses at the graduate level (500 level or higher). A complete list of Classics and Classics-related courses is available on the Classical Studies website: <http://www.mcgill.ca/classics/graduate-studies/courses/>.

At least 6 credits of coursew

### **3.11.11.2 About Information Studies**

The School of Information Studies (SIS) is a dynamic teaching and research unit engaged in the education of information professionals and scholars. The School educates individuals who make a difference in the management and design of information resources, services, and systems, finding better ways to manage, organize, access, disseminate, use, and preserve information and recorded knowledge from a human-centred perspective. As the pioneer school of its kind in Canada, SIS has been offering programs at McGill since 1897, with continuous accreditation of professional programs by the American Library Association (ALA) since 1929.

The School of



***section 3.11.11.9: Graduate Certificate (Gr. Cert.) Information Architecture and Design (15 credits)***

The Graduate Certificate in Information Architecture and Design is designed to equip students and working professionals with specialized training to enrich their current portfolio or to prepare for work in public and private sectors as information architects and information designers. Courses focus on design and assessment of information systems, databases, websites, and interfaces. Techniques for data mining and issues related to information security are also covered. All courses are offered on-site at McGill University. The program may be completed within two academic semesters (Fall/Winter) or to a maximum of three years. Both Fall and Winter entry is offered.

***section 3.11.11.10: Graduate Certificate (Gr. Cert.) Information and Knowledge Management (15 credits)***

The Graduate Certificate in Information and Knowledge Management program is designed to equip students and working professionals with specialized training to enrich their current portfolio or to prepare for work in the areas of information and knowledge management. Courses focus on the information behaviour of individuals, networks, and organizations; the nature of tacit and explicit knowledge services; and strategies for identifying, capturing, organizing, storing, sharing, and us.640kno



**Associate Professors**

Joan Bartlett; B.Sc., M.L.S., Ph.D.(Tor.)  
 France Bouthillier; B.Ed.(UQAM), M.B.S.I.(Montr.), Ph.D.(Tor.)  
 Kimiz Dalkir; B.Sc., M.B.A.(McG.), Ph.D.(C'dia)  
 Benjamin Fung; B.Sc., M.Sc., Ph.D.(S. Fraser)  
 Catherine Guastavino; B.Sc.(McG.), M.Sc.(Aix-Marseille), Ph.D.(Paris VI)  
 Elaine Ménard; B.A., M.A., M.S.I., Ph.D.(Montr.)  
 Karyn Moffatt; B.A.Sc., M.Sc., Ph.D.(Br.Col.)  
 Eun Park; B.A.(Pusan), M.L.I.S.(Ill.), M.B.A.(Pitt.), Ph.D.(Calif.-LA)

**Assistant Professors**

M. Max Evans; B.S.(N. Ill.), M.I.St., Ph.D.(Tor.)  
 Ilja Frissen; M.A.(Maastricht), Ph.D.(Tilburg)  
 Charles-Antoine Julien; B.Eng., M.Sc.(Montr.), Ph.D.(McG.)

**Associate Members**

Gordon Burr; B.A., M.L.I.S.(McG.) (*Senior Archivist, Records Management, McGill University Archives*)  
 Pierre Pluye; M.D.(Toulouse), M.Sc., Ph.D.(Montr.) (*Family Medicine, McGill University*)  
 Richard Virr; B.A.(Tulane), M.A.(Qu.), Ph.D.(McG.) (*Curator of Manuscripts, Rare Books and Special Collections Division, McGill Libraries*)

**Affiliate Members**

Charles Cole; B.A., M.L.I.S.(McG.), Ph.D.(Sheff.)  
 Farkhund Iqbal; B.Sc., B.Sc.(Peshawar), M.Ap.Comp.Sc., Ph.D.(C'dia)

**Sessional Lecturers**

Maxime Beaulieu; B.A., M.B.S.I.(Montr.), Ph.D.(UQAM)  
 Svetlana Kochkina; B.A., M.A.(St. Petersburg St.), M.L.I.S.(McG.)  
 Lidia Kruk; B.A.(C'dia), M.L.I.S.(McG.)  
 Isabelle Lamoureux; M.L.I.S.(McG.)  
 Geoffrey Little; B.A., M.L.I.S.(Tor.)  
 Daniela Oliveira; B.(Librarianship)(São Paulo), M.L.I.S.(McG.)  
 Anton Stiglic; B.Sc., M.Sc.(Montr.), M.B.A.(Sher.)

**3.11.11.5 Master of Information Studies (M.I.St.) Information Studies (Non-Thesis) (48 credits)**

The Master of Information Studies; Non-Thesis is a 48-credit program. The program is designed to prepare graduates for the broad field of information studies. It provides the intellectual foundations for careers as information professionals; fosters competencies in managing information and knowledge resources; advocates the ideal of equal access to information; promotes the appropriate use of technology in meeting information needs; encourages research in the field of library and information studies; and cultivates commitment to professional service for individuals, organizations, and society.

**Required Courses (15 credits)**

GLIS 601	(3)	Foundations of Information Studies
GLIS 602	(3)	Integrating Research and Practice
GLIS 607	(3)	Organization of Information
GLIS 617	(3)	Information System Design
GLIS 619	(3)	Information Behaviour and Resources

**Complementary Courses (21-33 credits)**

GLIS 608	(3)	Classification and Cataloguing
GLIS 609	(3)	Metadata & Access
GLIS 611	(3)	Research Principles and Analysis
GLIS 612	(3)	History of Books and Printing
GLIS 613	(3)	Library and Archival History
GLIS 614	(3)	Public Libraries
GLIS 615	(3)	Reference & Information Services
GLIS 616	(3)	Information Retrieval
GLIS 620	(3)	Managing Information Organizations
GLIS 626	(3)	Usability Analysis and Assessment
GLIS 627	(3)	User-Centered Design
GLIS 629	(3)	Information Security
GLIS 630	(3)	Data Mining
GLIS 632	(3)	Library Systems
GLIS 633	(3)	Multimedia Systems
GLIS 634	(3)	Web System Design and Management
GLIS 636	(3)	Government Information
GLIS 637	(3)	Scientific & Technical Information
GLIS 638	(3)	Business Information
GLIS 639	(3)	Introduction to Museology
GLIS 641	(3)	Archival Description and Access
GLIS 642	(3)	Preservation Management
GLIS 644	(3)	Descriptive Bibliography
GLIS 645	(3)	Archival Principles and Practice
GLIS 649	(3)	Digital Curation
GLIS 650	(3)	Digital Libraries
GLIS 651	(3)	Humanities and Social Science Information
GLIS 655	(3)	Language and Information
GLIS 656	(3)	Abstracting and Indexing
GLIS 657	(3)	Database Design & Development
GLIS 660	(3)	Enterprise Content Management
GLIS 661	(3)	Knowledge Management
GLIS 662	(3)	Intellectual Capital
GLIS 663	(3)	Knowledge Taxonomies
GLIS 664	(3)	Knowledge Networks
GLIS 665	(3)	Competitive Intelligence
GLIS 671	(3)	Health Sciences Information
GLIS 672	(3)	Law Information
GLIS 673	(3)	Bioinformatics Resources
GLIS 679	(3)	Information Literacy
GLIS 689	(3)	Selected Topics
GLIS 690	(3)	Information Policy
GLIS 691	(3)	Special Topics 1



GLIS 620	(3)	Managing Information Organizations
GLIS 626	(3)	Usability Analysis and Assessment
GLIS 627	(3)	User-Centered Design
GLIS 629	(3)	Information Security
GLIS 630	(3)	Data Mining
GLIS 633	(3)	Multimedia Systems
GLIS 634	(3)	Web System Design and Management
GLIS 636	(3)	Government Information
GLIS 637	(3)	Scientific & Technical Information
GLIS 638	(3)	Business Information
GLIS 639	(3)	Introduction to Museology
GLIS 641	(3)	Archival Description and Access
GLIS 642	(3)	Preservation Management
GLIS 644	(3)	Descriptive Bibliography
GLIS 645	(3)	Archival Principles and Practice
GLIS 649	(3)	Digital Curation
GLIS 650	(3)	Digital Libraries
GLIS 651	(3)	Humanities and Social Science Information

human-computer interaction; c) information resources in context; d) knowledge management and representation, as well as an awareness of the inter-relatedness of these areas. Students begin with a set of common core courses and proceed to specialization through advanced coursework and dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (12 credits)

Note: GLIS 701 is normally taken in the second year.

GLIS 701	(0)	Comprehensive Examination
GLIS 702	(3)	Seminar in Information Studies
GLIS 703	(3)	Research Paradigms in Information Studies
GLIS 704	(3)	Research Design in Information Studies
GLIS 705	(3)	Readings in Information Studies

Students may also be required to take additional courses to prepare them for their research.

### 3.11.11.8 Graduate Certificate (Gr. Cert.) Digital Archives Management (15 credits)

This program is intended to prepare students to work in the area of digital archives. The graduate courses in the program will focus on principles of organization of information, practices in archival studies, and strategies for digital curation and enterprise content management. This is an entry-level, graduate program that may lead to another graduate certificate or to the M.I.St. program, however, none of the courses taken in the graduate certificate can be credited towards

**Complementary Courses (9 credits)**

GLIS 616	(3)	Information Retrieval
GLIS 626	(3)	Usability Analysis and Assessment
GLIS 627	(3)	User-Centered Design
GLIS 629	(3)	Information Security
GLIS 630	(3)	Data Mining
GLIS 633	(3)	Multimedia Systems
GLIS 634	(3)	Web System Design and Management
GLIS 657	(3)	Database Design & Development

**3.11.11.10 Graduate Certificate (Gr. Cert.) Information and Knowledge Management (15 credits)**

This program is intended to prepare students to work as information and knowledge managers in a variety of sectors. The graduate courses in the program will focus on the information behavior of individuals, networks and organizations, and the nature of tacit and explicit knowledge services and strategies for identifying, capturing, organizing, storing, sharing, and using information, and the nature of information services and strategies for identifying, capturing, organizing, storing, sharing, and using information.



0-6 credits of non-GLIS courses with a maximum of 3 credits from outside McGill. All such courses must be at a graduate level and receive prior approval of the student's adviser(s) and the School's Director.

### 3.11.12 International Development

#### 3.11.12.1 Location

Institute for the Study of International Development (ISID)  
 Peterson Hall, Room 126  
 3460 McTavish Street  
 Montreal QC H3A 0E6  
 Canada  
 Telephone: 514-398-3507  
 Fax: 514-398-8432  
 Email: [info.isid@mcgill.ca](mailto:info.isid@mcgill.ca)  
 Website: [www.mcgill.ca/isid](http://www.mcgill.ca/isid)

#### Administration

Sonia Laszlo – *Director*

Iain Blair – *Administrative Officer*

Email: [iain.blair@mcgill.ca](mailto:iain.blair@mcgill.ca)

Sherryl Ramsahai – *Administrative Coordinator*

Email: [sherryl.ramsahai@mcgill.ca](mailto:sherryl.ramsahai@mcgill.ca)

Lisa Stanischewski – *Student Affairs Adviser*

Email: [lisa.stanischewski@mcgill.ca](mailto:lisa.stanischewski@mcgill.ca)

Kirsty McKinnon – *Student Affairs Coordinator*

Email: [kirsty.mckinnon@mcgill.ca](mailto:kirsty.mckinnon@mcgill.ca)

#### 3.11.12.2 About the Institute for the Study of International Development

ISID is an interdisciplinary institute in the Faculty of Arts with over 40 members from various faculties. It also works with an international community of scholars, development groups, and the public. Interdisciplinary research sponsored by ISID revolves around three themes: poverty and inequality; governance and society; and environment and sustainability. It organizes seminars and conferences on development issues related to these themes.

Graduate students can register in the Development Studies Option (DSO), a cross-disciplinary M.A. program in which six departments participate:

- [section 3.11.1: Anthropology](#)
- [section 3.11.6: Economics](#)
- [section 3.11.9: Geography](#)
- [section 3.11.10: History and Classical Studies](#)
- [section 3.11.19: Political Science](#)
- [section 3.11.26: Sociology](#)

Further information about this option is available from each of these departments, as well as on the [ISID website](#).

#### 3.11.12.3 International Development Admission Requirements and Application Procedures

##### 3.11.12.3.1 Admission Requirements

Students will **only** be considered for the **Development Studies Option** (DSO) once they have been accepted into a master's program in one of the six participating departments (Anthropology, Economics, Geography, History, Political Science, and Sociology) at McGill.

### **3.11.1232 Application Procedures**

Students applying through a participating department must indicate in their application that they want to be considered for the DSO. Final approval on admission to the DSO will be made once the files of successful departmental applicants have been received at ISID.

### **3.11.1233 Application Dates and Deadlines**

The DSO is a cross-disciplinary program. Please see the application deadlines for the master's program in one of the six participating departments:

- [section 3.11.1: Anthropology](#)
- [section 3.11.6: Economics](#)
- [section 3.11.9: Geography](#)
- [section 3.11.10: History and Classical Studies](#)
- [section 3.11.19: Political Science](#)
- [section 3.11.26: Sociology](#)

Departmental contact info is also available at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

## **3.11.13 Islamic Studies**

### **3.11.13.1 Location**

Institute of Islamic Studies  
Morrice Hall, Room 319  
3485 McTavish Street  
Montreal QC H3A 0E1  
Canada  
Telephone: 514-398-6077  
Fax: 514-398-6731  
Email: [info.islamics@mcgill.ca](mailto:info.islamics@mcgill.ca)  
Website: [www.mcgill.ca/islamicstudies](http://www.mcgill.ca/islamicstudies)

### **3.11.13.2 About Islamic Studies**

Opportunities for research are wide and varied, reflecting the interests of both the faculty and students. Students may choose a specialization from the following options:

- Arabic Literatures;
  - Arab American/Arab Canadian Literatures;
  - Persian Literature;
  - Urdu Literature;
  - South-Asian Literature;
  - Islamic Theology;
  - Islamic Philosophy;
  - Science in Islamic Societies;
  - Islamic History;
  - Safavid History;
  - Shi`i Studies;
  - History of the Modern Middle East;
  - Anthropology and History of Modern Iran;
  - Islam and Politics;
  - Islam in Africa;
  - Islamic Law;
- a6478 Tm(•)H 8.11.1

- M.A. in Islamic Studies (Thesis);
- M.A. in Islamic Studies (Thesis) with Option in Gender and Women's Studies;
- Ph.D. in Islamic Studies;
- Ph.D. in Islamic Studies with Option in Gender and Women's Studies.

The Islamic Studies Library is especially strong in its reference materials and periodical holdings for Islamic regions. The collection, one of the largest in North America, contains over 150,000 volumes in principal European languages as well as in Arabic, Persian, Turkish, Urdu, and other non-European languages.

***section 3.11.13.5: Master of Arts (M.A.) Islamic Studies (Thesis) (45 credits)***

Students pursuing the M.A. in Islamic Studies at the Institute normally have an undergraduate specialization in the Humanities or Social Sciences, preferably with a major in Islamic Studies or Middle Eastern Studies. Knowledge of Arabic or Persian at the first-year level is an asset. The atmosphere at the Institute is strongly international and the e

### 311.13.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Reference Letters – three letters required for Ph.D. applicants
- Writing Sample – optional for M.A. applicants; required for Ph.D. applicants; a copy of entire master's thesis, or completed chapters of master's thesis, or (in cases where these are not available) two substantial research papers
- Knowledge of Arabic or Persian is an asset, as follows: one year of language training for M.A. applicants; two years for Ph.D. applicants
- Other additional documents and questions, as itemized and explained on the departmental website for Prospective Students at [27chuan48189one7447j\)dvhlga18t1e-studies](#)

### 3.11.13.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set

### Assistant Professors

Ahmed Fekry Ibrahim; B.A.(al-Azhar), M.A.(Amer. Univ. Cairo), Ph.D.(G'town)

Pasha M. Khan; B.A.(Tor.), M.A., Ph.D.(Col.) (*Chair in Urdu Language and Culture*)

### Senior Faculty Lecturers

Shokry Gohar; B.A.(Cairo), M.A.(C'dia)

Pouneh Shabani-Jadidi; B.A., M.S., Ph.D.(Azad), Ph.D.(Ott.)

### Faculty Lecturer

David Nancekivell; B.A., M.A.(Laval)

### 3.11.13.5 Master of Arts (M.A.) Islamic Studies (Thesis) (45 credits)

#### Thesis Courses (24 credits)

ISLA 697	(6)	Thesis Research 1
ISLA 698	(6)	Thesis Research 2
ISLA 699	(12)	Thesis Research 3

#### Required Course (3 credits)

ISLA 603	(3)	Introductory: Research Materials - Islamic Studies
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#### Complementary Courses (18 credits)

With the approval of the student's supervisor, courses taken with an IIS faculty member or an associate member in other departments (i.e., History, Anthropology, and Political Science) can count toward the coursework requirements in the same w

### **Complementary Courses (15 credits)**

3 credit of a seminar course at the 600 or 700 level.

3 credits from the following:

WMST 602                      (3)                      Feminist Research Symposium

or a 3-credit course, at the 500 level or higher, in gender/women's issues.

9 credits of ISLA courses at the 500 level or higher.

With permission of the Institute, up to 3 credits of these 9 credits of Complementary Courses may be chosen from departments at McGill or other educational institutions.

With the approval of the student's supervisor, courses taken with an IIS faculty member or an associate member in other departments (i.e., History, Anthropology, Political Science) can count toward the coursework requirements in the same way as ISLA courses.

### **Language Requirement**

Students must demonstrate proficiency in Arabic or Persian at the second-year level as evidenced by completion of ISLA 522 or ISLA 542D, respectively, or by an examination administered by the Institute.

Note that the courses taken to fulfill the second-year level requirements will not be credited towards the course requirements.

### **3.11.13.7 Doctor of Philosophy (Ph.D.) Islamic Studies**

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### **Required Course (3 credits)**

ISLA 603                      (3)                      Introductory: Research Materials - Islamic Studies  
ISLA 701                      (0)                      Comprehensive Examination

#### **Complementar**

### 3.11.13.8 Doctor of Philosophy (Ph.D.) Islamic Studies: Gender and Women's Studies

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Islamic Studies who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's Ph.D. thesis must be on a topic centrally relating to issues of gender and/or women's studies.

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses (9 credits)

ISLA 603	(3)	Introductory: Research Materials - Islamic Studies
ISLA 701	(0)	Comprehensive Examination
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

#### Complementary Courses (21 credits)

21 credits of courses at the 500 level or higher, including 6 credits at the 600 or 700 level of seminars offered by the Institute of Islamic Studies (IIS) AND an additional 3 credits in a course with a substantive focus on women and/or gender.

\* Note: For the three-year-level language requirement, either, ISLA 521D (9 credits) or ISLA 541D (6 credits) will not count toward the 21 complementary credits.

With the permission of the Institute, up to 6 credits could be taken in other departments at McGill or other institutions.

With the approval of the student's supervisor, courses taken with an IIS faculty member or an associate member in other departments (i.e., History, Anthropology, Political Science) can count toward the coursework requirements in the same way as ISLA courses.

To avoid over-specialization, a maximum of 9 credits of content courses (i.e., courses that are not primarily devoted to language instruction) can be taken with a single Institute professor.

#### Language Requirements

All Ph.D. students are required to have completed three years of Arabic language or Persian language study at the IIS. Students who do not take the third level of

Jewish literature (Hebrew, Yiddish, English); and contemporary North American Jewish life. These areas are broadly construed to accommodate the range of research interests in the Department. Students develop close relationships with their supervisors and benefit from the diverse expertise available in our Department and in the University at large.

While the thesis option is designed for students undertaking advanced research in one of the areas above, the non-thesis option offers a generalist degree in Jewish studies.

#### ***section 3.11.14.5: Master of Arts (M.A.) Jewish Studies (Thesis) (45 credits)***

This option is aimed at students who have acquired a rich background in Jewish studies through their B.A. and who are now ready to focus their study on one period and/or discipline within the broad field of Jewish civilizational studies. Students choosing Eastern European studies, Jewish thought, or Hebrew literature must enter the program with a good command of either Hebrew or Yiddish according to their chosen specialization.

Students may also choose to complete the M.A. (Thesis) program with a stream in the History of the Jewish Interpretation of the Bible. This stream is aimed at students who have acquired a rich background in Bible and Jewish studies through their B.A. and who now wish to study the Bible and its interpretation within Jewish circles at an advanced level. Students choosing this path must enter the program with a good command of Hebrew.

The degree is normally completed within two years. Subsequent career paths are varied, but could include work in Jewish communal agencies, Jewish schools, Jewish foundations, the rabbinate, or further graduate study in a related field.

#### ***section 3.11.14.6: Master of Arts (M.A.) Jewish Studies (Non-Thesis) (45 credits)***

This option is aimed at students who have acquired some background in Jewish studies through their B.A. and who wish to add to their knowledge without having to concentrate on one period or discipline within the broad field of Jewish civilizational studies. Students may take courses in related disciplines outside of Jewish Studies if appropriate. The degree is normally completed within two years. Students must demonstrate good command of Yiddish or Hebrew prior to graduation. Subsequent career paths are varied, but could include work in Jewish communal agencies, Jewish schools, Jewish foundations, the rabbinate, or further graduate study in a related field.

#### **Ph.D. in Jewish Studies**

This is an *ad hoc* program. Please contact the Department for further information on this option.

### **3.11.14.3 Jewish Studies Admission Requirements and Application Procedures**

#### **3.11.14.3.1 Admission Requirements**

Ideally, applicants would have completed a B.A. in Jewish Studies. If an applicant is otherwise deemed acceptable, it is possible to be admitted to a Qualifying year. Students seeking admission to the History of the Jewish Interpretation of the Bible stream must demonstrate competence in Hebrew prior to beginning the program.

In addition to the appropriate references, transcripts, and examination scores, applicants should send samples of their academic work in their field of interest. Personal interviews are strongly recommended.

#### **3.11.14.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

#### **3.11.14.3.2.1 Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- Research Proposal
- Curriculum Vitae
- Written Work

#### **3.11.14.3.3 Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Jewish Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Feb. 1	Feb. 1	Feb. 1
	Feb. 15	Sept. 10	Sept. 15	Sept. 15



Application Opening Dates			Application Deadlines		
<b>Summer Term:</b>	N/A	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

### 3.11.14.4 Jewish Studies Faculty

#### Chair and Graduate Program Director

Yael Halevi-Wise

#### Undergraduate Program Director

Dan Heller

#### Professors

David Aberbach; B.A.(Univ. Coll., Lond.), M.Litt., Ph.D.(Oxf.)

Carlos Fraenkel; M.A., Ph.D.(Free Univ., Berlin) (*joint appt. with Philosophy*) (*James McGill Professor*)

Gershon Hundert; B.A.(Col.), M.A.(Ohio St.), Ph.D.(Col.) (*Leonor Segal Professor of Jewish Studies*) (*joint appt. with History and Classical Studies*)

B. Barry Levy; B.A., M.A., B.R.E.(Yeshiva), Ph.D.(NYU)

#### Associate Professors

Eric Caplan; B.A.(Tor.), M.A.(Hebrew), Ph.D.(McG.) (*joint appt. with Integrated Studies in Education*)

Yael Halevi-Wise; B.A.(Hebrew), M.A.(G'town), Ph.D.(Princ.) (*joint appt. with English*)

Lawrence Kaplan; B.A.(Yeshiva), M.A., Ph.D.(Harv.)

#### Assistant Professors

Daniel Kupfert Heller; B.A.(Tor.), Ph.D.(Stan.)

Christopher Silver; B.A.(Calif., Berk.), M.A., Ph.D.(Calif.-LA) (*Segal Family Assistant Professor of Jewish History and Culture*)

#### Lecturers

Liane Alitowski; B.Mus., M.Mus.(Ind.), D.M.A.(SUNY, Stony Brook)

Lea Fima; B.Ed.(Beit Berl), M.A.(McG.)

Esther Frank; B.A., M.A.(McG.)

Yuri Vedenyapin; B.A.(Harv.), Ph.D.(Col.)

#### Adjunct Professor

Ruth Wisse; M.A.(Col.), Ph.D.(McG.)

### 3.11.14.5 Master of Arts (M.A.) Jewish Studies (Thesis) (45 credits)

An M.A. in Jewish Studies (thesis option) is offered in the following areas: History of the Jewish Interpretation of the Bible, Eastern European Jewish History, Jewish Thought, Hebrew Literature, and Modern Jewish Literatures. These areas of specialization are broadly construed to accommodate the range of research interests; B.A.(T



JWST 543	(3)	Maimonides as Parshan
JWST 558	(3)	Topics: Modern Jewish Thought
JWST 604	(3)	Topics: In Jewish Thought

**Jewish History (12-15 credits)**

HIST 655	(6)	Tutorial
JWST 585	(3)	Tutorial: Eastern European Studies 1
JWST 586	(3)	Tutorial: Eastern European Studies 2
JWST 602	(3)	East European Jewish History 1

**Jewish Literature (12-15 credits)**

JWST 510	(3)	Jewish Bible Interpretation 1
JWST 511	(3)	Jewish Bible Interpretation 2
JWST 520	(3)	Bible Interpretation in Antiquity
JWST 530	(3)	Topics in Yiddish Literature
JWST 538	(3)	Early Rabbinic Parshanut 1
JWST 541	(3)	Medieval Ashkenazi Parshanut
JWST 546	(3)	Innovative Medieval Parshanut
JWST 548	(3)	Medieval Parshanut
		Modern Je

- *section 3.11.15.2.5: Russian and Slavic Studies;*

offer a vibrant research environment, combining the rigour of traditional philological inquiry with a range of other theoretical and methodological approaches, many of them informed and/or creatively challenged by broader transnational and interdisciplinary perspectives. The Department is committed to international standards of e



We also offer a broad and flexible range of graduate seminars. Graduate students collaborate with the [Department of Art History and Communication Studies](#); [World Cinemas](#); and the [Institute for Gender, Sexuality, and Feminist Studies \(IGSF\)](#). Our small but dynamic program allows for a great deal of personal attention, an atmosphere of collegiality, and a close-knit intellectual community. The candidate for admission must have an aptitude for research work and be able to make an original contribution to knowledge. Particular emphasis is placed on working with the original language; credits may be allotted, at the discretion of the Department, to coursework leading to advanced proficiency in this area.

#### **Ph.D. Language Tests**

Ph.D. candidates in other departments who require Russian for research and in satisfaction of the language requirement should contact the Department for recommended courses.

Original research work and the scholarly qualities of the thesis are the principal criteria for conferring a graduate degree in Russian.

#### ***section 3.11.15.13: Master of Arts (M.A.) Russian (Thesis) (48 credits)***

The M.A. in Russian and Slavic Studies consists of coursework plus a research component, which consists of an M.A. thesis proposal and an M.A. thesis.

#### ***section 3.11.15.14: Doctor of Philosophy (Ph.D.) Russian***

The Ph.D. in Russian and Slavic Studies consists of coursework, multiple examinations, language requirements, and a dissertation. It offers graduate instruction (seminar and guided independent reading courses) as well as research and thesis supervision in the fields of Russian culture and literature. Students also take graduate courses offered in the Department of Languages, Literatures, and Cultures in literary theory, film, and media that allow for broader transnational and interdisciplinary perspectives in their research.

Students are encouraged and helped to participate in conferences and to publish the results of their ongoing research. Particular emphasis is laid on working with the original language. Doctoral dissertation topics are developed in consultation with the faculty. Graduates from the program have gone on to careers in teaching in Canadian and international universities and institutions, as well as exploring other related fields.

### **3.11.15.3 Languages, Literatures, and Cultures Admission Requirements and Application Procedures**

#### **3.11.15.3.1 Admission Requirements**

**TOEFL** is required of all graduate studies applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone). A minimum score of 86, with each component score not less than 20, is required on the TOEFL Internet-based examination (iBT). Proof of TOEFL must be presented at the time of application or shortly thereafter. McGill University's institution code is **0935**.

Students also have the option of taking the **IELTS** (International English Language Testing Service System) examination, for which the minimum score is an overall band average of 6.5 (academic module). Effective for applicants entering the Winter 2015 semester, McGill University only accepts IELTS scores submitted electronically by an IELTS test centre. No paper test report forms will be accepted. An institutional code is NOT required; applicants must ask the test centre where the test is to be taken to send test scores electronically to McGill using the IELTS system.

#### **GERMAN STUDIES**

- **Master's:**

In order to be admitted to the M.A. program in German Studies, candidates must have at least a B.A. degree in German from McGill University or an equivalent degree from another college or university of recognized standing.

Applicants with joint degrees or majors degrees may be admitted on individual merit but they may be required to take additional courses. 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.

#### **HISPANIC STUDIES**

- **M.A. Degree (Non-Thesis or Thesis; currently, students are only admitted to the thesis option in exceptional circumstances):**

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

1. 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.
2. 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, HISP 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 Hispanic Studies Graduate Committee 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 six 3-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 (GRE) is recommended, but not required.

### ITALIAN STUDIES

The B.A. degree with Honours or Joint Honours in Italian or its equivalent and a CGPA of 3.2 constitute the minimum requirement. Applicants who do not have these prerequisites may be admitted to a Qualifying year or, in some cases, to a Qualifying term.

### RUSSIAN AND SLAVIC STUDIES

The minimum academic requirement is normally a high standing in an undergraduate degree with Honours Russian (or an equivalent specialization). Further, the Admissions Committee must be convinced that the candidate for admission has an aptitude for research work and will be able to make an original contribution to knowledge.

A working knowledge of French is recommended for the Ph.D. program.

Any necessary preparation to fulfil these requirements will be offered within Russian Studies or elsewhere at McGill. Certain graduate courses may be taken with special permission at other approved universities.

#### 3.11.15.3.2 Application Procedures for Languages, Literatures, and Cultures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

##### 3.11.15.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Written Work
- Additional Writing Sample – for Italian Studies only: a critical essay, written in Italian if the written work submitted is in English
- Research Proposal – which should include a brief personal statement. For the *Ad Hoc* M.A. in Digital Humanities only, the research proposal should also illustrate the applicant's computational experience (programming languages, digital projects)
- Interview – for Russian and Slavic Studies only; where appropriate, by telephone if necessary, with members of the Department's Graduate Committee
- Curriculum Vitae

##### 3.11.15.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Languages, Literatures, and Cultures and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Jan. 6	Jan. 6	Jan. 6
<b>Winter Term:</b>	Feb. 15	Aug. 14	Sept. 15	Sept. 15
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

#### 3.11.15.4 Languages, Literatures, and Cultures Faculty

##### Chair

E. Bolongaro

**Directors of Undergraduate Studies/Advisers**

Anna Berman (*Russian Studies*)  
 Lucienne Kroha (*Italian Studies*)  
 Andrew Piper (*European Literature and Culture*)  
 Vanessa Ceia (*Hispanic Studies*)  
 Daniel Schwartz (*German Studies*)

**Directors of Graduate Studies**

Karim Bauer (*German Studies*)  
 Laura Beraha (*Russian Studies*)  
 Amanda Holmes (*Hispanic Studies*)  
 Giuliana Minghelli (*Italian Studies*)

**Emeritus Professors**

P.M. Daly; B.A.(Brist.), Ph.D.(Zürich)  
 K.M. Sibbald; M.A.(Cant.), M.A.(Liv.), Ph.D.(McG.)  
 Pamela D. Stewart; B.A.(Montr.), M.A.(McG.), F.R.S.C.

**Professors**

K. Bauer; M.A., Ph.D.(Wash.)  
 J.R. Jouvé-Martin; Lic.Fil.(Madrid), Ph.D.(G'town)  
 J. Pérez-Magallón; Lic.Fil.(Barcelona), Ph.D.(Penn.)  
 P. Peters; Ph.D.(Free Univ., Berlin)  
 A. Piper; B.A.(Princ.), Ph.D.(Col.)

**Associate Professors**

L. Beraha; B.A., M.A., Ph.D.(McG.)  
 E. Bolongaro; B.A., LL.B.(Br. Col.), M.A., Ph.D.(McG.)  
 A. Holmes; B.A.(McG.), M.A., Ph.D.(Ore.)  
 L. Kroha; B.A., M.A.(McG.), Ph.D.(Harv.)  
 F. Macchi; Lic.Lit.(Buenos Aires), M.A.(Ore.), Ph.D.(Yale)  
 G. Minghelli; M.A., Ph.D.(Johns Hop.)  
 L. Parts; M.A., Ph.D.(Col.)  
 S. Posthumus; B.A.(Calvin), M.A.(Qu.), Ph.D.(W. Ont.)  
 S. Sinclair; B.A.(Br. Col.), M.A.(Vic., BC), Ph.D.(Qu.)  
 M. Soranzo; Dott.Lett.(Padua), Ph.D.(Wisc.)

**Assistant Professors**

A. Berman; B.A.(Brown), M.A., Ph.D.(Princ.), M.Phil.(Camb.)  
 V. Ceia; B.A.(Tor.), M.A.(McG.), Ph.D.(NYU)  
 T. Holmes; B.A.(Ore.), M.A., Ph.D.(Johns Hop.)  
 C. Raynor; M.Sc.(LSE), M.A.(Middlebury), Ph.D.(G'town)  
 D. Schwartz; B.A.(Chic.), M.A., Ph.D.(Johns Hop.)

**Faculty Lecturers**

Sandra Barriales-Bouche; M.A., Ph.D.(Mass.)  
 Lucia Chamanadjian; M.A.(Car.)



## Faculty Lecturers

Cristiana Furlan; M.A., Ph.D.(McG.)

Anny Guimont; M.A.(Montr.)

Maria Ivanova; M.A.(SPbU), Ph.D.(Moscow St.)

Sun-Young Kim; M.A., Ph.D.(Mich.)

Maria-Teresa Mascaro; M.S.(G'town)

Maria Karleen Morrison; M.A.(Tubingen), Ph.D.(Virg.)

Anna Maria Tumino; M.A.(McG.)

## Adjunct Professors - Italian Studies

Dario Brancato (*C'dia*)

Tobias F. Gittes (*Liberal Arts College, C'dia*)

Silvestra Mariniello (*Histoire de l'art et d'Études cinématographiques, Montr.*)

Rosanna Maule (*C'dia*)

Viva Paci (*UQAM*)

### 3.11.15.5 Master of Arts (M.A.) German (Thesis) (48 credits)

#### Thesis Courses (30 credits)

GERM 690	(9)	Thesis Research 1
GERM 691	(9)	Thesis Research 2
GERM 692	(12)	Thesis Research 3

#### Complementary Courses (18 credits)

Six 3-credit courses chosen from any graduate seminar listed as offered in the Department of German Studies. With the approval of the Graduate Studies Committee, students are normally permitted to take a maximum of 3 credits in another department.

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 that is supported by adequate documentation.

Students are expected to complete the 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 orgMaster of ArMa (M.A.) German (ThNon-esis) (48 5redits)

**Required Course**

- (0) Ph.D. Comprehensive Examination

### **3.11.15.10 Doctor of Philosophy (Ph.D.) Hispanic Studies**

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### **Required Courses (3 credits)**

HISP 701	(0)	Ph.D. Comprehensive Examination
HISP 713	(3)	Research Seminar

#### **Complementary Courses (18 credits)**

Six 3-credit courses

#### **Language Requirement**

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.

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 Graduate and Postdoctoral Studies 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 their third year of full-time doctoral studies.

### **3.11.15.11 Master of Arts (M.A.) Italian (Thesis) (45 credits)**

#### **Thesis Courses (24 credits)**

IT	(6)	Thesis Proposal
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ITAL 690	(9)	Research Paper 1
ITAL 691	(9)	Research Paper 2

**Required Courses (12 credits)**

ITAL 602	(3)	The Literary Tradition
ITAL 610	(3)	Bibliography of Italian Literature
ITAL 619	(3)	Topics in Literary Theory
ITAL 680	(3)	Research Seminar

**Complementary Courses (15 credits)**

RUSS 750	(0)	History of Russian Language
RUSS 760	(0)	Pre-Petrine Foundation
RUSS 770	(0)	18th Century Foundation

### Language Requirement

Proficiency in Russian, functional ability in English and in French, and proficiency in a second Slavic language, if relevant to the research topic and where deemed appropriate by the Department Graduate Committee.

## 3.11.16 Linguistics

### 3.11.16.1 Location

Department of Linguistics  
 1085 Dr. Penfield Avenue  
 Montreal QC H3A 1A7  
 Canada  
 Telephone: 514-398-4222  
 Fax: 514-398-7088  
 Email: [gradprogram.linguistics@mcgill.ca](mailto:gradprogram.linguistics@mcgill.ca)  
 Website: [www.mcgill.ca/linguistics](http://www.mcgill.ca/linguistics)

### 3.11.16.2 About Linguistics

The aim of the graduate program in Linguistics at McGill is to train researchers in core areas of theoretical linguistics:

- phonetics;
- phonology;
- morphology;
- syntax;
- semantics;
- pragmatics;
- experimental linguistics.

Research in experimental areas deals with theoretical questions in light of evidence from another domain (language acquisition, neurolinguistics, processing, language variation, and change).

Students have access to a rich research landscape in cognitive science; for example, most members of the Department are associated with the [Centre for Research on Brain, Language and Music](#) (CRBLM). The Department has two labs for conducting experiments, each fitted with a soundproof booth. Members of the Department also have access to other facilities through the CRBLM.

We normally fund all full-time graduate students who maintain strong academic records; our funding package covers living expenses, tuition, and fees. M.A. students are funded for one year and eight months, and Ph.D. students for five years.

### 3.11.16.3 Linguistics Admission Requirements and Application Procedures

#### 3.11.16.3.1 Admission Requirements

Applicants to the M.A. or Ph.D. should have completed a B.A. with a specialization in linguistics. Applications are also invited from students with a background in other disciplines. Applicants showing strong evidence for truly outstanding potential but lacking a background in linguistics may be considered for admission to a Qualifying Year (QY).

#### 3.11.16.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Applicants are urged to read detailed information on application procedures on the [Department of Linguistics' website](#).

##### 3.11.16.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Research Proposal
- Writing Sample

#### 3.11.16.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Linguistics Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Dec. 10	Dec. 10	Dec. 10
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

#### 3.11.16.4 Linguistics Faculty

##### Chair

L. Alonso-Ovalle

##### Emeritus Professors

C.D. Ellis; B.A.(Camb. & McG.), M.A.(Tor. & Yale), Ph.D.(McG.)

M. Gopnik; M.A., Ph.D.(Penn.)

M. Paradis; B.A.(Montr.), M.A., Ph.D.(McG.), Ph.D.(Montr.)

## Associate Professors

H.M. Goad; B.A.(Br. Col.), M.A., Ph.D.(USC)

B. Schwarz; M.A.(Tübingen), Ph.D.(Mass.)

J. Shimo

**Required Courses (21 credits)**

LING 601	(3)	Graduate Research Seminar 1
LING 602	(3)	Graduate Research Seminar 2
LING 630	(3)	Phonetics 3
LING 631	(3)	Phonology 3
LING 635	(3)	Phonetics and Phonology 4
LING 660	(3)	Semantics 3
LING 671	(3)	Syntax 3
LING 706	(0)	Ph.D. Evaluation 1
LING 707	(0)	Ph.D. Evaluation 2

Note: LING 706 and LING 707 must be completed before proceeding to thesis research.

**Complementary Courses (15 credits)**

3 credits from the following:

LING 665	(3)	Semantics 4
LING 675	(3)	Syntax 4

6 credits from the following:

LING 610	(3)	Linguistic Field Research
LING 620	(3)	Experimental Linguistics: Methods
LING 661	(3)	Advanced Formal Methods

6 additional credits at the 500, 600, or 700 level. At least one in the student's intended research area.

**3.11.16.7 Doctor of Philosophy (Ph.D.) Linguistics: Language Acquisition**

Students must satisfy all program requirements for the Ph.D. in Linguistics. The Ph.D. thesis must be on a topic relating to language acquisition.

**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner.3)





SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2

0-2 credits from the following:

EDSL 711	(2)	Language Acquisition Issues 3
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### **3.11.17 Mathematics and Statistics**

#### **3.11.17.1 Location**

Department of Mathematics and Statistics  
Burnside Hall, Room 1005  
805 Sherbrooke Street West

**section 3.11.17.5: Master of Arts (M.A.) Mathematics and Statistics (Thesis) (45 credits)**

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.A.). The thesis option requires a thesis and six approved courses.

**section 3.11.17.6: Master of Arts (M.A.) Mathematics and Statistics (Non-Thesis) (45 credits)**

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the master's degree (M.A.). The non-thesis option requires a project and eight approved courses.

**Master of Science (M.Sc.) Mathematics and Statistics**

Detailed program requirements for the following M.Sc. programs are available at [http://www.mathstat.utoronto.ca/mathstat/undergraduate/graduate/](#)

**section 14.11.7.5: Master of Science (M.Sc.) Mathematics and Statistics (Thesis) (48 credits)**

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the master's degree (M.Sc.). The thesis option requires a thesis and six approved courses.

**section 14.11.7.6: Master of Science (M.Sc.) Mathematics and Statistics (Thesis): Bioinformatics (48 credits)**

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics option at the M.Sc. level will be fluent in the concepts, language, approaches, and limitations of the field.

**section 14.11.7.7: Master of Science (M.Sc.) Mathematics and Statistics (Thesis): Computational Science & Engineering (47 credits)**

CSE is a rapidly gro

Applicants wishing to concentrate in pure mathematics should have a strong background in linear algebra, abstract algebra, and real and complex analysis.

Applicants wishing to concentrate in statistics should have a strong background in linear algebra and basic real analysis. A calculus-based course in probability and one in statistics are required, as well as some knowledge of computer programming. Some knowledge of numerical analysis and optimization is desirable.

Applicants wishing to concentrate in applied mathematics should have a strong background in most of the areas of linear algebra, analysis, differential equations, discrete mathematics, and numerical analysis. Some knowledge of computer programming is also desirable.

Students whose preparation is insufficient for the program they wish to enter may, exceptionally, be admitted to a Qualifying year.

#### **Ph.D. Degree**

A master's degree with high standing is required, in addition to the requirements listed above for the master's program. Students may transfer directly from the master's program to the Ph.D. program under certain conditions. Students without a master's degree, but with exceptionally strong undergraduate training, may be admitted directly to Ph.D. 1.

#### **3.11.17.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

##### *3.11.17.3.2.1 Additional Requirements*

The items and clarifications below are additional requirements set by this department:

- Personal Statement – In the personal statement, the applicants should clearly explain their choice of preferred research group(s) and preferred area(s) of research, as well as providing relevant information that will not be reflected on their transcripts
- Research Proposal (optional) – If applicants have a specific research problem of interest that they want to pursue, they may discuss the details in the research proposal
- Applicants in pure and applied mathematics should provide a GRE score report, if available

For more details, please consult [www.mcgill.ca/mathstat/postgraduate/prospective-students/admissions](http://www.mcgill.ca/mathstat/postgraduate/prospective-students/admissions).

#### **3.11.17.3.3 Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Mathematics and Statistics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in adv



**Associate Professors**

Mikael Pichot; B.Sc.(Lyon), M.S., Ph.D.(ENS Lyon)  
Russell Steele; B.S., M.S.(Carn. Mell), Ph.D.(Wash.)  
Gantumur Tsogtgerel; B.Sc.(Nat. Univ. Mongolia), M.Sc., Ph.D.(Utrecht)

**Assistant Professors**

Linan Chen; B.S.(Tsinghua), Ph.D.(MIT)  
Sarah Harrison; B.Sc.(MIT), Ph.D.(Stan.)  
Tim Hoheisel; Dipl., Ph.D.(Wurzburg)  
Jessica Lin; B.A.(NYU), Ph.D.(Chic.)  
Piotr Przytycki; M.Sc., Ph.D.(Warsaw)  
Maksym Radziwill; B.Sc.(McG.), Ph.D.(Stan.) (*Canada Research Chair*)  
Marcin Sabok; M.Sc., Ph.D.(Warsaw)  
Jérôme Vétois; Ph.D.(Cergy-Pontoise)  
Yi Yang; B.S.(Sichuan), M.S., Ph.D.(Minn.)

**Associate Members**

Xiao-Wen Chang (*Computer Science*)  
Luc P. Devroye (*Computer Science*)  
Pierre R.L. Dutilleul (*Plant Science*)  
Leon Glass (*Physiology*)  
James A. Hanley (*Epidemiology and Biostatistics*)  
Hamed Hatami (*Computer Science*)  
Lawrence Joseph (*Epidemiology and Biostatistics*)  
Anmar Khadra (*Physiology*)  
Michael Mackey (*Physiology*)  
Erica E.M. Moodie (*Epidemiology and Biostatistics*)  
Prakash Panangaden (*Computer Science*)  
Robert W. Platt (*Epidemiology and Biostatistics*)  
James O. Ramsay (*Psychology*)  
Alexandra Schmidt (*Epidemiology and Biostatistics*)  
Kaleem Siddiqi (*Computer Science*)  
Christina Wolfson (*Epidemiology and Biostatistics*)

**Adjunct Professors**

Renato C. Calleja; B.S.(Tec. Autonomo de Mexico), Ph.D.(Texas-Austin)  
Vasek Chvatal; Ph.D.(Wat.)  
Eliot Freid; B.S.(Calif. Poly. St.), M.S., Ph.D.(Calif. Tech.)  
Andrew Granville; B.A., CASM(Camb.), Ph.D.(Qu.)  
Adrian Iovita; B.S.(Bucharest), Ph.D.(Boston)  
Payman L. Kassaei; B.Sc.(Sharif Tech.), Ph.D.(MIT)  
Dimitris Koukouloupoulos; M.Sc., Ph.D.(Ill.-Chic.)  
Etienne Marceau; B.Sc., M.Sc.(Laval); Ph.D.(Louvain)  
Ming Mei; B.Sc., M.Sc.(Jiangxi Normal Uni.), Ph.D.(Kanazawa)  
Claude-Alain Pillet; M.Sc., Ph.D.(ETH Zurich)

### **Adjunct Professors**

Iosif Polterovich; M.Sc.(Moscow St.), Ph.D.(Weizmann Inst.)

M. Ram Murty; B.Sc.(Car.), Ph.D.(MIT), F.R.S.C.

Robert A. Seely; B.Sc.(McG.), Ph.D.(Cant.)

F. Bruce Shepherd; B.Sc.(Vic., Tor.), M.Sc., Ph.D.(Wat.)

Armen Shirikyan; M.Sc., Ph.D.(Moscow St.); Habilitation(Paris-Sud XI)

Johannes Walcher; Dip., Ph.D.(ETH Zurich) (*joint appt. with Physics*)

### **Senior Faculty Lecturer**

Axel Hundemer; M.Sc., Ph.D.(Munich)

### **Faculty Lecturers**

José A. Correa; M.Sc.(Wat.), Ph.D.(Car.)

Armel Djivede Kelome; M.Sc.(Benin), M.Sc.(McG.), Ph.D.(Georgia Tech.)

Sidney Trudeau; Ph.D.(McG.)

### **Master of Ar**

### **Complementary Courses (21 credits)**

Minimum 21 credits of approved graduate courses, with at least two courses at the 600-level or above.

### **3.11.17.8 Doctor of Philosophy (Ph.D.) Mathematics and Statistics: Bioinformatics**

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### **Required Courses (3 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
MATH 700	(0)	Ph.D. Comprehensive Examination Part A
MATH 701	(0)	Ph.D. Comprehensive Examination Part B

#### **Complementary Courses (6 credits)**

(3-6 credits)

The twelve one-semester complementary courses for the Ph.D. degree must include at least two from the list below



- History and Philosophy of Science and Mathematics;
- Contemporary European Philosophy.

The Department offers assistance to students in every aspect of placement. Our Placement Officer counsels students about coursework and areas of competence, helps to establish evidence of teaching ability, administers the dossier for job applications, and provides advice and follow-up in the interview process. Many of our graduates have gone on to do postdoctoral research and over 80% are now in tenure track or sessional appointments.

The Department offers courses of study leading to the **Ph.D.** in Philosophy. It also offers, in conjunction with the Biomedical Ethics Unit, a course of study leading to the **M.A.** degree in Bioethics.

#### **Ph.D. Program**

By December 15 of their third year in the program (Ph.D. 3) for students admitted at Ph.D. 1 and August 15 in their second year in the program (Ph.D. 3) for students admitted at Ph.D. 2, students must submit a research paper (the "candidacy paper" [3 credits]), which may be worked up from a paper written to fulfil the requirements of a graduate course, to a Thesis Advancement Committee consisting of a least two members of the staff of the Department. The membership of this committee will be determined by the Graduate Director in consultation with the student; it is anticipated that members of this committee would, in principle, direct the student's thesis.

This committee assigns a grade to the student's paper and reviews her or his graduate performance; on the basis of its assessment and review, it recommends to the Department as a whole either to permit the student to continue with the Ph.D. program and undertake a thesis or to decline to permit the student to continue. Tw

entering the Ph.D. program (at Ph.D. 1 or Ph.D. 2) will be required to complete two years of coursework. (N.B. At present, we do not normally consider applicants for an M.A. in Philosophy, with the exception of the specialty M.A. in Biomedical Ethics.)

The Department considers an Honours B.A. degree to include:

- 1.** A general knowledge of the history of W



### Affiliate Members

Steven Davis; B.A.(Roch.), M.A., Ph.D.(Ill.) (*Emeritus Professor of Philosophy, Carleton*)

Iain Macdonald; B.A.(C'dia), M.A.(Wales), D.E.A.(Nice), Ph.D.(Essex)

### 3.11.18.5 Master of Arts (M.A.) Philosophy (Thesis): Bioethics (45 credits)

#### Thesis Courses (24 credits)

BIOE 690                      (3)                      M.Sc. Thesis Literature Survey

and/or any other course at the 500, 600, or 700 level in the History of Philosophy recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of 2 courses from the following:

PHIL 643	(3)	Seminar: Medical Ethics
PHIL 644	(3)	Political Theory
PHIL 648	(3)	Seminar: Philosophy of Law

and/or any other course at the 500, 600 or 700 level in Value Theory recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of 2 courses from the following:

PHIL 606	(3)	Seminar: Philosophy of Mind
PHIL 610	(3)	Seminar on Advanced Logic 2
PHIL 611	(3)	Seminar: Philosophy of Logic and Mathematics
PHIL 615	(3)	Seminar: Philosophy of Language
PHIL 619	(3)	Seminar: Epistemology
PHIL 621	(3)	Seminar: Metaphysics
PHIL 670	(3)	Seminar: Contemporary Analytic Philosophy

and/or any other course at the 500 level or higher in Metaphysics and Epistemology recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

The remaining course(s) must be at the 500, 600, or 700 le

**Complementary Courses**

(24-30 credits)

Students admitted to Ph.D. 1 require ten complementary courses

Students admitted to Ph.D. 2 require eight complementary courses

Minimum of two courses from the following:

PHIL 651	(3)	Seminar: Ancient Philosophy 2
PHIL 656	(3)	Medieval Philosophy
PHIL 661	(3)	Seminar: 18th Century Philosophy
PHIL 667	(3)	Seminar: 19th Century Philosophy
PHIL 675	(3)	Seminar: Contemporary European Philosophy

and/or any other course at the 500, 600, or 700 level in the History of Philosophy recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of two courses from the following:

PHIL 643	(3)	Seminar: Medical Ethics
PHIL 644	(3)	Political Theory
PHIL 648	(3)	Seminar: Philosophy of Law

and/or any other course at the 500 level or higher in Value Theory recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of two courses from the following:

PHIL 606	(3)	Seminar: Philosophy of Mind
PHIL 610	(3)	Seminar on Advanced Logic 2
PHIL 611	(3)	Seminar: Philosophy of Logic and Mathematics
PHIL 615	(3)	Seminar: Philosophy of Language
PHIL 619	(3)	Seminar: Epistemology
PHIL 621	(3)	Seminar: Metaphysics
PHIL 670	(3)	Seminar: Contemporary Analytic Philosophy

and/or any other course at the 500, 600, or 700 level in Metaphysics and Epistemology recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or other course at the 500, 600, or 700 level recommended by the Advisory Committee and approved by the Environment Option Committee.

The remaining course(s) must be at the 500, 600, or 700 level and are to be chosen in consultation with the student's advisory committee.

## Language Requirement

One research language at the advanced level or two research languages at the intermediate level.

### 3.11.18.8 Doctor of Philosophy (Ph.D.) Philosophy: Gender and Women's Studies

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Philosophy who wish to earn 9 additional credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses (24 credits)

PHIL 607	(6)	Pro-Seminar 1
PHIL 682	(6)	Pro-Seminar 3
PHIL 685	(3)	Fundamentals of Logic
PHIL 690	(3)	Candidacy Paper
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

#### Complementary Courses

(24-30 credits)

Students admitted to Ph.D. 1 require ten complementary courses.

Students admitted to Ph.D. 2 require eight complementary courses.

Minimum two courses from the following:

PHIL 651	(3)	Seminar: Ancient Philosophy 2
PHIL 656	(3)	Medieval Philosophy
PHIL 661	(3)	Seminar: 18th Century Philosophy
PHIL 667	(3)	Seminar: 19th Century Philosophy
PHIL 675	(3)	Seminar: Contemporary European Philosophy

and/or any other course at the 500, 600, or 700 level in the History of Philosophy recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of two courses from the following:

PHIL 642	(3)	Seminar: Feminist Theory
PHIL 643	(3)	Seminar: Medical Ethics
PHIL 644	(3)	Political Theory
PHIL 648	(3)	Seminar: Philosophy of Law

and/or any other course at the 500, 600, or 700 level in Value Theory recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of two courses from the following:

PHIL 606	(3)	Seminar: Philosophy of Mind
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PHIL 610	(3)	Seminar on Advanced Logic 2
PHIL 611	(3)	Seminar: Philosophy of Logic and Mathematics
PHIL 615	(3)	Seminar: Philosophy of Language
PHIL 619	(3)	Seminar: Epistemology



- Nations and Nationalism;
- Health and Social Policy;
- Identity Politics.

For a full list of our affiliated research centres and institutes, please consult our website: [www.mcgill.ca/politicalscience/about-us/centres](http://www.mcgill.ca/politicalscience/about-us/centres).

Changes may take place after this content is published. Students are advised to contact the Department Office for supplementary information, which may be important to their choice of program.

#### **Master's Programs**

Students may select a program with the Thesis or the Non-Thesis (Research Project) option in completing M.A. degree requirements. They may switch from one option to the other while completing their coursework.

### ***section 3.11.19.11: Master of Arts (M.A.) Political Science (Non-Thesis): Gender and Women's Studies (45 credits)***

The Gender and Women's Studies Option offers McGill graduate students who meet the degree requirements in a participating unit and who wish to earn 6 credits of approved coursework, a cross disciplinary specialization in feminist, and gender and/or women's studies, deploying a wide array of disciplinary methodologies and modes of inquiry. The student's research paper must be on a topic centrally focused on gender and/or women's studies. See [www.mcgill.ca/igsf/programs/gws](http://www.mcgill.ca/igsf/programs/gws).

### ***section 3.11.19.12: Master of Arts (M.A.) Political Science (Non-Thesis): Social Statistics (45 credits)***

*This program is currently not offered.*

The Social Statistics Option complements disciplinary training with research experience applying statistical methods to Statistics Canada data or equivalent. Students complete course requirements, supplemented by further statistical courses, as advised by the Option Adviser, and subject to approval by the Department, and a statistics based M.A. research paper in conjunction with an interdisciplinary capstone seminar. See [www.mcgill.ca/socialstatistics](http://www.mcgill.ca/socialstatistics). Entrance to this option is by application to the Social Statistics Option Committee subsequent to acceptance into the Departmental program.

A research paper is required to demonstrate proficiency in research. It is normally about 50 pages in length and involves revision of a paper written for one of the graduate courses completed in the program. The research paper is evaluated by two faculty members in the Department.

## **Ph.D. Programs**

### ***section 3.11.19.13: Doctor of Philosophy (Ph.D.) Political Science***

The doctoral program is designed to give students the necessary foundation for making original contributions to knowledge. Graduate courses provide students with analytical and theoretical tools used in particular subfields. This general training includes specialized training in research methods. Recent graduates of our doctoral program are pursuing diverse employment opportunities; see: [www.mcgill.ca/politicalscience/grad/news](http://www.mcgill.ca/politicalscience/grad/news).

### ***section 3.11.19.14: Doctor of Philosophy (Ph.D.) Political Science: Gender and Women's Studies***

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Political Science and who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods.

This option is a cross-disciplinary specialization run by the *McGill Institute for Gender, Sexuality, and Feminist Studies*. The student's doctoral thesis must be on a topic centrally related to gender and/or women's studies. For more information on the option, see [www.mcgill.ca/igsf/programs/gws](http://www.mcgill.ca/igsf/programs/gws).

## **3.11.19.3 Political Science Admission Requirements and Application Procedures**

### **3.11.19.3.1 Admission Requirements**

The graduate Admissions Committee only considers applications from those who already have an undergraduate academic degree in political science or a closely related field (e.g., international studies, sociology, philosophy for prospective political theorists, etc.). Those without this required background occasionally enrol as Special Students in the undergraduate program and take upper-level undergraduate courses in order to build the academic record necessary to apply to the graduate program.

#### **Master's**

Students holding a B.A. degree may be eligible for admission to the M.A. program. Preparation equivalent to a McGill Honours degree in Political Science is desirable.

#### **Ph.D.**

Students holding a master's degree in political science may be eligible for admission to the Ph.D. program. In some instances, outstanding students with a B.A. in Political Science may be admitted directly into the Ph.D. program without having completed an M.A. degree. They will be considered Ph.D. 1.

#### **Reference Letters**

All applicants, including those who have done their undergraduate work at McGill, must submit two letters of reference. It is recommended that you contact your referees at least a month in advance of the deadline. **Applications that do not have references by January 15 will not be considered.**

#### **GRE and TOEFL Exams**

*GRE* results are required for applications to the doctoral program. Use codes McGill **0935** – Political Science **1999**. The test should be written well in advance of the application deadline. GRE results are not required for students applying to the master's program.

Applicants to Tfl2aster's

### **3.11.19.32 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

#### **3.11.19.32.1 Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- Research Statement – maximum one (1) page single-spaced, a concise academic statement
-

**Professors**

Vincent Pouliot; B.Sc.(Montr.), D.E.A.(Bordeaux), Ph.D.(Tor.) (*William Dawson Scholar*)

Filippo Sabetti; B.A.(McM.), M.A., Ph.D.(Ind.)

Richard Schultz; B.A.(York), M.A.(Manc.), Ph.D.(York)

Dietlind Stolle; M.A.(Claremont), Ph.D.(Princ.)

Narendra Subramanian; B.A.(Princ.), M.A., Ph.D.(MIT)

Harold M. Waller; M.S.(N'western), Ph.D.(G'town)

**Associate Professors**

Arash Abizadeh; B.A.(Winn.), M.Phil.(Oxf.), Ph.D.(Harv.)

Victor Muñoz Fraticelli; B.A.(Cornell), J.D.(Puerto Rico), M.A., Ph.D.(Chic.)

Erik Kuhonta; B.A.(Penn.), M.A., Ph.D.(Princ.)

Catherine Lu; B.A., M.A.(Br. Col.), Ph.D.(Tor.)

Hudson Meadwell; B.A.(Manit.), M.A., Ph.D.(Duke)

Khalid Medani; B.A.(Brown), M.A.(G'town), M.A., Ph.D.(Calif., Berk.)

Krzysztof Pelc; B.A., B.Com.(Qu.), Ph.D.(G'town) (*William Dawson Scholar*)

Maria Popova; B.A.(Dart.), Ph.D.(Harv.)

Christa Scholtz; B.A.(Alta.), M.A.(Ott.), Ph.D.(Princ.)

**Assistant Professors**

Leonardo Baccini; M.A.(Bologna), Ph.D.(Trinity Coll., Dublin)

Manuel Balan; Proc., J.D.(Palermo), Ph.D.(Texas-Austin)

Megan Bradley; M.A.(St. And.), M.Sc., D.Phil.(Oxf.)

Aaron Erlich; M.A.(G'town), M.A.(Wash.), Ph.D.(Wash.)

Kelly Gordon; B.A.(Calg.), M.A., Ph.D.(Ott.)

Fernando Nuñez-Mietz; B.A.(Univ. de San Andrés, Argentina), M.A., Ph.D.(Ohio St.)

William Clare Roberts; B.A.(Carleton Coll.), Ph.D.(Penn. St.)

Hamish van der Ven; M.A.(Br. Col.), Ph.D.(Tor.)

Juan Wang; B.A.(Henan), M.A.(Peking), Ph.D.(Johns Hop.)

Yves Winter; B.Sc.(LSE), M.A.(Paris X), Ph.D.(Calif., Berk.)

**Associate Members**

Benjamin Forest; M.A., Ph.D.(Calif.-LA)

Daniel Weinstock; M.A.(McG.), D.Phil.(Oxf.)

**Academic Associates**

Sara Maria Loui Vissers; M.A., Ph.D.(Catholic U. of Leuven)

Heidi Hoernig; M.A., Ph.D.(Wat.)

**3.11.19.5 Master of Arts (M.A.) Political Science (Thesis) (45 credits)****Thesis Courses (24 credits)**

A thesis is required to demonstrate proficiency in research. It is normally about 100 pages long and is subject to evaluation by one examiner internal to the Department and one examiner external to the Department.

POLI 697	(12)	M.A. Thesis Proposal
POLI 698	(12)	Master's Thesis Submission

**Required Course (6 credits)**

POLI 691 (6) Bibliographic Methods 1

**Complementary Courses (15 credits)**

3-6 credits, either of the following 3-credit options or, preferably, both:

POLI 612 (3) Research Methods in Political Science

or a more suitable advanced course

or, one of the following courses:

POLI 561 (3) Seminar: Political Theory

POLI 613 (3) Selected Themes: Political Theory

POLI 614 (3) Classical Political Thought

POLI 616 (3) Modern Political Analysis

POLI 617 (3) Problems in Political Theory

9-12 credits of 500- or 600-level courses as determined by the student's area of study.

Of the 15 credits of complementary courses, up to 3 credits may be outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department. **vidual program appr7 ypl**

6-9 credits of 500- or 600-level courses. A course list is available from the Department.

Of the 12 credits of complementary courses, up to 3 credits may be taken from outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

### **3.11.19.7 Master of Arts (M.A.) Political Science (Thesis): European Studies (45 credits)**

#### **Thesis Courses (24 credits)**

POLI 697	(12)	M.A. Thesis Proposal
POLI 698	(12)	Master's Thesis Submission

#### **Required Courses (9 credits)**

POLI 659	(3)	Interdisciplinary Seminar in European Studies
POLI 691	(6)	Bibliographic Methods 1

#### **Complementary Courses (12 credits)**

3-6 credits, either of the following 3-credit options, or preferably both:

POLI 612	(3)	Research Methods in Political Science
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or a suitable more advanced 500- or 600-level course.

or one of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Classical Political Thought
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

3-6 credits from the following group of courses on European politics:

POLI 619	(3)	Immigrants / Refugees / Minorities
POLI 628	(3)	Comparative Politics
POLI 629	(3)	Post-Communist Transformations
POLI 630	(3)	Topics in European Politics
POLI 639	(3)	Politics of Developed Areas
POLI 651	(3)	The EU and Political Integration
POLI 680	(3)	Social Change/Advanced Industrialized Democracies

3-6 credits at the 500, 600, or 700 level in courses in political science. A course list is available from the Department.

Of the 12 credits of complementary courses, up to 3 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**3.11.19.8 Master of Arts (M.A.) Political Science (Non-Thesis) (45 credits)****Research Project (18 credits)**

POLI 693	(3)	M.A. Research Proposal
POLI 694	(3)	Research Preparation 1
POLI 695	(3)	Research Preparation 2
POLI 696	(3)	Research Preparation 3
POLI 699	(6)	Master's Research Essay

**Required Course (6 credits)**

POLI 691	(6)	Bibliographic Methods 1
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**Complementary Courses (21 credits)**

3-6 credits, either of the following 3-credit options, or preferably, both:

POLI 612	(3)	Research Methods in Political Science
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or a suitable more advanced course.

One of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Classical Political Thought
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

15-18 credits of 500- or 600-level courses; up to 6 credits may be outside the Department.

**3.11.19.9 Master of Arts (M.A.) Political Science (Non-Thesis): Development Studies (45 credits)****Research Project (18 credits)**

POLI 693	(3)	M.A. Research Proposal
POLI 694	(3)	Research Preparation 1
POLI 695	(3)	Research Preparation 2
POLI 696	(3)	Research Preparation 3
POLI 699	(6)	Master's Research Essay

**Required Courses (9 credits)**

INTD 657	(3)	Development Studies Seminar
POLI 691	(6)	Bibliographic Methods 1

**Complementary Courses (18 credits)**

3-6 credits, either of the following 3-credit options or, preferably, both:

POLI 612	(3)	Research Methods in Political Science
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or a suitable more advanced 500- or 600-level course.

One of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Classical Political Thought
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

12-15 credits of additional 500- or 600-level courses related to international development studies. Course list is available from the Department.

Of the 18 credits of complementary courses, up to 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program in international development studies approved by the Department.

### **3.11.19.10 Master of Arts (M.A.) Political Science (Non-Thesis): European Studies (45 credits)**

#### **Research Project (18 credits)**

POLI 693	(3)	M.A. Research Proposal
POLI 694	(3)	Research Preparation 1
POLI 695	(3)	Research Preparation 2
POLI 696	(3)	Research Preparation 3
POLI 699	(6)	Master's Research Essay

#### **Required Courses (9 credits)**

POLI 659	(3)	Interdisciplinary Seminar in European Studies
POLI 691	(6)	Bibliographic Methods 1

#### **Complementary Courses (18 credits)**

3-6 credits, either of the following 3-credit options or, preferably, both:

POLI 612	(3)	Research Methods in Political Science
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or a suitable more advanced 500- or 600-level course

or one of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Classical Political Thought
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

6-9 credits from the following group of courses on European Politics:

POLI 619	(3)	Immigrants / Refugees / Minorities
POLI 628	(3)	Comparative Politics
POLI 629	(3)	Post-Communist Transformations



POLI 630	(3)	Topics in European Politics
POLI 639	(3)	Politics of Developed Areas
POLI 651	(3)	The EU and Political Integration
POLI 680	(3)	Social Change/Advanced Industrialized Democracies

3-6 credits at the 500, 600, or 700 level in courses in the Department. A course list is available from the Department.

Of the 18 credits of complementary courses, up to 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

### **3.11.19.11 Master of Arts (M.A.) Political Science (Non-Thesis): Gender and Women's Studies (45 credits)**

#### **Research Project (18 credits)**

POLI 693	(3)	M.A. Research Proposal
POLI 694	(3)	Research Preparation 1
POLI 695	(3)	Research Preparation 2
POLI 696	(3)	Research Preparation 3
POLI 699	(6)	Master's Research Essay

#### **Required Courses (9 credits)**

POLI 691	(6)	Bibliographic Methods 1
WMST 601	(3)	Feminist Theories and Methods

#### **Complementary Courses (18 credits)**

3-6 credits, either of the following 3-credit options, or preferably, both:

POLI 612	(3)	Research Methods in Political Science
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or a suitable more advanced course at the graduate level.

or one of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Classical Political Thought
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

9-12 credits at the 500- or 600-level as determined by the student's area of study.

3 additional credits in gender/women's studies, either:

WMST 602	(3)	Feminist Research Symposium
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or another approved course on gender/women's studies.

Note: Should the "other" approved gender/women's studies course be taken in the Department of Political Science, the student is eligible to take a 500- or 600-level course as determined by the student's area of study outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**3.11.19.12 Master of Arts (M.A.) Political Science (Non-Thesis): Social Statistics (45 credits)**

This program is currently not offered.

**Research Project (18 credits)**

POLI 693	(3)	M.A. Research Proposal
POLI 694	(3)	Research Preparation 1
POLI 695	(3)	Research Preparation 2
POLI 696	(3)	Research Preparation 3
POLI 699	(6)	Master's Research Essay

**Required Course (6 credits)**

POLI 691	(6)	Bibliographic Methods 1
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**Complementary Courses (21 credits)**

3 credits chosen from the following:

ECON 688	(3)	Seminar on Social Statistics
POLI 688	(3)	Seminar on Social Statistics

3-6 credits, either of the following 3-credit options, or preferably both:

POLI 612	(3)	Research Methods in Political Science
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or a suitable more advanced course.

One of the following:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Classical Political Thought
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

12-15 credits of 500- or 600-level POLI courses; up to 6 credits in related disciplines may be allowed if they are appropriate to the program.

Candidates for the M.A. degree follow a program approved on an individual basis by the Department.

**3.11.19.13 Doctor of Philosophy (Ph.D.) Political Science****Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses**

POLI 701	(0)	Ph.D. General Written Examination First Field
POLI 702	(0)	Ph.D. General Written Examination Second Field

**Complementary Courses (13 courses)**

13 courses at the 500, 600, or 700 level chosen as follows:

**Major Fields: 8 courses**

Four courses chosen in first major field.

Four courses chosen in second major field.

Note: One course out of the eight must be a 700-le



- quantitative psychology;
- social psychology;
- personality psychology.

Facilities for advanced research in a variety of fields are available within the Department itself. In addition, arrangements exist with the Departments of Psychology at the Montreal Neurological Institute and Hospital, Allan Memorial Institute, Douglas Mental Health University Institute, Jewish General Hospital, Montreal Children's Hospital, and the Montreal General Hospital, to permit graduate students to undertake research in a hospital setting.



**Note:** Many MUHC-affiliated hospitals and institutes are now located at the Glen site; further information is available on the [MUHC website](#).

For inquiries about all programs and financial aid, and for application forms, contact the [Graduate Program Coordinator](#), Department of Psychology.

#### **Ph.D. Option in Behavioural Neuroscience**

Information about this option is available from the Department and at <http://www.mcgill.ca/psychology/research-0/behavioral-neuroscience>.

#### **Ph.D. Option in Language Acquisition (LAP)**

Information about this option is available from the Department and at [www.psych.mcgill.ca/lap.html](http://www.psych.mcgill.ca/lap.html) and [www.mcgill.ca/psychology/graduate/program-tracks/experimental/additional-program-opportunities](http://www.mcgill.ca/psychology/graduate/program-tracks/experimental/additional-program-opportunities).

#### **Ph.D. Option in Psychosocial Oncology (PSO)**

A cross-disciplinary option in Psychosocial Oncology is offered within the existing Ph.D. program in Psychology. Information about this option is available from the Department and at [www.medicine.mcgill.ca/oncology/programs/programs\\_psychosocialoncology.asp](http://www.medicine.mcgill.ca/oncology/programs/programs_psychosocialoncology.asp) and [www.mcgill.ca/psychology/graduate/program-tracks/clinical/additional-program-opportunities](http://www.mcgill.ca/psychology/graduate/program-tracks/clinical/additional-program-opportunities).

**Arts > Graduate > Browse Academic Units & Programs > Psychology > [section 3.11.20.5: Master of Arts \(M.A.\) Psychology \(Thesis\) \(45 credits\)](#)**

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

**Science > Graduate > Browse Academic Units & Programs > Psychology > [section 14.11.9.5: Master of Science \(M.Sc.\) Psychology \(Thesis\) \(45 credits\)](#)**

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

**[section 3.11.20.6: Doctor of Philosophy \(Ph.D.\) Psychology](#)**

Please contact the Department for more information about this program.

**[section 14.11.9.7: Doctor of Philosophy \(Ph.D.\) Psychology: Behavioural Neuroscience](#)**

The Ph.D in Psychology: Behavioural Neuroscience program emphasizes modern, advanced theory and methodology aimed at the neurological underpinnings of behaviour in human and non-human animals. This program is intended for graduate students in an

### **3.11.20.3 Psychology Admission Requirements and Application Procedures**

#### **3.11.20.3.1 Admission Requirements**

Admission to the graduate program depends on an evaluation of students' research interests and their aptitude for original contributions to knowledge and, if applicable, for professional contrib

**Graduate Program Director**

D. Titone

**Clinical Program Director**

B. Ditto

**Undergraduate Program Director**

G. O'Driscoll

**Emeritus Professors**

## **Professors**

T.R. Shultz; B.A.(Minn.), Ph.D.(Yale)

M. Sullivan; B.A.(McG.), M.A., Ph.D.(C'ia)

D. Titone; B.A.(NYU), M.A., Ph.D.(SUNY, Binghamton)

D.C. Zuroff; B.A.(Harv.), M.A., Ph.D.(Conn.)

## **Associate Professors**



## Adjunct Professors

M. Bruck, Y. Chudasama, P. Delisle, S. Harnad, D.J. Levitin, Z. Pleszewski, H.-T. Yu, P. Zelazo

### 3.11.20.5 Master of Arts (M.A.) Psychology (Thesis) (45 credits)

M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a stage in the Ph.D. program. There is no M.A. or M.Sc. program in Clinical Psychology.

#### Thesis Courses (27 credits)<sup>(3)</sup>

PSYC 690	(15)	Masters Research 1
PSYC 699	(12)	Masters Research 2

#### Required Courses (18 credits)

PSYC 601	(6)	Master's Comprehensive
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

### 3.11.20.6 Doctor of Philosophy (Ph.D.) Psychology

All candidates for the Ph.D. degree<sup>(3)</sup> must demonstrate broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of their special field. Great emphasis is placed on the development of research skills, and the dissertation forms the major part of the evaluation at the Ph.D. leDoas5a512P 1 PCLinical Psychogree mfulfil simischt o(Reqmlopssto lthe Phstudlopssues at in Experimentc. progl, ree malso takam. )Tj1 (

(3)

(3)

(3)

PSYC 724	(3)	Personality and Social Psychology
PSYC 725	(3)	Personality and Social Psychology
PSYC 727	(3)	Personality and Social Psychology
PSYC 728	(3)	Ethics and Professional Issues
PSYC 729	(3)	Theory of Assessment
PSYC 730	(3)	Clinical Neuroscience Methods
PSYC 732	(3)	Clinical Psychology 1
PSYC 733	(3)	Clinical Psychology 2
PSYC 734	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
PSYC 736	(3)	Developmental Psychology and Language
PSYC 740	(3)	Perception and Cognition
PSYC 741	(3)	Perception and Cognition
PSYC 742	(3)	Perception and Cognition
PSYC 743	(3)	Perception and Cognition
PSYC 744	(3)	Perception and Cognition
PSYC 746	(3)	Quantitative and Individual Differences
PSYC 747	(3)	Quantitative and Individual Differences
PSYC 748	(3)	Quantitative and Individual Differences
PSYC 749	(3)	Quantitative and Individual Differences
PSYC 752D1	(3)	Psychotherapy and Behaviour Change
PSYC 752D2	(3)	Psychotherapy and Behaviour Change
PSYC 753	(3)	Health Psychology Seminar 1
PSYC 754	(3)	Health Psychology Seminar 2
PSYC 755	(3)	Health Psychology Seminar 3
PSYC 756	(3)	Health Psychology Seminar 4

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

Note: The Department of Psychology does not ordinarily require an examination in a foreign language however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

### **3.11.20.7 Doctor of Philosophy (Ph.D.) Psychology: Behavioural Neuroscience**

\*\* NEW PROGRAM \*\*

The Ph.D. in Psychology; Behavioural Neuroscience program emphasizes modern, advanced theory and methodology aimed at the neurobiological underpinnings of behaviour in human and non-human animals. This program is intended for graduate students in any area of Psychology who wish to obtain unique, intensive training at the intersection of psychology and neuroscience, thereby enhancing their expertise; the interdisciplinary potential of their dissertation research, and enabling them to compete successfully for academic or commercial positions in either field alone, or their intersection. It requires that students complete a dissertation that addresses Behavioural Neuroscience themes as determined by the graduate program director.

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field of Behavioural Neuroscience and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses

PSYC 701	(0)	Doctoral Comprehensive Examination
PSYC 781	(3)	Behavioural Neuroscience Special Topics
PSYC 782	(3)	Behavioural Neuroscience Advanced Seminar

### Complementary Courses

6-18 credits

6 credits (one course per term in Year 2 and Year 3) chosen from relevant 700-level courses in consultation with the supervisor and graduate program director.

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

Note: The Department of Psychology does not ordinarily require an examination in a foreign language however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

### 3.11.20.8 Doctor of Philosophy (Ph.D.) Psychology: Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Psychology. The Ph.D. thesis must be on a topic relating to language acquisition.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (6 credits)

Language Acquisition Y6.607 Tm(Reque0 1 165.864 494.422 Tm.)Teae(2j1 0 0 1 70.52 462.984 Tm(LanguI32a9nTm.)

PSYC 722	(3)	Personality and Social Psychology
PSYC 723	(3)	Personality and Social Psychology
PSYC 724	(3)	Personality and Social Psychology
PSYC 725	(3)	Personality and Social Psychology
PSYC 727	(3)	Personality and Social Psychology
PSYC 728	(3)	Ethics and Professional Issues
PSYC 729	(3)	Theory of Assessment
PSYC 730	(3)	Clinical Neuroscience Methods
PSYC 732D1	(1.5)	Clinical Psychology 1
PSYC 732D2	(1.5)	Clinical Psychology 1
PSYC 733D1	(1.5)	Clinical Psychology 2
PSYC 733D2	(1.5)	Clinical Psychology 2
PSYC 734	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
PSYC 736	(3)	Developmental Psychology and Language
PSYC 740	(3)	Perception and Cognition
PSYC 741	(3)	Perception and Cognition
	<b>(3)</b>	<b>Perception and Cognition</b>

LING 751	(3)	Advanced Seminar: Experimental 1
LING 752	(3)	Advanced Seminar: Experimental 2
PSYC 545	(3)	Topics in Language Acquisition
PSYC 735	(3)	Developmental Psychology and Language
SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children
SCSD 633	(3)	Language Development
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 654	(3)	Advanced Research Seminar 3

0-2 from the following:

EDSL 711	(2)	Language Acquisition Issues 3
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0-3 credits of statistics from the following list:

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
LING 620	(3)	Experimental Linguistics: Methods
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

Students who have taken an equivalent course in statistics will be deemed to have satisfied this requirement for the Language Acquisition Option.

These 3 credits are only required for students who have not previously taken an equivalent course in statistics.

0-12 credits from the following (students without a McGill master's degree need to take all 12 credits):

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

Note: The Department of Psychology does not ordinarily require an examination in a foreign language however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

### 3.11.20.9 Doctor of Philosophy (Ph.D.) Psychology: Psychosocial Oncology

The Ph.D. thesis topic must be germane to psychosocial oncology and approved by the PSO coordinating committee.

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses (12 credits)

NUR2 705	(3)	Palliative Care
NUR2 783	(3)	Psychosocial Oncology Research
PSYC 701	(0)	Doctoral Comprehensive Examination

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 710 to PSYC 758.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language; however, all students planning on practising clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

### **3.11.21.2 Public Policy Admission Requirements and Application Procedures**

#### **3.11.21.2.1 Admission Requirements**

The M.P.P. program is directed at early career professionals, normally with two to five years professional experience, who are interested in developing expertise in the field of public policy. Recent graduates with an exceptional academic record will also be considered.

A Bachelor's degree (or equivalent as recognised by McGill University) is required.

The ideal applicant will have completed undergraduate courses in Political Science, Economics, Quantitative Methods, and/or Statistics. A CGPA of 3.60 out of 4.00 recommended.

Students who do not have an undergraduate or graduate degree from a Canadian University must take the Graduate Record Examination (GRE; General Test). Please use codes McGill **0935** when writing the exam.

Applicants who earned a bachelor's degree outside Canada, the United States, Australia, New Zealand, or the United Kingdom, are required to take the Test of English as a F

### Associate Professors

Sébastien Jodoin; B.C.L./LL.B.(McG.), LL.M.(LSE), M.Phil.(Camb.), Ph.D.(Yale)

Nicholas King; B.A.(Penn.), M.A., Ph.D.(Harv.)

### Visiting Professors

Joseph Heath; B.A.(McG.), M.A., Ph.D.(N'western)

Cindy Skrzycki; B.A.(Canisius), B.Sc.(Amer.)

### Professors of Practice

Mark Lloyd; A.B.(Mich.), J.D.(G'town)

David Shribman; A.B.(Dart.), James Reynolds American Scholar(Camb.)

### Lecturers

Dale Beugin; M.A.(S.Fraser)

Russell Copeman; B.A.(Hons.)(McG.), M.A.(C'dia)

Adam Daifallah; B.A.(Hons.)(Qu.), L.L.B.(Laval)

Laura Dawson; Ph.D.(Car.)

Don Drummond; B.A.(Vic., BC), M.A.(Qu.)

Nathalie Duchesnay; B.Com(ULACIT), M.B.A.(McG.)

Chantal Hébert; B.A.(Glendon)

Tasha Kherridian; B.C.L./LL.B.(McG.)

Louis Lévesque; B.A., M.A.(Laval)

Kevin Page; B.A.(Hons.)(S. Fraser & Lake.), M.A.(Qu.)

Ian Peach; B.A.(Dal.), J.D., L.L.M.(Qu.)

Jamison Steeve; B.A. (Hons.), B.Ed(Qu.), LL.B.(Dal.), Graduate School of Business(Stan.)

Brian Topp; B.A.(McG.)

#### 3.11.21.4 Master of Public Policy (M.P.P.) Public Policy (45 credits)

The non-thesis, course-based Master of Public Policy (MPP) is designed for a discrete cohort of students who will take six core courses together and participate in an intensive policy lab in the month of May with the goal of providing graduate-level education and training in public policy across a range of domains and contexts while emphasizing collaborative learning and applied methods. At the same time, the curriculum is designed to provide thorough grounding in the intellectual legacies 24.821 443.3268Bm2.5286.38 Tm(g)Tj1 0 0 1 1di5.69t 443.3268Bm2e8 Tm(g)Tj1 0 0 1 1diwg





### **3.11.23.2 About Religious Studies**

The School of Religious Studies offers programs leading to the degrees of:

- Master of Arts (M.A.) (Thesis and Non-Thesis)
- Master of Arts (M.A.) (Thesis) with specialization in Bioethics
- Master of Arts (M.A.) (Thesis) with option in Gender and Women's Studies
- Master of Sacred Theology (S.T.M.)
- Doctor of Philosophy (Ph.D.)
- An interdisciplinary option in Gender and Women's Studies is also available for doctoral students.

The areas of graduate specializations of our School are:

- Hebrew Bible and/or Old Testament Studies;
- Early Judaism;
- Greco-Roman Judaism;
- New Testament and Early Christianity;
- Church History;
- Christian Theology;
- Philosophy of Religion;
- Religious Ethics;
-

*section 3.11.23.6: Master of Arts (M.A.) Religious Studies (Thesis): Bioethics (45 credits)*

The M.A. (Thesis) with specialization in Bioethics is offered in conjunction with the Bioethics Unit. Please contact the School of Religious Studies or Bioethics Unit for more information about this specialization. The curriculum is composed of required courses (6 credits) offered in the Biomedical Ethics

Applicants must possess a B.A. with a Major or Honours in Religious Studies or a Bachelor of Theology (B.Th.), or a Master of Divinity (M.Div.) degree, normally with a minimum CGPA of 3.3/4.0 (B+) from an accredited university or college. Applicants with fewer than 30 appropriate credits in Religious Studies or Theology are normally required to take a Qualifying Program before entering the M.A.

**Master of Sacred Theology (S.T.M.)**

Applicants must possess a B.A., normally with at least a good second-class standing (B+ or CGP

### Graduate Program Director and Admissions Chair

W.J. Torrance Kirby

### Administrative Officers

Francesca Maniaci

### Emeritus Professors

Maurice Boutin; B.A., B.A., B.A.(Montr.), D.Th.(Munich)

Douglas J. Hall; B.A.(W. Ont.), M.Div., S.T.M., Th.D.(U.T.S., N.Y.), L.L.D.(Wat.), D.D.(Pres. Col.), D.D.(Qu.)

Donna Runnalls; B.A.(Br. Col.), B.D.(McG.), Ph.D.(Tor.)

Frederik Wisse; Ing.(Utrecht), B.A., B.D.(Calvin, Mich.), Ph.D.(Claremont)

Katherine K. Young; B.A.(Vermont), M.A.(Chic.), Ph.D.(McG.)

### Post-Retirement Professor

G. Victor Hori; B.A.(York), M.A.(Tor.), Ph.D.(Stan.) (*Japanese Religions*)

### Professors

Douglas B. Farrow; B.R.E.(Providence), M.Div.(Grace), M.Th.(Regent), Ph.D.(Lond.) (*Christian Thought*)

W.J. Torrance Kirby; B.A.(KCNS), M.A., D.Phil.(Oxf.) (*Ecclesiastical History*)

G.S. Oegema; B.A., Th.D.(Vrije, Amsterdam), M.A., Ph.D.(Free Univ., Berlin), Dr. Theol. Habil(Tübingen) (*Biblical Studies*)

Armando Salvatore; M.A.(L'Orientale, Naples), Ph.D.(EUI, Florence), Dr. Habil.(Humboldt, Berlin) (*Barbara and Patrick Keenan Chair in Interfaith Studies*)

Arvind Sharma; B.A.(Allahabad), M.A.(Syrac.), M.T.S., Ph.D.(Harv.) (*Henry Birks Professor of Comparative Religion*)

### Associate Professors

Lara Braitstein; M.A.(McG.) (*Indo-Tibetan Buddhism*)

Daniel Cere; B.A, M.A.(McG.), Ph.D.(C' dia) (*Religion, Ethics, and Public Policy*)

Gaëlle Fiasse; B.A., M.A., Ph.D.(Louvain-le-Neuve) (*Ethics and Religious Ethics*) (joint appt. with Department of Philosophy)

Garth W. Green; M.A.(Boston), M.A.(Leuven), Ph.D.(Boston) (*John W. McConnell Professor of Philosophy of Religion*)

Ian H. Henderson; B.A.(Manit.), B.D.(St. And.), M.A.(McM.), D.Phil.(Oxf.) (*New T*)

### **Adjunct Faculty**

Angelica Piché; B.A.(Saarbrucken), M.Th.(Ludwig-Maximillian)

Vanessa Sasson; B.A., M.A., Ph.D.(McG.)

Davesh Soneji; B.A.(Manit.), Ph.D.(McG.) (*South Asian Religion*)

Dale Woods; B.A.(Alta.), M.C.S.(Regent), M.Div.(Vancouver School of Theology), D.Min.(Luther Seminary)

Jesse Zink; B.A.(Acad.), M.A.(Chic.), M.Div.(Yale), Ph.D.(Camb.)

### **Associate Member**

George Di Giovanni; Ph.D.(Tor.)

### **Affiliate Members**

Hillel BrauyRs

**Required Courses (12 credits)**

BIOE 680	(3)	Bioethical Theory
BIOE 681	(3)	Bioethics Practicum





## **Language Requirements**

Students are required to give their area committee evidence of reading knowledge of two languages other than English. These languages must be chosen from modern languages in which there is a significant amount of scholarship relevant to the student's area of research, or from classical languages relevant to the student's area of research.

Research in some disciplines, or on certain thesis topics, may require proficiency in more than two languages besides English. In that case, additional language requirements may be stipulated by the supervisor.

## **Doctoral Colloquium**

As one of their requirements, all Ph.D. students in residence shall attend the monthly graduate colloquium, at which time a student's thesis project is formally presented and discussed. Each student is required to present an aspect of his or her thesis research to a meeting of the Doktorklub before the thesis is submitted.

### **3.11.23.11 Doctor of Philosophy (Ph.D.) Religious Studies: Gender and Women's Studies**

#### **Thesis**

Presentation to Doktorklub of student's thesis research.

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### **Required Courses**

R9.119 Tc1 0 0 1 68.5ther7o (0) 120arch adv Major Comprehensive Examination

## 3.11.24 Social Studies of Medicine

### 3.11.24.1 Location

Department of Social Studies of Medicine  
3647 Peel Street  
Montreal QC H3A 1X1  
Canada  
Telephone: 514-398-6033  
Email: [dept.ssom@mcgill.ca](mailto:dept.ssom@mcgill.ca)  
Website: [www.mcgill.ca/ssom](http://www.mcgill.ca/ssom)

### 3.11.24.2 About Social Studies of Medicine

The Department (SSOM) offers graduate studies in three areas:

- Medical Anthropology thesis program, given jointly with the Department of Anthropology;
- History of Medicine non-thesis program, given jointly with the Department of History and Classical Studies; and
- Medical Sociology thesis & non-thesis programs, given jointly with the Department of Sociology.

In each program, the student may work toward the M.A. and Ph.D. degrees. All degrees are awarded by the relevant Faculty of Arts department. For further information regarding those departments, please consult the [section 3.11.1: Anthropology](#), [section 3.11.10: History and Classical Studies](#), or [section 3.11.26: Sociology](#) sections.

The Department (SSOM) is interdisciplinary, with faculty in the fields of medical anthropology, medical history, and medical sociology. In its programs of graduate studies, it attempts to provide two things: training that is solidly grounded in the discipline of the chosen program, i.e., in anthropology, history, or sociology; and, through seminars and interaction with Department members and other graduate students, exposure to the other disciplines that are represented in the Department. The Department aims to instill in its graduates a combination of disciplinary competence and interdisciplinary perspective.

#### [section 3.11.1.9: Master of Arts \(M.A.\) Medical Anthropology \(Thesis\) \(48 credits\)](#)

The program is open to students with backgrounds in the social sciences, the medical professions, or the medical sciences. The M.A. degree is awarded by the Anthropology Department and admission is granted by a joint Admissions Committee made up of representatives from Anthropology and the Department of Social Studies of Medicine.

#### [section 3.11.10.13: Master of Arts \(M.A.\) History of Medicine \(Non-Thesis\) \(45 credits\)](#)

The program is composed of required courses, graduate seminars, plus a major research paper. The program is normally completed in three terms, or one calendar year.

#### [section 3.11.26.8: Master of Arts \(M.A.\) Medical Sociology \(Thesis\) \(45 credits\)](#)

This includes coursework and a research thesis that is based on original research.

#### [section 3.11.26.12](#)

The program is open to students with a background in social sciences, health professions, or health sciences. It aims to prepare candidates for a career of teaching and research in medical sociology, and there is consequently a preference for applicants with the potential to proceed to the doctoral degree.

#### Ph.D. Programs

Candidates for a Ph.D. will normally have taken their M.A. in the same field. Please refer to the appropriate department: [section 3.11.1: Anthropology](#), [section 3.11.10: History and Classical Studies](#), or [section 3.11.26: Sociology](#).

#### 3.11.24.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

#### M.A. in Medical Anthropology

Admission is granted by a joint Admissions Committee made up of representatives from Anthropology and SSOM.

For details concerning applications, teaching assistantships, fellowships, etc., see the [Department of Anthropology website](#).

#### M.A. in the History of Medicine

Application is made directly to the Department of History and Classical Studies. For details, see the [Department of History and Classical Studies website](#).

#### M.A. in Medical Sociology

Admission is granted by representatives from Sociology and SSOM. For details concerning applications, teaching, assistantships, fellowships, etc., see the [Department of Sociology website](#).

#### Ph.D. Programs

Please refer to the appropriate department: [section 3.11.1: Anthropology](#), [section 3.11.10: History and Classical Studies](#), or [section 3.11.26: Sociology](#).

#### 3.11.24.3.3 Application Dates and Deadlines

The application deadlines to the Social Studies of Medicine Option may vary depending on the department you are applying to. For more information, please contact the [Graduate Program Coordinator](#) in the department you are interested in.

#### 3.11.24.4 Social Studies of Medicine Faculty

##### Chair

Annamarie Adams

##### Emeritus Professor

Margaret Lock; B.Sc.(Leeds), M.A., Ph.D.(Calif., Berk.) (*Marjorie Bronfman Professor in Social Studies in Medicine*)

##### Professors

Annamarie Adams; M.Arch, Ph.D.(Calif., Berk.) (*Stevenson Chair in the History and Philosophy of Science, including Medicine*)

Alberto Cambrosio; M.Env.(Sher.), Ph.D.(Montr.)

Thomas Schlich; M.D.(Marburg), Ph.D.(Freiburg) (*James McGill Professor in the History of Medicine*)

Andrea Tone; B.A.(Qu.), M.A., Ph.D.(Emory) (*Canada Research Chair in the Social History of Medicine*)

George Weisz; M.A., Ph.D.(SUNY), Dr. 3rd Cy.(Paris V) (*Cotton-Hannah Professor of the History of Medicine*)

Allan Young; M.A.(Wash.), B.A., Ph.D.(Penn.) (*Marjorie Bronfman Professor in Social Studies in Medicine*)

##### Associate Professors

Jennifer Fishman; M.A.(Calif., Irvine), Ph.D.(Calif.-San Francisco)

Jonathan Kimmelman; M.A., Ph.D.(Yale)

Nicholas King; M.A., Ph.D.(Harv.)

Tobias Rees; M.A.(Tübingen), Ph.D.(Calif., Berk.)

Faith E. Wallis; M.A., M.L.S.(McG.), Ph.D.(Tor.)

### 3.11.25 Social Work

#### 3.11.25.1 Location

School of Social Work  
Wilson Hall

3506 University Street, Suite 300  
Montreal QC H3A 2A7  
Canada  
Telephone: 514-398-7070  
Fax: 514-398-4760  
Email: [graduate.socialwork@mcgill.ca](mailto:graduate.socialwork@mcgill.ca)  
Website: [www.mcgill.ca/socialwork](http://www.mcgill.ca/socialwork)

### **3.11.25.2 About Social Work**

The School of Social Work offers dynamic M.S.W. and Ph.D. programs, designed to explore cutting-edge knowledge on social work theory, practice, policy, and research. We have an exciting and growing faculty with a variety of research and practice expertise in the fields of:

- child welfare;
- health, mental health, and disability;
- poverty;
- aging;
- First Peoples;
- marginalized groups (e.g., immigrants and refugees, war affected populations, gay, lesbian, bisexual, and transgender people);
- loss and bereavement;
- domestic violence; and
- international social work.

Our approaches to practice and research cover all levels of intervention from individuals, families, groups, and communities. Located within the School of Social Work are specialized centres devoted to research and training in the areas of domestic violence; children and families; and international human rights. Graduate students also have access to workstations equipped with computers, and many professional dev



### **3.11.25.3 Social Work Admission Requirements and Application Procedures**

#### **3.11.25.3.1 Admission Requirements**

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the *TOEFL* (Test of English as a Foreign Language) or *IELTS* (International English Language Testing Systems) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available. For the TOEFL, McGill's institutional code is **0935**.

- Test of English as a Foreign Language (TOEFL) – International applicants must achieve a minimum score of 96\* on the Internet-based test.  
*\* Each individual component of reading, writing, listening, and speaking must have a minimum score of 24.*
- The International English Language Testing System (IELTS) – International applicants must achieve a minimum overall band score of 8.0\*\*.  
*\*\* Each individual component of reading, writing, listening, and speaking must have a minimum score of 7.5.*

#### **Qualifying Year of Study for Admission to the M.S.W. (Non-Thesis) Program**

Applicants who have successfully completed a DCS/DEC from CEGEP plus a minimum of a 90-credit or three-year university degree **or** a high school diploma plus a minimum of a 120-credit or 4-year university degree prior to entry into the Qualifying year with a minimum high B average (GPA 3.2/4.0), and who have completed university-level coursework in Statistics and Human Development Across the Lifespan, within the last 5 years **or** by August 15 for a September start date, are admissible to the Qualifying year of Study for Admission to the M.S.W (Non-Thesis) program. Applicants are also expected to have one year of paid or volunteer professional social work experience prior to admission.

#### **M.S.W. (Thesis) and (Non-Thesis) Programs**

Applicants who have successfully completed a B.S.W., with a minimum high B average (GPA 3.2/4.0), and who have completed university-level coursework in Statistics and in Human Development Across the Lifespan, within the last 5 years **or** by August 15 for a September start date, are admissible to the Master of Social Work program. Applicants are also expected to have one year of paid or volunteer professional social work experience prior to admission.

Students who have completed the one-year, full-time Qualifying year of study at the School of Social Work are eligible for direct admission to the M.S.W. (Non-Thesis) program provided they have secured a minimum B+ average in Qualifying courses, and have successfully fulfilled all fieldwork requirements.

#### **M.Sc.A. Program**

The Master's in Couple and Family Therapy is designed to allow students with an M.S.W. degree, or an equivalent graduate level de

- Three references (two academic and one professional)
- M.S.W. (Thesis), M.S.W. (Non-Thesis), and M.S.W. with B.C.L. and LL.B applicants (see [www.mcgill.ca/socialwork/prospective/msw](http://www.mcgill.ca/socialwork/prospective/msw) for forms and guidelines):
  - Curriculum Vitae (using form provided)
  - Prerequisite Form (using form provided)
  - Statement of Interest or Research Statement for Social Work
  - Three references (two academic and one professional)
- M.Sc.A. applicants (see [www.mcgill.ca/socialwork/prospective/msca](http://www.mcgill.ca/socialwork/prospective/msca) for forms and guidelines):
  - Curriculum Vitae (using form provided)
  - Program Application Face Sheet
  - Pre-requisite Form (using form provided)
  - Advanced Standing Form (provided)
  - Letter of Intent
  - Admission Interview (for selected candidates)
  - Three references (one academic and two professional)
- Ph.D. applicants (see [www.mcgill.ca/socialwork/prospective/phd](http://www.mcgill.ca/socialwork/prospective/phd) for forms and guidelines):
  - Ph.D. Prerequisite Form
  - Personal Statement (maximum length one page, single-spaced)
  - Ph.D. Curriculum Vitae Form
  - Ph.D. Research Proposal (maximum length five pages, single-spaced, including references. Do not append detailed CV.)
  - Written Work (upload one sample)

**Application Dates and Deadlines**

### 3.11.25.4 Social Work Faculty

#### Director

Nico Trocmé

#### Professors

Cindy Blackstock; B.A.(Br. Col.), M.B.A.(McG.), Ph.D.(Tor.)

Myriam Denov; B.A.(Tor.), B.S.W.(McG.), M.A.(Ott.), Ph.D.(Camb.)

Wendy Thomson; B.S.W., M.S.W.(McG.), Ph.D.(Brist.)

James Torczyner; B.H.L.(Yeshiva), M.S.W., D.S.W.(Calif.)

Nico Trocmé; B.A., M.S.W., Ph.D.(Tor.) (*The Philip Fisher Chair in Social Work*)

#### Associate Professors

Sharon Bond; B.A.(Sir G. Wms.), B.Sc.(Montr.), M.S.W., Ph.D.(McG.)

Shari Brotman; B.S.W., M.S.W.(McG.), Ph.D.(Tor.)

Delphine Collin-Vézina; B.Sc., Ph.D.(Montr.)

Sydney Duder; B.Sc., M.S.W., Dipl. Adv. Soc. Wk. Practice, Ph.D.(McG.)

Jill Hanley; B.A., B.S.W.(McG.), M.A.(Tufts), Ph.D.(Montr.)

Nicole Ives; B.A.(Col.), M.S.W., Ph.D.(Penn.)

Julia Krane; B.A.(Ott.), B.S.W.(McG.), M.S.W., Ph.D.(Tor.)

Lucyna Lach; B.A., M.S.W., Ph.D.(Tor.)

Heather MacIntosh; B.A., Ph.D.(Ott.)

Shadi Martin; B.Sc., M.A.(Health Serv. & Public. Adm.), M.S.W., Ph.D.(Utah)

Vadna Sinha; B.A.(Utah), M.A., Ph.D.(N'western)

Tamara Sussman; B.A., B.S.W., M.S.W.(McG.), Ph.D.(Tor.)

#### Assistant Professors

Wanda Gabriel; B.S.W., M.S.W.(McG.)

Sarilee Kahn; B.F.A.(Utah), M.P.H., M.S.W.(Col.), Ph.D.(NYU)

Zack Marshall; B.A.(McG.), M.S.W.(W. Laur.), Ph.D.(Nfld.)

Katherine Maurer; B.A.(Minn.), M.S.W.(Hunter), Ph.D.(NYU)

Pam Orzeck; B.A., M.S.W.(McG.), Ph.D.(Laval)

Marjorie Rabiau; B.Sc.(Alta.), Ph.D.(McG.)

#### Faculty Lecturer

Marion Van Horn; B.A.(S. Fraser), B.S.W., M.S.W.(McG.)

#### Coordinator of Field Education

Francine Granner; B.S.W., M.S.W.(McG.)

#### Associate Coordinator of Field Education

Marilyn Rowell; B.S.W.(McG.)

### 3.11.25.5 Qualifying Year (for Entry into M.S.W. Non-Thesis)

Applicants admitted to the Qualifying year are immersed, over two terms of full-time study only, in coursework and fieldwork to provide the foundational knowledge for an exciting career in social work through the continuation of the M.S.W. Non-Thesis program. This full-time Qualifying year of study comprises 15 credits per term. Students who complete the one-year full-time Qualifying year of study at the School of Social Work are eligible for direct entry into the M.S.W. program (Non-Thesis only) provided they have secured a minimum B- grade in each Qualifying year course and have successfully



fulfilled all fieldwork requirements. Applications to the Qualifying year are accepted for Fall admission only, and for full-time study only, as this is an integrated program of study for the entire year that cannot be taken out of sequence.

For more information, please visit the School of Social Work website: [www.mcgill.ca/socialwork](http://www.mcgill.ca/socialwork).

### 3.11.25.6 Master of Science, Applied (M.Sc.A.) Couple and Family Therapy (Non-Thesis) (60 credits)

This master's-level clinical program (non-thesis) emphasizes clinical understanding and training in couple and family therapy applicable to multidisciplinary clinical professionals in which family systems and related theories can inform clinical practice. The general objectives of the program are to train clinical professionals in couple and family psychotherapy by integrating contemporary theory, research competence and varied approaches to therapy in the understanding and treatment of families today. It will produce graduates with competencies in the assessment and treatment of families across the life cycle with skills that can be applied to specialized psychotherapy practice in health and community settings. Program graduates will fulfil the requirements for both the Couple and Family Therapy permit (OTSTCFQ) and the Psychotherapy permit (OPQ).

#### Required Courses (57 credits)

CAFT 600	(3)	Couple and Family Therapy Pre-Practicum
CAFT 601	(3)	Diversity and Couple and Family Therapy
CAFT 602	(3)	Advanced Assessment in Couple and Family Therapy
CAFT 603	(3)	Research Methods for Couple and Family Therapists
CAFT 604	(3)	Contemporary Issues in Couple and Family Therapy
CAFT 605	(3)	Advanced Family Treatment Across the Lifespan
CAFT 606	(3)	Internship 1 in Couple and Family Therapy
CAFT 607	(3)	Legal, Ethical and Professional Issues in C & FT
CAFT 608	(3)	Human Development Across Lifespan: Couple & Family Therapy
CAFT 609	(3)	Advanced Couple Therapy
CAFT 610	(3)	Biological Foundations of Behaviour for C&FTs
CAFT 611	(6)	Internship 2 in Couple and Family Therapy
CAFT 612	(6)	Internship 3 in Couple and Family Therapy
SWRK 610	(3)	Family Treatment
SWRK 622	(3)	Understanding and Assessing Families
SWRK 623	(3)	Couple Therapy
SWRK 630	(3)	Adult Mental Health

#### Complementary Courses (3 credits)

from the following:

EDPC 503	(3)	Intersectional Relationships and Sexualities
SWRK 621	(3)	Seminar on Trauma and Resilience
SWRK 628	(3)	Violence against Women
SWRK 635	(3)	Advanced Clinical Seminar: Use of Self
SWRK 655	(3)	Seminar on Aging
SWRK 657	(3)	Seminar on Mental Health
SWRK 668	(3)	Living with Illness, Loss and Bereavement
SWRK 669	(3)	Disability and Rehabilitation
SWRK 670	(3)	Seminar on Caregiving

### 3.11.25.7 Master of Social Work (M.S.W.) Social Work (Thesis) (45 credits)

The School of Social Work at McGill University prepares graduates for careers and leadership in the fields of social work and social welfare. In the M.S.W. program, students develop an understanding of a broad range of theories which inform practice, policy, and research. Envisioned as an opportunity to advance knowledge and skills, students are encouraged to immerse themselves in an area of scholarship and practice related to "Children and Families," "Social Care

and Health Studies," and "Community and International Development." In addition, students investigate a subject matter of their choice in one of these broad areas of study through an independent study project or a master's thesis. Through the M.S.W. program, students develop critical and innovative approaches to practice competence and to polic

6 credits of 500- or 600-level courses selected from the School of Social Work.

### 3.11.25.9 Master of Social Work (M.S.W.) Social Work (Non-Thesis) (45 credits)

The School of Social Work at McGill University prepares graduates for careers and leadership in the fields of social work and social welfare. In the M.S.W. program, students develop an understanding of a broad range of theories that inform practice, policy, and research. Envisioned as an opportunity to advance knowledge and skills, students are encouraged to immerse themselves in an area of scholarship and practice related to "Children and Families," "Social Care and Health Studies," and "Community and International Development." In addition, students investigate a subject matter of their choice in one of these broad areas of study through an independent study project or a master's thesis. Through the M.S.W. program, students develop critical and innovative approaches to practice competence and to policy analysis such that they may contribute to both established social services and to new and less developed areas of service provision.

#### Research Project (9 credits)

SWRK 690	(9)	Independent Study Project
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#### Required Courses (18 credits)

SWRK 643	(3)	Research Methods 2
SWRK 650	(3)	Field Work Practicum 1
SWRK 651	(3)	Field Work Practicum 2
SWRK 653	(3)	Research Methods 1
SWRK 660	(6)	Field Work Practicum 3

#### NOTE:

While not a prerequisite for admission, possession of a working knowledge of the French language is important not only to candidates who intend to seek admission to the Quebec professional order after graduation, but also to those who wish to maximize their field placement opportunities during their program. In consultation with the Field Education Coordinator, students may have the option of completing their field requirements at an approved social service agency outside of Quebec.

#### Elective Courses (18 credits)

18 credits of 500- or 600-level courses; up to 6 credits in total may be taken outside the School.

Students in both M.S.W. options are invited to take up to two courses in other departments of the University in areas of study not offered in the School of Social Work.

### 3.11.25.10 Master of Social Work (M.S.W.) Social Work (Non-Thesis): Gender and Women's Studies (45 credits)

The Graduate Option in Gender and Women's Studies is an interdisciplinary program for students who meet degree requirements in Social Work and who wish to take 6 credits of approved coursework to focus on gender, sexuality, feminist, and women's studies and issues in feminist research and methods.

#### Research Project (9 credits)

SWRK 690	(9)	Independent Study Project
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#### Required Courses (21 credits)

SWRK 643	(3)	Research Methods 2
SWRK 650	(3)	Field Work Practicum 1
SWRK 651	(3)	Field Work Practicum 2
SWRK 653	(3)	Research Methods 1
SWRK 660	(6)	Field Work Practicum 3
WMST 601	(3)	Feminist Theories and Methods

#### NOTE:

While not a prerequisite for admission, possession of a working knowledge of the French language is important not only to candidates who intend to seek admission to the Quebec professional order after graduation, but also to those who wish to maximize their field placement opportunities during their program. In consultation with the Field Education Coordinator, students may have the option of completing their field requirements at an approved social service agency outside of Quebec.

**Complementary Courses (15 credits)**

3 credits from the following:

WMST 602                      (3)                      Feminist Research Symposium

OR

3 credits of WMST at the 500 or 600 level;

OR

3 credits in another department approved as a complementary course to the Option in Gender and Women's Studies by an MSW adviser in the School of Social Work.

AND

12 credits of 500- or 600-level courses selected from the School of Social Work.

**3.11.25.11 Master of Social Work (M.S.W.) Social Work (Non-Thesis): International Partner Program (45 credits)**

**Qualifying Period (summer) (9 credits)**

SWRK 350                      (3)                      Social Work Skills Laboratory

SWRK 353                      (3)                      Introduction to Practice

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SWRK 651	(3)	Field Work Practicum 2
SWRK 653	(3)	Research Methods 1
SWRK 660	(6)	Field Work Practicum 3
SWRK 691	(12)	Social Work / Law Independent Study Project

### Complementary - Social Work (15 credits)

Students complete 15 credits of 500- or 600-level SWRK courses. A total of 6 graduate-level credits may be taken outside the School of Social Work with the approval of the academic adviser.

### Required - Law (53 credits)

LAWG 100D1	(3)	Contractual Obligations
LAWG 100D2	(3)	Contractual Obligations
LAWG 101D1	(3)	Extra-Contractual Obligations/Torts
LAWG 101D2	(3)	Extra-Contractual Obligations/Torts
PRAC 147D1	(1.5)	Introductory Legal Research
PRAC 147D2	(1.5)	Introductory Legal Research
PRAC 155D1	(1.5)	Legal Ethics and Advocacy
PRAC 155D2	(1.5)	Legal Ethics and Advocacy
PROC 124D1	(2)	Judicial Institutions and Civil Procedure
PROC 124D2	(2)	Judicial Institutions and Civil Procedure
PROC 200	(3)	Advanced Civil Law Obligations
PRV1 144D1	(2.5)	Civil Law Property
PRV1 144D2	(2.5)	Civil Law Property
PRV3 200	(3)	Advanced Common Law Obligations
PRV4 144D1	(2)	Common Law Property
PRV4 144D2	(2)	Common Law Property
PUB2 101D1	(3)	Constitutional Law
PUB2 101D2	(3)	Constitutional Law
PUB2 111	(3)	Criminal Law
PUB3 116D1	(2)	Foundations
PUB3 116D2	(2)	Foundations

### Complementary - Law

9-15 credits

Students complete 9-15 credits of complementary courses toward the B.C.L. and LL.B. degrees.

### Complementary - Law, Civil Law (3 credits)

Students complete 3 credits of Civil Law courses. The following courses count for their full credit weight as Civil Law.

BUS2 561	(3)	Insurance
LEEL 570	(3)	Employment Law
PROC 549	(3)	Lease, Enterprise, Suretyship
PRV2 270	(3)	Law of Persons
PRV4 548	(3)	Administration Property of Another and Trusts

**Complementary - Law, Common Law (3 credits)**

Students complete 3 credits of Common Law courses. The following courses count for their full credit weight as Common Law.

PRV3 534	(3)	Remedies
PRV4 451	(3)	Real Estate Transactions
PRV4 500	(3)	Restitution
PRV4 549	(3)	Equity and Trusts
PRV5 582	(2)	Advanced Torts

**Complementary - Law, Civil & Common Law**

The following trans-systemic courses count half their credit weight toward the Civil Law requirement of 3 credits and half their credit weight toward the Common Law requirement of 3 credits.

CMPL 522	(3)	Medical Liability
LAWG 200	(3)	Commercial Law
LAWG 273	(3)	Family Law
LAWG 300	(3)	Family Property Law
LAWG 316	(3)	Private International Law
LAWG 400	(4)	Secured Transactions
LAWG 415	(3)	Evidence (Civil Matters)
LAWG 504	(3)	Death and Property
LEEL 570	(3)	Employment Law
PRV5 483	(3)	Consumer Law

**Complementary - Law, Social Diversity, Human Rights and Indigenous Law (3 credits)**

Students must take at least 3 credits from the following courses related to social diversity and human rights.

CMPL 500	(3)	Aboriginal Peoples and the Law
CMPL 504	(3)	Feminist Legal Theory
CMPL 511	(3)	Social Diversity and Law
CMPL 516	(3)	International Development Law
CMPL 565	(3)	International Humanitarian Law
CMPL 571	(3)	International Law of Human Rights
CMPL 573	(3)	Civil Liberties
CMPL 575	(3)	Discrimination and the Law
IDFC 500	(3)	Indigenous Field Studies
LAWG 503	(3)	Inter-American Human Rights
LAWG 507	(3)	Critical Race Theory Advanced Seminar
LEEL 369	(3)	Labour Law
LEEL 582	(3)	Law and Poverty
PUB2 105	(3)	Public International Law
PUB2 500	(3)	Law and Psychiatry
PUB2 502	(3)	International Criminal Law
PUB2 551	(3)	Immigration and Refugee Law
PUB3 515	(3)	Canadian Charter of Rights and Freedoms

### **Complementary - Law, Principles of Canadian Administrative Law**

Requirement: Students must choose one course (0-6 credits) from the following courses to meet this requirement:

BUS2 504	(3)	Securities Regulation
CMPL 543	(3)	Law and Practice of International Trade
CMPL 574	(3)	Government Control Of Business
CMPL 575	(3)	Discrimination and the Law
CMPL 577	(3)	Communications Law
CMPL 580	(3)	Environment and the Law
LEEL 369	(3)	Labour Law
LEEL 570	(3)	Employment Law
LEEL 582	(3)	Law and Poverty
PRV4 545	(3)	Land Use Planning
PRV5 483	(3)	Consumer Law
PUB2 400	(3)	The Administrative Process
PUB2 401	(3)	Judicial Review of Administrative Action
PUB2 403	(2)	Municipal Law
PUB2 500	(3)	Law and Psychiatry
PUB2 551	(3)	Immigration and Refugee Law
WRIT 433D1*	(3)	Legal Clinic 1
WRIT 433D2*	(3)	Legal Clinic 1
WRIT 434*	(3)	Legal Clinic 2
WRIT 435*	(3)	Legal Clinic 3
WRIT 440*	(6)	Student Clerkship A
WRIT 440D1*	(3)	Student Clerkship A
WRIT 440D2*	(3)	Student Clerkship A
WRIT 441*	(3)	Student Clerkship B

\* With the approval of the Associate Dean (Academic), in consultation with the Faculty supervisors, on a case-by-case basis.

### **Elective - Law, Other Courses**

19-25 credits

Students select the remaining 19-25 credits from among Faculty of Law offerings.

### **3.11.25.13 Doctor of Philosophy (Ph.D.) Social Work: McGill/UdeM/UQAM**

**Complementary Courses**

One of the following courses:

AdvAgtar20.e courses:





*section 3.11.26.14: Doctor of Philosophy (Ph.D.) Sociology*

There are two ways to enter the Ph.D. program. Some students are fast-tracked (i.e., from a B.A. degree without having to complete an M.A. in Sociology), as Ph.D. 1 students; they take twelve substantive courses, in addition to various thesis requirements, and are trained in qualitative and quantitative research methods and in research design. Other students, typically those with an M.A. in Sociology, are considered as Ph.D. 2 students; they typically take six substantive courses, in addition to various thesis requirements—although further courses may be required if their methodological skills do not meet the standards required by the Department. Our Social Statistics Laboratory allows students to make systematic use of quantitative data sources. All students must pass two area exams and present a thesis proposal before turning to the thesis itself, which may take the form of a single piece of research, or a set of articles on a particular theme.

*section 3.11.26.15: Doctor of Philosophy (Ph.D.) Sociology: Gender and W*

Please note that the dossier must be complete before the applicant will be considered for entrance to the graduate program.

*31126321 Additional Requirements*

The items and clarifications below are additional requirements set by this department:

- GRE – required for applicants who have not attended a Canadian university
-

**Associate Professors**

Amélie Quesnel-Vallée; B.S., M.S.(Montr.), M.S., Ph.D.(Duke) (*Canada Research Chair in Policies and Health Inequalities*)

Zoua Vang; B.A.(Penn.), M.A., Ph.D.(Harv.)

Elaine Weiner; B.A.(Grinnell Coll.), M.A.(Flor.), Ph.D.(Mich.)

**Assistant Professors**

Jan Doering; M.A., Ph.D.(Chic.)

Barry Eidlin; B.A.(Oberlin), M.A., Ph.D.(Calif., Berk.)

Jennifer Elrick; B.A.(Qu.), M.A.(Guelph & Bochum), Ph.D.(Tor.)

Peter McMahan; B.A.(Reed), M.P.P., Ph.D.(Chic.)

Poulami Roychowdhury; B.A.(Swarth.), M.A., Ph.D.(NYU)

Thomas Soehl; M.A.(CUNY), M.P.A.(Harv.), M.A., Ph.D.(Calif.-LA) (*Canada Research Chair in International Migration*)

**Associate Members**

Alberto Cambrosio (*Social Studies of Medicine*)

Jennifer Fishman (*Social Studies of Medicine – Biomedical Ethics Unit*)

Matissa Hollister (*Faculty of Management*)

Anthony Masi (*Faculty of Management*)

Robert E. Whitley (*Psychiatry*)

**Adjunct Professor**

Claudia Masferrer; B.Sc.(Inst. Tecnol. Autonomo Mexico), M.Sc.(Texas-Austin), Ph.D.(McG.)

**Emeritus Professors**

Maurice Pinard; B.A., LL.L., M.A.(Montr.), Ph.D.(Johns Hop.), F.R.S.C.

Peta Tancred; B.A.(McG.), M.A.(Montr.), Ph.D.(LSE) (*in memoriam*)

**Associate Professor (Post-Retirement)**

Steven L. Rytina; B.G.S., Ph.D.(Mich.)

**3.11.26.5 Master of Arts (M.A.) Sociology (Thesis) (45 credits)****Thesis Courses (30 credits)**

SOCI 690	(3)	M.A. Thesis 1
SOCI 691	(6)	M.A. Thesis 2
SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

**Required Courses (12 credits)**

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 652	(3)	Current Sociological Theory

All students must have tak



or one 3 credit course on gender/women's studies issues at the 500, 600, or 700 level (may be taken outside the Department).

### 3.11.26.8 Master of Arts (M.A.) Medical Sociology (Thesis) (45 credits)

This program is given jointly by the Sociology Department and the Department of Social Studies of Medicine.

#### Thesis Courses (27 credits)

SOCI 690	(3)	M.A. Thesis 1
SOCI 691	(6)	M.A. Thesis 2
SOCI 693	(3)	M.A. Thesis 4
SOCI 695	(15)	M.A. Thesis 6

#### Required Courses (12 credits)

SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
SOCI 600*	(3)	Qualitative Research Methods 1
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 652*	(3)	Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

#### Complementary Courses (6 credits)

3 credits, ONE of the following courses:

SOCI 515	(3)	Medicine and Society
SOCI 538	(3)	Selected Topics in Sociology of Biomedical Knowledge

3 credits (at the 500, 600, or 700 level) in History of Medicine.

### 3.11.26.9 Master of Arts (M.A.) Sociology (Non-Thesis) (45 credits)

#### Research Project (18 credits)

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

#### Required Courses (18 credits)

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology

SOCI 652

(3)

Current Sociological Theory

All students must hav



**3.11.26.10 Master of Arts (M.A.) Sociology (Non-Thesis): Development Studies (45 credits)**

The research essay must be on a topic relating to development studies, approved by the Development Studies Option (DSO) coordinating committee.

**Research Project (18 credits)**

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

**Required Courses (21 credits)**

INTD 657	(3)	Development Studies Seminar
SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
	(3)	Qualitative Research Methods 1

**Complementary Courses (6 credits)**

6 credits at the 500, 600, or 700 level including:

WMST 602 (3) Feminist Research Symposium

or one 3-credit course on gender/women's studies issues at the 500, 600, or 700 level (may be taken outside of the Department).

**3.11.26.12 Master of Arts (M.A.) Medical Sociology (Non-Thesis) (45 credits)**

This program is given jointly by the Sociology Department and the Department of Social Studies of Medicine.

**Research Project (18 credits)**

SOCI 696 (3) Research Paper 1

SOCI 697 (3) Research Paper 2

SOCI 699 (12) Research Paper 4

**Required Courses (18 credits)**

SOCI 504\* (3) Quantitative Methods 1

SOCI 580\* (3) Social Research Design and Practice

SOCI 600 (3) Qualitative Research Methods 1

SOCI 603 (3) Bibliographic Methods 1

SOCI 604 (3) Bibliographic Methods 2

SOCI 625D1 (0) Professional Development Seminar in Sociology

SOCI 625D2 (0) Professional Development Seminar in Sociology

SOCI 652\* (3) Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

**Complementary Courses (9 credits)**

3 credits, ONE of the following courses:

SOCI 515 (3) Medicine and Society

SOCI 538 (3) Selected Topics in Sociology of Biomedical Knowledge

3 credits, one graduate-level course in History of Medicine.

3 credits, one graduate-level course in Social Studies of Medicine.

**Master of Arts (M.A.) Sociology (Non-Thesis): Podt of ArMaster14y 22i0.284 Tm(el course infU49 422.723 Tm(Prof)Tj1 0 0 1 708t oat048**

**Required Courses (24 credits)**

SOCI 504	(3)	Quantitative Methods 1
SOCI 545	(3)	Sociology of Population
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 626	(3)	Demographic Methods
SOCI 652	(3)	Current Sociological Theory

All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar at the 500 level or higher in its place.

**Complementary Course (3 credits)**

3 credits at the 500 level or higher related to population dynamics selected from the following:

ECON 622	(3)	Public Finance
ECON 634	(3)	Economic Development 3
ECON 641	(3)	Labour Economics
ECON 734	(3)	Economic Development 4
ECON 741	(3)	Advanced Labour Economics
ECON 742	(3)	Empirical Microeconomics
ECON 744	(3)	Health Economics
EPIB 648	(3)	Methods in Social Epidemiology
EPIB 681	(3)	Global Health: Epidemiological Research
PPHS 501	(3)	Population Health and Epidemiology
PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 529	(3)	Global Environmental Health and Burden of Disease
PPHS 615	(3)	Introduction to Infectious Disease Epidemiology
SOCI 502	(3)	Sociology of Fertility
SOCI 512	(3)	Ethnicity & Public Policy
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 525	(3)	Health Care Systems in Comparative Perspective
SOCI 526	(0)	Indigenous Women's Health and Healthcare
SOCI 535	(3)	Sociology of the Family
SOCI 588	(3)	Biosociology/Biodemography

**3.11.26.14 Doctor of Philosophy (Ph.D.) Sociology****Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner.

The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses

A minimum of three years of study is required.

SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 700	(0)	Ph.D. Area Examination 1
SOCI 701	(0)	Ph.D. Area Examination 2
SOCI 702	(0)	Ph.D. Proposal Approval
SOCI 703	(0)	Bibliographic Methods 3
SOCI 704	(0)	Bibliographic Methods 4

Ph.D. candidates must take examinations in two subfields of Sociology. These fields will be chosen from the Department's areas of specialization.

Examinations must be completed and the student's candidacy for the degree established by August 31 of the Ph.D. 3 year.

Ph.D. candidates are required to submit a thesis on an approved topic. The topic must be approved by a dissertation proposal committee convened by the student's dissertation supervisor.

The thesis should be completed within five years after the initial residency period of two to three years.

Further details on the requirements and regulations for the thesis and the fields in which the Department is prepared to direct research may be obtained from the Sociology website at [www.mcgill.ca/sociology/faculty](http://www.mcgill.ca/sociology/faculty) and at <http://www.mcgill.ca/gps/thesis>.

### Complementary Courses

(18-30 credits)

12 credits from substantive courses at the 500 level or higher offered by the Department subject to the approval of the Graduate Committee.

SOCI 501	(3)	Capitalism, Socialism, and Democracy
SOCI 502	(3)	Sociology of Fertility
SOCI 506	(3)	Quantitative Methods 3
SOCI 507	(3)	Social Change
SOCI 508	(3)	Medical Sociology and Social Psychiatry
SOCI 510	(3)	Seminar in Social Stratification
SOCI 511	(3)	Movements/Collective Action
SOCI 512	(3)	Ethnicity & Public Policy
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 514	(3)	Criminology
SOCI 515	(3)	Medicine and Society
SOCI 516	(3)	Sociological Theory & Research
SOCI 519	(3)	Gender and Globalization
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 525	(3)	Health Care Systems in Comparative Perspective
SOCI 526	(3)	Indigenous Women's Health and Healthcare
SOCI 529	(3)	Political Sociology 1
SOCI 530	(3)	Sex and Gender
SOCI 535	(3)	Sociology of the Family
SOCI 538	(3)	Selected Topics in Sociology of Biomedical Knowledge
SOCI 545	(3)	Sociology of Population
SOCI 550	(3)	Developing Societies

SOCI 555	(3)	Comparative Historical Sociology
SOCI 560	(3)	Labour and Globalization
SOCI 571	(3)	Deviance and Social Control
SOCI 588	(3)	Biosociology/Biodemography
SOCI 590	(3)	Social Conflict and Violence
SOCI 595	(3)	Immigration Control and The State
SOCI 601	(3)	Qualitative Research Methods 2
SOCI 620	(3)	Quantitative Methods 2
SOCI 621	(3)	Fixed and Random Effects
SOCI 622	(3)	Event History Analysis
SOCI 623	(3)	Latent Variable Models
SOCI 624	(3)	Social Networks
SOCI 626	(3)	Demographic Methods
SOCI 631D1	(3)	Informing Social Policy with Canadian Data
SOCI 631D2	(3)	Informing Social Policy with Canadian Data
SOCI 720	(3)	Reading in Social Theory
SOCI 730	(3)	Reading and Research

6 credits from one of the following streams:

Qualitative Stream

3 credits from the following:

SOCI 601	(3)	Qualitative Research Methods 2
SOCI 602	(3)	Comparative-Historical Methods

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 652	(3)	Current Sociological Theory

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above, another one must then be substituted in its place.

### **3.11.26.15 Doctor of Philosophy (Ph.D.) Sociology: Gender and Women's Studies**

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### **Required Courses (6 credits)**

A minimum of three years of study is required.

Ph.D. candidates must take examinations in two subfields of sociology.

OR

**Quantitative Stream**

6 credits from the following:

SOCI 620	(3)	Quantitative Methods 2
SOCI 621	(3)	Fixed and Random Effects
SOCI 622	(3)	Event History Analysis
SOCI 623	(3)	Latent Variable Models

If an exemption is obtained for one or both of the qualitative or quantitative stream courses above, another one must then be substituted in its place.

12 credits from the following 500-, 600-, or 700-level courses chosen from among the electiv

SOCI 631D2	(3)	Informing Social Policy with Canadian Data
SOCI 720	(3)	Reading in Social Theory
SOCI 730	(3)	Reading and Research

0-12 credits from the following:

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
	(3)	Current Sociological Theory



3 credits must be taken within the Department from the list below:

(3) Quantitative Methods 3

ECON 741	(3)	Advanced Labour Economics
ECON 742	(3)	Empirical Microeconomics
ECON 744	(3)	Health Economics
EPIB 648	(3)	Methods in Social Epidemiology
EPIB 681	(3)	Global Health: Epidemiological Research
PPHS 501	(3)	Population Health and Epidemiology
PPHS 525	(3)	Health Care Systems in Comparative Perspective
PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 529	(3)	Global Environmental Health and Burden of Disease
PPHS 615	(3)	Introduction to Infectious Disease Epidemiology
SOCI 502	(3)	Sociology of Fertility
SOCI 512	(3)	Ethnicity & Public Policy
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 525	(3)	Health Care Systems in Comparative Perspective
SOCI 535	(3)	Sociology of the Family
SOCI 588	(3)	Biosociology/Biodemography

6 credits from the following streams:

Qualitative Stream:

SOCI 601	(3)	Qualitative Research Methods 2
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and

3 credits from the following:

SOCI 620	(3)	Quantitative Methods 2
SOCI 621	(3)	Fixed and Random Effects
SOCI 622	(3)	Event History Analysis
SOCI 623	(3)	Latent Variable Models

OR

Quantitative Stream:

6 credits from the following:

SOCI 620	(3)	Quantitative Methods 2
SOCI 621	(3)	Fixed and Random Effects
SOCI 622	(3)	Event History Analysis
SOCI 623	(3)	Latent Variable Models

If an exemption is obtained for one or both of the qualitative or quantitative stream courses above, another one must then be substituted in its place.

0-12 credits from the following:

Students who have not taken the courses listed below must make up the deficiencies in addition to the regular coursework:

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 652	(3)	Current Sociological Theory

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above, another one must then be substituted in its place.

## 4 Faculty of Dentistry

### 4.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 9,000 graduate students in over 400 programs. *GPS* is here to support you from admissions through to graduation and beyond. We take a holistic approach to graduate student success; we support not only your academic development, but also your career-planning and professional development, and your well-being and student life. I invite you to consult the website *Resources for Your Success*, which is a one-stop-shop for the many resources and support systems in place for you across the University.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Dean, Graduate and Postdoctoral Studies*

### 4.2 Graduate and Postdoctoral Studies

#### 4.2.1 Administrative Officers

##### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)	<b>Dean (Graduate and Postdoctoral Studies)</b>
Robin Beech; B.Sc.(Nott.), Ph.D.(Edin.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
France Bouthillier; B.Ed., C.Admin.(UQAM), M.B.S.I.(Montr.), Ph.D.(Tor.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Jean-Jacques Lebrun; B.Sc.(La Roche-sur-Yon), M.Sc.(Rennes), Ph.D.(Paris V)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Elisa Pylkkanen; B.A., M.A.(McG.)	<b>Director (Graduate and Postdoctoral Studies)</b>

#### 4.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal QC H3A 0G4  
Website: [www.mcgill.ca/gps](http://www.mcgill.ca/gps)



**Note:** For inquiries regarding specific graduate programs, please contact the appropriate department.

#### 4.2.3 Graduate and Postdoctoral Studies' Mission

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic excellence for graduate and postdoctoral education at McGill. GPS provides leadership and strategic direction across the university, in close collaboration with the academic and administrative units and the graduate and postdoctoral community.

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#### 4.3 Important Dates

For all dates relating to the academic year, consult [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

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#### 4.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources](#) > Graduate > [section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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#### 4.5 Program Requirements

Refer to [University Regulations & Resources](#) > Graduate > Regulations > [section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Ad Personam Programs (Thesis Option Only)
- Coursework for Graduate Programs, Diplomas, and Certificates

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#### 4.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources](#) > Graduate > [section 1.4: Graduate Admissions and Application Procedures](#) for information on:

- Application for Admission
- Admission Requirements
- Application Procedures
- Competency in English

and other important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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#### 4.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources](#) > Graduate > [section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

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#### 4.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

#### **4.8.1 Postdocs**

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Enrolment Services in order to have access to University facilities (library, computer, etc.).

#### **4.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education**

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privile

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services.

Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave.

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#### 4.10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > Graduate > [section 1.6: Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees](#) for information on the following:

- Policy on Research Ethics
- Regulations on Research Policy
- Policy on Research Integrity
- Guidelines for Research Involving Human Subjects
- Guidelines for Research with Animal Subjects
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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#### 4.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2018–2019 session as listed. The Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable at any time throughout the year.

##### 4.11.1 Dentistry

###### 4.11.1.1 Location

Faculty of Dentistry  
2001 McGill College Avenue, Suite 500  
Montreal QC H3A 1G1  
Canada  
Telephone: 514-398-7203  
Fax: 514-398-8900  
Website: [www.mcgill.ca/dentistry](http://www.mcgill.ca/dentistry)

###### 4.11.1.2 About Dentistry

###### M.Sc. in Dental Sciences

The goal of this program is to train students in research in the dental sciences, which comprise a number of disciplines relating to the functioning of the oro-facial complex.

For the Thesis Master's in Dental Sciences, we aim to train students to:

1. perform a literature review;
2. identify important issues in a specific field and understand the scientific approach to research questions;
3. carry out a scientific study and appropriately manage its data;
4. appreciate the ethics involved in animal and/or human research; and
5. express oneself clearly in science (when speaking and writing).

###### M.Sc. in Dental Sciences, Option in Oral and Maxillofacial Surgery

A residency training program in Oral and Maxillofacial Surgery provides candidates with a comprehensive background for the practice of Oral and Maxillofacial Surgery as a specialty.

During the four years of the program, candidates serve as residents principally at the Montreal General Hospital. During this time, residents are given increasing responsibility for the care of in-patients and out-patients, as well as being required to fulfil certain basic science courses and other assignments. A research project must be undertaken, followed by a master's thesis.

The program is open to one candidate per year.



#### ***section 4.11.1.5: Master of Science (M.Sc.) Dental Sciences (Thesis) (45 credits)***

The goal of this program is to train students in research in the dental sciences, which comprise a number of disciplines relating to the functioning of the oro-facial complex.

#### ***section 4.11.1.6: Master of Science (M.Sc.) Dental Sciences (Thesis): Oral and Maxillofacial Surgery (46 credits)***

McGill University, through the Faculty of Dentistry and the McGill University Health Centre, offers an advanced education program in Oral and Maxillofacial Surgery. The program is fully accredited by the [Canadian Dental Association Accreditation Committee](#). It is a four-year program and commences on July 1 of each year.

#### ***section 4.11.1.7: Master of Science (M.Sc.) Dental Sciences (Non-Thesis) (45 credits)***

This Non-Thesis M.Sc. program offers students the possibility to explore new information on various research topics to supplement existing education. Students are able to "sample" various research areas without committing to a specific research topic or project by entering either the Basic Science stream or the Clinical and Populational Health stream. All non-thesis students are encouraged to seek volunteer and summer research opportunities with researchers in the Faculty to further their research experience.

This program provides students a great opportunity to clarify their interests, connect with faculty members, and engage with their cutting-edge research programs to seek additional career and training options (such as entering a Ph.D. program). This non-thesis option is not a residency program and does not provide clinical qualifications.

### **4.11.1.3 Dentistry Admission Requirements and Application Procedures**

#### **4.11.1.3.1 Admission Requirements**

##### **M.Sc. in Dental Sciences**

Students who have successfully completed a B.A. with a CGPA of 3.0 on a 4.0 scale are eligible to apply for admission to a graduate program in the Faculty of Dentistry leading to the M.Sc. degree in Dental Sciences. [TOEFL](#) (or [IELTS](#)) test results are required for applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian institution (anglophone or francophone) or from a recognized foreign institution where English is the language of instruction.

The number of candidates accepted each year will depend on the elective courses and research facilities available that are applicable to the candidate's area of expertise.

Bachelor's students who have not obtained eligible qualifications will be required to make up for deficiencies in their academic profile by taking a Qualifying year.

##### **M.Sc. in Dental Sciences, Option in Oral and Maxillofacial Surgery**

Candidates for this program must possess a D.D.S. or D.M.D. degree or its equivalent, and be eligible for acceptance to the [Ordre des dentistes du Québec](#) as a training candidate in a hospital.

#### **4.11.1.3.2 Application Procedures**

McGill's online application form for graduate program candidates is [001RS](#)

**M.Sc. in Dental Sciences (Thesis) and M.Sc. in Dental Sciences, Option in Oral and Maxillofacial Surgery**

		Application Opening Dates		Application Deadlines	
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	May 1	June 21	June 21	
<b>Winter Term:</b>	Feb. 15	Sept. 10	Nov. 10	Nov. 10	
<b>Summer Term:</b>	May 15	Jan. 15	Apr. 1	Apr. 1	

**M.Sc. in Dental Sciences (Non-Thesis)**

		Application Opening Dates		Application Deadlines	
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	March 1	March 1	March 1	
<b>Winter Term:</b>	N/A	N/A	N/A	N/A	
<b>Summer Term:</b>	N/A	N/A	N/A	N/A	

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**Dentistry Faculty**

**Emeritus Professors**

H. Rosen  
C.E. Smith

**Professors**

P.J. Allison  
J.E. Barralet  
G. Bennett  
L. Diatchenko  
J.S. Feine  
M.D. McKee  
D. Reinhardt  
M. Tabrizian  
S. Tran

**Associate Professors**

S. Abi-Nader  
C. Bedos  
V. Benhamou Cohen  
J.V. Blomfield  
H. Borsuk  
P.J. Chauvin  
A. Chehade  
R.J. C. David  
S. Esfandiari  
R. Freitas de Souza  
I.M. Fried  
G.J. Harasymowycz  
E.M. Hershenfield  
R. Hovey  
M.T. Kaartinen  
S. Komarova  
H. Le-Moual  
H.L. Levitt  
M.E. MacDonald  
A. Marleau  
S.I. Miller  
F.I. Muroff  
M. Murshed  
J.M. Myers  
S. Nazhat  
B. Nicolau  
J.R. Pompura  
E. Raviv

### **Associate Professors**

J.-M. Retrouvey

M. Schwartz

E. Slapcoff

L. Stone

F. Tamimi

J. Zhang

### **Assistant Professors**

N. Apelian, M.C. Auerbach, P.G. Ayoub, S. Caro, G. Chiasson, R. Clark, D. Dagdeviren, R.B.J. Dorion, J.G. Drummond, A. Dudkiewicz, M. El Hakim, J.D. Fenwick, J.R. Fong Chong, A. Iannella, D. Iera, B. Kano, E.R. Karanofsky, N. Karra, A. Kauzman, A. Khoutorsky, O. Kiarash, G.M. Konanec, S. Konigsberg, Y. Kwong Li, N.M. Makhoul, M.O. Martel, N.M. Miller, R. Miller, N.M. Morin, F.A. Power, R. Raviv, B. Saleh, M.F. Seng, M. Shenouda, M. Shildkraut, M.D. Shizgal, H. Sirhan, B. Slimovitch, M.A. Stein, D. Taylor, A.M. Velly, M. Villafranca, C.L. Wiltshire, L.A. Wiseman, M.A. Wiseman

### **Faculty Lecturers**

M. Abadi, J. Abikhzer, G.S. Abish, F. Al Halabi, F. Al-Khoury, F.E. Albert, J. Albilal, E. Alvaro, M.-E. Asselin, N. Aubre, M. Bakdach, D.L. Baker, G. Baranowski, G. Bazdikian, J.-P. Bedirian, S. Beh

\* or equivalent

### Complementary Courses (6-15 credits)

6-15 credits chosen from the following courses:

ANAT 663D1	(3)	Histology
ANAT 663D2	(3)	Histology
DENT 504	(3)	Biomaterials and Bioperformance
DENT 654	(3)	Mechanisms and Management of Pain
DENT 655	(3)	Health Technology Assessment
DENT 664	(1)	Introduction to Research Communication
DENT 665	(1)	Leadership and Management Skills in Research
DENT 672	(3)	Applied Mixed Methods in Health Research
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2
DENT 683	(3)	Readings in Dentistry and Health Research 3
DENT 685	(3)	Theory of Dental Public Health
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 635	(3)	Clinical Trials
EXMD 610	(3)	Molecular Methods in Medical Research

Other complementary 500- or 600-level courses may be taken with the approval of the supervisor or the research director and GPS.

#### 4.11.1.6 Master of Science (M.Sc.) Dental Sciences (Thesis): Oral and Maxillofacial Surgery (46 credits)

##### Thesis Courses (30 credits)

DENT 651	(6)	Thesis Research 2
DENT 652	(9)	Thesis Research 3
DENT 653	(15)	Thesis Research 4

##### Required Courses (16 credits)

DENT 631	(3)	OMFS 2 Seminar
DENT 632	(3)	Clinical OMFS 2
DENT 641	(3)	OMFS 3 Seminar
DENT 642	(3)	Clinical OMFS 3
EPIB 607	(4)	Inferential Statistics

#### 4.11.1.7 Master of Science (M.Sc.) Dental Sciences (Non-Thesis) (45 credits)

The M.Sc. degree should normally be completed within two years of full-time study.

##### Required Courses (18 credits)

DENT 655	(3)	Health Technology Assessment
DENT 663	(1)	Introduction to Research
DENT 670	(6)	Dental Research Project
DENT 671D1	(1)	Advanced Research Seminar

DENT 671D2	(1)	Advanced Research Seminar
EPIB 507*	(3)	Biostats for Health Sciences
EPIB 600*	(3)	Clinical Epidemiology

\* or equivalent

### Complementary Courses (27 credits)

27 credits from Stream 1 OR Stream 2:

#### Stream 1: Basic Science

24 credits from:

ANAT 663D1	(3)	Histology
ANAT 663D2	(3)	Histology
ANAT 690D1	(3)	Cell and Developmental Biology
ANAT 690D2	(3)	Cell and Developmental Biology
BMDE 505	(3)	Cell and Tissue Engineering
DENT 504	(3)	Biomaterials and Bioperformance
DENT 654	(3)	Mechanisms and Management of Pain
DENT 664	(1)	Introduction to Research Communication
DENT 665	(1)	Leadership and Management Skills in Research
DENT 669	(3)	Extracellular Matrix Biology
DENT 673	(3)	Biotechnology and Entrepreneurship
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2
DENT 683	(3)	Readings in Dentistry and Health Research 3
PHGY 517	(3)	Artificial Internal Organs
PHGY 518	(3)	Artificial Cells
PHGY 550	(3)	Molecular Physiology of Bone

3 credits from:

EXMD 609	(3)	Cellular Methods in Medical Research
EXMD 610	(3)	Molecular Methods in Medical Research

#### Stream 2: Clinical and Populational Health

24 credits from:

DENT 664	(1)	Introduction to Research Communication
DENT 665	(1)	Leadership and Management Skills in Research
DENT 672	(3)	Applied Mixed Methods in Health Research
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2
DENT 683	(3)	Readings in Dentistry and Health Research 3
DENT 685	(3)	Theory of Dental Public Health
EDEM 692	(3)	Qualitative Research Methods
EPIB 623	(3)	Research Design in Health Sciences

EPIB 635	(3)	Clinical Trials
EPIB 641	(1)	Substantive Epidemiology 1
EPIB 660	(3)	Practical Aspects: Protocol Development
EPIB 669	(2)	Special Topics 2
EPIB 671	(2)	Cancer Epidemiology and Prevention
EPIB 677	(3)	Special Topics 8
EPIB 679	(3)	Special Topics 10

3 credits from:

DENT 672	(3)	Applied Mixed Methods in Health Research
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Other complementary 500- or 600-level courses at the University may be taken with the approval of the director of the program and GPS.

## 5 Faculty of Education

### 5.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 9,000 graduate students in over 400 programs. *GPS* is here to support you from admissions through to graduation and beyond. We take a holistic approach to graduate student success; we support not only your academic development, but also your career-planning and professional development, and your well-being and student life. I invite you to consult the website [Resources for Your Success](#), which is a one-stop-shop for the many resources and support systems in place for you across the University.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Dean, Graduate and Postdoctoral Studies*

### 5.2 Graduate and Postdoctoral Studies

#### 5.2.1 Administrative Officers

##### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)	<b>Dean (Graduate and Postdoctoral Studies)</b>
Robin Beech; B.Sc.(Nott.), Ph.D.(Edin.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
France Bouthillier; B.Ed., C.Admin.(UQAM), M.B.S.I.(Montr.), Ph.D.(Tor.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Jean-Jacques Lebrun; B.Sc.(La Roche-sur-Yon), M.Sc.(Rennes), Ph.D.(Paris V)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Elisa Pylkkanen; B.A., M.A.(McG.)	<b>Director (Graduate and Postdoctoral Studies)</b>

#### 5.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West





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the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

## 5. Responsibilities

i. Postdocs are subject to the responsibilities outlined at [www.mcgill.ca/students/srr](http://www.mcgill.ca/students/srr) and must abide by the policies listed at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations).

ii. Each academic unit hosting Postdocs should clearly identify Postdocs' needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:

- to verify the Postdoc's eligibility period for registration;
- to provide Postdocs with departmental policy and procedures that pertain to them;
- to oversee the registration and appointment of Postdocs;
- to assign departmental personnel (e.g., Postdoc coordinator and Graduate Program Director) the responsibility for Postdocs;
- to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
- to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include Postdocs in departmental career and placement opportunities;
- to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:

- to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
- to provide research guidance;
- to meet regularly with their Postdocs;
- to provide feedback on research submitted by the Postdocs;
- to clarify expectations regarding intellectual property rights in accordance with the University's policy;
- to provide mentorship for career development;
- to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

- to inform themselves of and adhere to the University's policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined at [www.mcgill.ca/students/srr](http://www.mcgill.ca/students/srr) and the Graduate and Postdoctoral Studies [University Regulations and Resources](#);
- to submit a complete file for registration to Enrolment Services;
- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor;
- to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

- to register Postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to Postdocs;
- to provide Postdocs with the necessary information on McGill University student services.

*Approved by Senate, April 2000; revised May 2014*

### 5.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

*Council of FGSR April 23, 1999*

### 5.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as "leave of absence" on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. A summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at [www.mcgill.ca/gps/funding/getting-paid](http://www.mcgill.ca/gps/funding/getting-paid) under "Leave Policies and Form."

### 5.8.5 Postdoctoral Research Trainees

#### Eligibility

If your situation does not conform to the Government of Quebec's definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee.



- b.** wellness (mental and physical)
- c.** human development

in multiple settings and throughout the lifespan. More specifically, they examine issues pertaining to cognitive processes and developmental neuroscience, assessment and intervention, and the design and evaluation of learning environments and instructional practices, with both typical and atypical populations in mind. While ECP's primary disciplinary bases are psychology and education, it contributes to and is enriched by extended interdisciplinary collaborations with, among others, medicine and other health professions; neurosciences; computer science; science; social work and policy; and law.

Students in our programs benefit from having access to the [McGill Psychoeducational and Counselling Clinic](#) and the [Departmental Assessment Materials Resource Centre](#). To develop their professional skills in assessment, therapy, and supervision, students are equipped with the latest standardized materials and a state-of-the-art venue within which to conduct psychological and cognitive assessments.

Our professional programs also have established connections with world-class public and private organizations, which include health care facilities and school boards where students receive supervised training for internships and practica. Our faculty members are involved in intra- and interdisciplinary collaborative research locally, nationally, and internationally. These networks offer students valuable exposure to, and connection with, different research laboratories, research leaders, and professional organizations. Students benefit from international mobility programs and specialized training offered in specific locations. Working closely with faculty members in their research teams, our students enrolled in research-based **M.A.** and **Ph.D.** programs have proven very successful in obtaining major external fellowships from bodies such as

### **3. School/Applied Child Psychology**

#### **Postdoctoral Degrees**

The Department of Educational and Counselling Psychology offers one postdoctoral diploma:

***section 5.11.1.5: Master of Arts (M.A.) Counselling Psychology (Non-Thesis): Professional/Internship (60 credits)***

For further information, consult the [website](#).

***section 5.11.1.6: Master of Arts (M.A.) Counselling Psychology (Non-Thesis): Project (60 credits)***

This program is designed to produce graduates with introductory academic preparation for research or clinical careers in counselling psychology. Training is provided in the research domain through coursew

*section 5.11.1.10: Graduate Diploma (Gr. Dip.) School/Applied Child Psychology (Post-Ph.D.)*



**Note:** Applications to the Post-Ph.D program are suspended until further notice.

This post-Ph.D. graduate diploma enables holders of a doctorate in Psychology to pursue further studies in School/Applied Child Psychology. The course of study is adapted to the background of each student. The program includes exceptionally one, or typically two, years of courses and practica, plus a year of Internship. Students register on a per-credit basis (including Internship).

Students are not required to demonstrate knowledge of a second language within this program; however, any student wishing to be licensed as a professional psychologist in Quebec must have a working knowledge of French. Accreditation status may be confirmed by contacting the accrediting bodies.

**Professional Accreditation**

All elements of this postdoctoral graduate diploma are selected from the professional components of the Ph.D. in School/Applied Child Psychology, which is accredited in the School Psychology category by the Canadian Psychological Association (CPA). Graduates of a re-specialization program are normally accorded the same recognition as graduates of the accredited program.

The Ph.D. is approved by the *Ordre des psychologues du Québec* (OPQ), which has recommended the final stage of professional recognition to the *Office des professions* of the Government of Quebec. Once this accreditation is confirmed, however, graduates of the postdoctoral graduate diploma will not be



**Master of Education (M.Ed.); Educational Psychology (Non-Thesis) (48 credits)**

Many of our graduates work in the school system as resource teachers, special education, or educational consultants. Others work in or create special tutorial programs or family/child programs for students with difficulties, or in specialized settings (e.g., hospital programs), and others have moved on into our doctoral program in Human Development.

For further information, consult the [website](#).

**Master of Arts (M.A.); Educational Psychology (Thesis) (48 credits) (Note that the School/Applied Child Psychology Major (Non-Thesis) is 60 credits.)**

The aim of the M.A. (Thesis) in Educational Psychology is to produce graduates who:

1. are broadly trained in educational psychology;
2. have sufficient research competence to critically evaluate research in educational psychology, and to design, conduct, and report empirical research; and
3. have experience in applying research methods and findings to the solution of practical problems in varied educational settings.

Candidates are required to select and follow the set of courses in one of three concentrations of study or the Major in School/Applied Child Psychology, select a topic for research, and present the results of such research in a thesis.

The program offers **three concentrations** and **one major**:

1. **The Health Pr**



To be eligible, applicants must hold a baccalaureate degree in psychology consisting of 42 credits of core courses in specific domains (see list in the [Pre-Admission Academic Checklist](#)), with a minimum CGPA of 3.0 out of a possible 4.0 or a GPA of 3.2 out of 4.0 in the last two years of full-time studies at the undergraduate level. For more information, visit our [website](#).

#### 5.11.1.3.12 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations and Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

#### 5.11.1.3.1.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Three reference letters
- Personal Statement
- Statement of Research Interest and Preferred Supervisor(s) – for applicants to the Project concentration
- Interview – for applicants to the Professional/Internship concentration
- M.A. in Counselling Psychology Pre-Admission Academic Checklist

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Counselling Psychology: Project and Professional/Internship concentrations, can be found on the Departmental [website](#).

#### 5.11.1.3.2 Ph.D. in Counselling Psychology

##### 5.11.1.3.2.1 Admission Requirements

To be eligible applicants must hold:

A master's degree equivalent to the [section 5.11.1.6: Master of Arts \(M.A.\) Counselling Psychology \(Non-Thesis\): Project \(60 credits\)](#) or a Master's degree from a directly relevant program (e.g., clinical psychology, other Counselling Psychology programs) along with 42 credits of core courses in specific Psychology domains (see list in the [Pre-Admission Academic Checklist](#)), with a minimum CGPA of 3.0 out of a possible 4.0 or a GPA of 3.2 out of 4.0 in the last two years of full-time studies.

##### 5.11.1.3.2.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

#### 5.11.1.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Three reference letters
- Personal Statement
- Statement of Research Interest and Preferred Supervisor(s)
- Written Work
- Ph.D. Pre-Admission Academic Checklist

Information on application procedures, deadlines, supporting documents, and contact information for the Ph.D. in Counselling Psychology can be found on the [Department's website](#).

#### Ph.D. in Sc

- Personal Statement
- Research Proposal
- Written Work
- Ph.D. Pre-Admission Academic Checklist

Please note that the GRE is no longer required. Further information on application procedures, deadlines, supporting documents, and contact information for the Ph.D. in School/Applied Child Psychology can be found on the [Department's website](#).

#### **5.11.1.3.4 Post-Ph.D. Graduate Diploma in School/Applied Child Psychology**

##### *5.11.1.3.4.1 Admission Requirements*

*Please note that admission to the Post-Ph.D. program is currently suspended.*

An earned doctorate in Educational Psychology, another area of Psychology, or a closely related discipline (to be recognized at the Program Director's discretion).

##### *5.11.1.3.4.2 Application Procedures*

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

Information on application procedures, deadlines, supporting documents, and contact information for the Post-Ph.D. Graduate Diploma in School/Applied Child Psychology can be found on the [Department's website](#).

#### **5.11.1.3.5 M.Ed. in Educational Psychology (Non-Thesis)**

This program offers six concentrations:

1. Learning Sciences
2. General Educational Psychology
3. General Educational Psychology: Project
4. Inclusive Education
5. Inclusive Education: Project
6. Family Life Education (*admission to the Family Life Concentration is currently suspended*)

##### *5.11.1.3.5.1 Admission Requirements*

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology. It is recommended that some prior study of a relevant branch of psychology form part of the undergraduate training.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies or a GPA of 3.2 out of 4.0 in the last two years of full-time studies.

##### *5.11.1.3.5.2 Application Procedures*

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

Information on application procedures, deadlines, supporting documents, and contact information for the M.Ed. concentrations in Educational Psychology can be found on the [Department's website](#).

#### **5.11.1.3.6 M.A. in Educational Psychology (Thesis)**

This program offers three concentrations:

1. Learning Sciences
2. Health Professions Education
3. Human Development

and one Major:

1. School/Applied Child Psychology

##### *5.11.1.3.6.1 Admission Requirements*

#### **Learning Sciences Concentration**

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology. It is recommended that some prior study of a relevant branch of psychology form part of the undergraduate training.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies or a GPA of 3.2 out of 4.0 in the last two years of full-time studies.

#### **Health Professions Education Concentration**

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology. It is recommended that some prior study of a relevant branch of psychology form part of the undergraduate training.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies or a GPA of 3.2 out of 4.0 in the last two years of full-time studies.

The Health Professions Education program has been conceived and is offered in collaboration with the McGill Centre for Medical Education and affiliated faculty. Student selection is done jointly as is graduate supervision.

**Human Development Concentration**

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology. It is recommended that some prior study of a relevant branch of psychology form part of the undergraduate training.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies or a GPA of 3.2 out of 4.0 in the last two years of full-time studies.

**School/Applied Child Psychology Major**

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology, consisting of 42 credits of core courses in specific domains (see list in the

### **5.11.1.3.7 Ph.D. in Educational Psychology**

#### *5.11.1.3.7.1 Admission Requirements*

All doctoral students must have a research supervisor upon entry to the program. Interested candidates should consult the [Department's website](#)

**Educational Psychology and School/Applied Child Psychology programs (M.A., M.Ed., or Ph.D.)**

<b>Application Opening Dates</b>		<b>Application Deadlines</b>		
		<b>All Applicants</b>	<b>Non-Canadian citizens (incl. Special, Visiting &amp; Exchange)</b>	<b>Canadian citizens/Perm. residents of Canada (incl. Special, Visiting &amp; Exchange)</b>
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

### Associate Professors

Tara Flanagan; B.A.(Winn.), M.A., Ph.D.(McG.)

Nathan Hall; B.A., M.A., Ph.D.(Manit.)

Michael L. Hoover; B.S.(Tulane), M.A., M.Phil., Ph.D.(Col.)

Annett Körner; M.A., Ph.D.(Leipzig)

Krista Muis; B.A.(Wat.), M.A.(Vic., BC), Ph.D.(S. Fraser) (*Canada Research Chair, Tier 2*)

Steven R. Shaw; B.A., M.Ed., Ed.S., Ph.D.(Flor.)

Ada L. Sinacore; B.A.(Montclair St.), M.A., M.Ed., Ph.D.(Col.)

Ingrid E. Sladeczek; B.A., M.S., Ph.D.(Ariz.), A.A.(Md.)

Ronald Stringer; B.Sc., M.A., Ph.D.(Tor.) (*on leave*)

Victoria Talwar; M.A.(St. And.), M.A., Ph.D.(Qu.) (*Canada Research Chair, Tier 2*)

### Assistant Professors

Adam Dubé; M.A., Ph.D.(Regina)

Bassam El-Khoury; B.Sc.(Lebanese), B.A.(C`dia), Ph.D. (Montr.)

Chiaki Konishi; B.Ed.(Chiba), M.Ed.(Mass.-Amh.), M.A., Ph.D.(Br. Col.)

Tina Montreuil; M.Ed.(McG.), Ph.D.(UQAM)

Marie-Hélène Pennestri; B.Sc., M.A., Ph.D.(Montr.)

Eve-Marie Quintin; B.Sc.(McG.), Ph.D.(UQAM)

Jessica Ruglis; B.S.(Albany), M.A.T.(Uni36 0 03j193293W..254 568.36 Tm(c)T9Ch.a6 THunt. Fr M.Ed., PhUNY(UQAM)St. WMc.Sc., M.A., PC'2 TmUQAM)niscct



**5.11.1.5 Master of Arts (M.A.) Counselling Psychology (Non-Thesis): Professional/Internship (60 credits)**

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_counselling\\_psychology](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology).

**Required Internship (24 credits)**

EDPC 677	(3)	Internship Research Seminar: Quantitative Studies
EDPC 678	(3)	Internship Research Seminar: Qualitative Studies
EDPC 679D1	(3)	Internship: General 1
EDPC 679D2	(3)	Internship: General 1
EDPC 683	(3)	Practicum in Psychological Testing: Personality Assessment
EDPC 684	(3)	Practicum in Psychological Testing: Cognitive Assessment
EDPC 685D1	(3)	Internship: Vocational and Rehabilitation Counselling
EDPC 685D2	(3)	Internship: Vocational and Rehabilitation Counselling

**Required Courses (33 credits)**

EDPC 606	(3)	Theories of Intervention 1
EDPC 607	(3)	Theories of Counselling 2
EDPC 608	(3)	Group Counselling: Theory
EDPC 609	(3)	Psychological Testing 1
EDPC 615	(3)	Assessment and Diagnosis 1
EDPC 618	(3)	Professional Ethics and the Law
EDPC 624	(3)	Group Counselling: Practice
EDPC 662	(3)	Career Psychology
EDPC 665D1	(3)	Practicum
EDPC 665D2	(3)	Practicum
EDPE 622	(3)	Multiculturalism and Gender

**Elective Courses (3 credits)**

The following courses may be offered periodically and taken to complete or exceed the academic requirements. Electives may also be chosen from other courses offered by the Department or other departments of the University. Choice of electives not listed below requires the approval of the Program Director.

EDPC 616	(3)	Individual Reading Course
EDPC 670	(3)	Current Trends in Counselling

**5.11.1.6 Master of Arts (M.A.) Counselling Psychology (Non-Thesis): Project (60 credits)**

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_counselling\\_psychology](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology).

**Required Courses (57 credits)**

EDPC 606	(3)	Theories of Intervention 1
EDPC 609	(3)	Psychological Testing 1
EDPC 615	(3)	Assessment and Diagnosis 1
EDPC 619	(3)	Research Project 1
EDPC 620	(3)	Research Project 2
EDPC 621	(3)	Research Project 3
EDPC 625	(6)	Clinic Practicum 1

EDPC 626	(6)	Clinic Practicum 2
EDPC 628	(3)	Research Project 4
EDPC 629	(3)	Research Project 5
EDPC 630	(3)	Research Project 6
EDPC 662	(3)	Career Psychology
EDPC 683	(3)	Practicum in Psychological Testing: Personality Assessment
EDPC 684	(3)	Practicum in Psychological Testing: Cognitive Assessment
EDPE 622	(3)	Multiculturalism and Gender
EDPE 627	(3)	Ethical and Professional Practice of Psychology
EDPE 676	(3)	Intermediate Statistics

### Complementary Courses (3 credits)

3 credits from the following:

EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 687	(3)	Qualitative Methods in Educational Psychology

#### 5.11.1.7 Doctor of Philosophy (Ph.D.) Counselling Psychology

For more information, [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_counselling\\_psychology](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology).

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (30 credits)

EDPC 701	(0)	Comprehensive Examination
EDPC 702	(3)	Assessment & Diagnosis 2
EDPC 714	(3)	Theory / Models: Family Therapy
EDPC 720	(3)	Consultation and Program Evaluation
EDPC 780	(6)	Supervision
EDPC 782	(6)	Doctoral Field Experience
EDPC 786	(6)	Proposal Preparation and Defense
EDPE 712	(3)	Neurological Bases of Behaviour Across Lifespan

**Elective Courses (6 credits)**

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EDPE 619	(3)	Child and Adolescent Therapy
EDPE 625	(3)	Practicum 1: School Psychology
EDPE 626	(3)	Practicum 2: School Psychology
EDPE 710	(3)	Consultation in School Psychology

### **Complementary Courses - Field Placements**

Two days per week, one semester each; students select two of these three field experiences; placement in a school covering all grades may be applied to either EDPE 721 or EDPE 722:

EDPE 721	(6)	School Psychology: Elementary
EDPE 722	(6)	School Psychology: Secondary
EDPE 723	(6)	School Psychology: Community

### **Internship**

One year full time or two years half-time

EDPE 725	(12)	Internship 1 - School Psychology
EDPE 726	(12)	Internship 2 - School Psychology

Students are not required to demonstrate knowledge of a second language within this program; however, any student wishing to be licensed as a professional psychologist in Quebec must have a working knowledge of French. Accreditation status may be confirmed by contacting the accrediting bodies.

### **Professional Accreditation**

All elements of this Post-doctoral Graduate Diploma are selected from the professional components of the Ph.D. in School/Applied Child Psychology, which is accredited in the School Psychology category by the

EDPC 508	(3)	Seminar in Special Topics
EDPC 509	(3)	Individual Reading Course
EDPC 510	(3)	Family Life Education and Marriage
EDPC 540	(3)	Foundation of Family Life Education
EDPE 560	(3)	Human Development
EDPE 564	(3)	Family Communication
EDPE 595	(3)	Seminar in Special Topics
EDPE 605	(3)	Research Methods
EDPE 697	(6)	Special Activity 1
EDPE 698	(6)	Special Activity 2

**Elective Courses (12 credits)**

500-, 600-, or 700-level courses to be taken from courses offered by the Department or with approval of the Program Director, from other departments.

**5.11.1.12 Master of Education (M.Ed.) Educational Psychology (Non-Thesis): General Educational Psychology (48 credits)**

The M.Ed. in Educational Psychology (Non-Thesis) - General Educational Psychology provides students the flexibility to design a program that satisfies their professional and academic needs. The program provides a foundation in core areas of educational psychology (inclusive education, learning sciences) through courses on learning theories, motivation, human development, diverse classroom populations, complemented by research skill development. The role of schools and communities is also examined. Graduates will have the skills to understand and contribute to the growth and enhancement of knowledge and practice in educational psychology and develop tools for implementing new teaching models in the classroom. The program also provides opportunities to study one area in greater depth or to add diverse course experiences.

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_counselling\\_psychology](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology).

**Required Courses (24 credits)**

EDPE 502	(3)	Theories of Human Development
EDPE 535	(3)	Instructional Design
EDPE 555	(3)	Theoretical Foundations of Learning Sciences
EDPE 575	(3)	Statistics for Practitioners
EDPE 602	(3)	Uses of Research Findings in Education
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 670	(3)	Educational Assessment and Evaluation
EDPI 642	(3)	Inclusion: Past, Present & Future

**Complementary Courses (12 credits)**

EDPC 501	(3)	Helping Relationships
EDPC 504	(3)	Practicum: Interviewing Skills
EDPC 505	(3)	Crisis Intervention Processes
EDPC 542	(3)	Counselling Role of the Teacher
EDPE 515	(3)	Gender Identity Development
EDPE 636	(3)	Motivation and Instruction
EDPE 640	(3)	Emerging Technologies for Educational Change
EDPE 656	(3)	Applied Theory/Methods in the Learning Sciences
EDPE 663	(3)	Learning Environments
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 666	(3)	Foundations of Learning Science

EDPE 699D1	(6)	Special Activity
EDPE 699D2	(6)	Special Activity
EDPH 689	(3)	Teaching and Learning in Higher Education
EDPI 526	(3)	Talented and Gifted Students
EDPI 527	(3)	Creativity and its Cultivation
EDPI 539	(3)	Field Work 1
EDPI 540	(3)	Field Work 2
EDPI 543	(3)	Family, School and Community
EDPI 645	(3)	Assessment For Effective Intervention
EDPI 654	(3)	Instruction/Curriculum Adaptation
EDPI 656D1	(3)	Community-Based Field Work
EDPI 656D2	(3)	Community-Based Field Work
EDPI 665	(3)	Teaching of Reading
EDPI 667	(3)	Promoting Social and Emotional Well-Being

**Elective Courses (12 credits)**

500-, 600-, or 700-level courses to be taken from courses approved by the Department of Education with approval 001336.7085.31.661 (v)Tj

EDPC 542	(3)	Counselling Role of the Teacher
EDPE 515	(3)	Gender Identity Development
EDPE 636	(3)	Motivation and Instruction
EDPE 640	(3)	Emerging Technologies for Educational Change
EDPE 656	(3)	Applied Theory/Methods in the Learning Sciences
EDPE 663	(3)	Learning Environments
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 666	(3)	Foundations of Learning Science
EDPE 699D1	(6)	Special Activity
EDPE 699D2	(6)	Special Activity
EDPH 689	(3)	Teaching and Learning in Higher Education
EDPI 526	(3)	Talented and Gifted Students
EDPI 527	(3)	Creativity and its Cultivation
EDPI 539	(3)	Field Work 1
EDPI 540	(3)	Field Work 2
EDPI 543	(3)	Family, School and Community
EDPI 645	(3)	Assessment For Effective Intervention
EDPI 654	(3)	Instruction/Curriculum Adaptation
EDPI 656D1	(3)	Community-Based Field Work
EDPI 656D2	(3)	Community-Based Field Work
EDPI 665	(3)	Teaching of Reading
EDPI 667	(3)	Promoting Social and Emotional Well-Being

#### **5.11.1.14 Master of Education (M.Ed.) Educational Psychology (Non-Thesis): Inclusive Education (48 credits)**

The aim of the MEd in Educational Psychology (Non-Thesis) - Inclusive Education is to educate students on the major theories and practices of inclusive education. The program's focus is on diversity in development behavior and attainment, and eco-systemic and cultural models of teaching, learning, and assessment. Similar approaches are taken to understanding disability. Graduates will be able to implement effective teaching programs for students across all spectrums of development. Students will develop a strong foundation in the core content and theories of development, disability, inclusion and methods. The role of schools and communities is also examined. Students will be trained in application and practice through behaviour, literacy assessment and intervention, and differentiated teaching planning objectives.

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_counselling\\_psychology](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology).

#### **Required Courses (30 credits)**

EDPE 502	(3)	Theories of Human Development
EDPE 575	(3)	Statistics for Practitioners
EDPE 602	(3)	Uses of Research Findings in Education
EDPE 635	(3)	Theories of Learning and Instruction
EDPI 543	(3)	Family, School and Community
EDPI 642	(3)	Inclusion: Past, Present & Future
EDPI 645	(3)	Assessment For Effective Intervention
EDPI 654	(3)	Instruction/Curriculum Adaptation
EDPI 665	(3)	Teaching of Reading
EDPI 667	(3)	Promoting Social and Emotional Well-Being

#### **Complementary Courses (18 credits)**



18 credits from the following:

EDPE 515	(3)	Gender Identity Development
EDPE 595	(3)	Seminar in Special Topics Emer

**Elective Courses (12 credits)**

500-, 600-, or 700-level courses to be taken from courses offered by the Department or with approval of the Program Director, from other departments.

**Master of Arts (M.A.) Educational Psychology (Thesis): Health Ps:Thesis)ess 0 s**

**Thesis Courses (24 credits)**

EDPE 604	(3)	Thesis 1
EDPE 607	(3)	Thesis 2
EDPE 693	(3)	Thesis 3
EDPE 694	(3)	Thesis 4
EDPE 695	(6)	Thesis 5
EDPE 696	(6)	Thesis 6

**Required Courses (15 credits)**

EDPE 632D1	(1.5)	Research Seminar
EDPE 632D2	(1.5)	Research Seminar
EDPE 672	(3)	Human Development Seminar 1
EDPE 673	(3)	Human Development Seminar 2
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis

**Complementary Courses (6 credits)**

3-6 credits from the following:

EDPE 515	(3)	Gender Identity Development
EDPE 616	(3)	Cognitive Development Dev

EDPE 695	(6)	Thesis 5
EDPE 696	(6)	Thesis 6

**Required Courses (12 credits)**

EDPE 605	(3)	Research Methods
EDPE 666	(3)	Foundations of Learning Science
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis

**Complementary Courses (9 credits)**

EDPE 636	(3)	Motivation and Instruction
EDPE 640	(3)	Emerging Technologies for Educational Change
EDPE 656	(3)	Applied Theory/Methods in the Learning Sciences
EDPE 663	(3)	Learning Environments
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 668	(3)	Advanced Seminar in Learning Sciences
EDPE 670	(3)	Educational Assessment and Evaluation
EDPE 687	(3)	Qualitative Methods in Educational Psychology

or other 600-, or 700-level courses offered by the Department and with the approval of the supervisor and the Program Director.

**5.11.1.20 Master of Arts (M.A.) School/Applied Child Psychology (Thesis) (78 credits)**

\*\*\*This program is currently closed for admissions.\*\*\*

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_counselling\\_psychology](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology).

**Thesis Courses (24 credits)**

EDPE 604	(3)	Thesis 1
EDPE 607	(3)	Thesis 2
EDPE 693	(3)	Thesis 3
EDPE 694	(3)	Thesis 4
EDPE 695	(6)	Thesis 5
EDPE 696	(6)	Thesis 6

**Prerequisite Course (or equivalent) (3 credits)**

EDPE 575	(3)	Statistics for Practitioners
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**Required Courses (51 credits)**

EDPC 609	(3)	Psychological Testing 1
EDPC 610	(3)	Psychological Testing 2
EDPC 682D1	(3)	Practicum: Psychological Testing
EDPC 682D2	(3)	Practicum: Psychological Testing
EDPE 600	(3)	Current Topics: Educational Psychology
EDPE 605	(3)	Research Methods

EDPE 609	(3)	Selected Topics in Educational Psychology
EDPE 611	(3)	School Psychology Seminar
EDPE 616	(3)	Cognitive Development
EDPE 619	(3)	Child and Adolescent Therapy
EDPE 620	(3)	Developmental Psychopathology
EDPE 622	(3)	Multiculturalism and Gender
EDPE 623	(3)	Social-Emotional Development
EDPE 627	(3)	Ethical and Professional Practice of Psychology
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
	(3)	Instruction/Curriculum Adaptation

EDPI 642	(3)	Inclusion: Past, Present & Future
EDPI 665	(3)	Teaching of Reading
EDPI 756	(3)	Internship/Special Needs Education

3 credits from the following:

EDPE 684	(3)	Applied Multivariate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology

Or other 600- and 700-level courses offered by the department and with the approval of a Supervisor and Program Director.

#### 5.11.1.22 Doctor of Philosophy (Ph.D.) Educational Psychology: Learning Sciences

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_counselling\\_psychology](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology).

#### Required Courses (27 credits)

EDPE 605	(3)	Research Methods
EDPE 666	(3)	Foundations of Learning Science
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 704	(3)	Advanced Research Seminar 1
EDPE 705	(3)	Advanced Research Seminar 2
EDPE 706	(3)	Advanced Research Seminar 3
EDPE 707	(3)	Advanced Research Seminar 4
EDPE 708	(0)	Comprehensive Examination
EDPH 689	(3)	Teaching and Learning in Higher Education

#### Complementary Courses (6 credits)

3 credits from the following:

EDPE 636	(3)	Motivation and Instruction
EDPE 637	(3)	Issues in Health Professions Education
EDPE 656	(3)	Applied Theory/Methods in the Learning Sciences
EDPE 663	(3)	Learning Environments
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 668	(3)	Advanced Seminar in Learning Sciences

3 credits from the following:

EDPE 684	(3)	Applied Multivariate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology

## **5.11.2 Integrated Studies in Education**

### **5.11.2.1 Location**

Department of Integrated Studies in Education  
Education Building, Room 244  
3700 McTavish Street  
Montreal QC H3A 1Y2  
Canada  
Website:





The M.A. in Educational Leadership consists of a thesis or non-thesis program. This program is designed to prepare leaders in the field of education, and in other centres of formal or informal learning, who are committed to personal and institutional improv

The M.A. in Teaching and Learning is a professional program leading to Quebec teacher certification for those already holding an undergraduate degree in a Quebec Ministry of Education-identified teachable subject area (Mathematics, Science & Technology, Social Sciences, English, TESL, TFSL). This degree program comprises course work coupled with an internship. Throughout the MATL, emphasis will be on the attainment of the QEP professional competencies, and evidence of mastery of these competencies must be demonstrated in order for students to successfully complete the program. Upon completion, students are recommended to the Quebec Ministry of Education for certification.

***section 5.11.2.24: Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): English or French Second Language (60 credits)***

This program is comprised of course work, coupled with an internship. Upon completion, students are recommended to the Quebec Ministry of Education for certification to teach English or French Second Language.



**Note:** The French Second Language program is currently not offered.

***section 5.11.2.25: Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): English Language Arts Option (60 credits)***

This program is comprised of course work, coupled with an internship. Upon completion, students are recommended to the Quebec Ministry of Education for certification to teach English Language Arts.

***section 5.11.2.26: Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Mathematics Option (60 credits)***

This program is comprised of course work, coupled with an internship. Upon completion, students are recommended to the Quebec Ministry of Education for certification to teach Mathematics.

***section 5.11.2.27: Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Social Sciences Option (60 credits)***

This program is comprised of course work, coupled with an internship. Upon completion, students are recommended to the Quebec Ministry of Education for certification to teach Social Sciences.

***section 5.11.2.28: Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Science and Technology Option (60 credits)***

This program is comprised of course work, coupled with an internship. Upon completion, students are recommended to the Quebec Ministry of Education for certification to teach Science and Technology.

### **Doctor of Philosophy in Educational Studies**

The Ph.D. in Educational Studies prepares graduates for careers in a variety of education-related fields. The Ph.D.'s core areas are curriculum and literacy, cultural and international studies in education, educational leadership, and second-language education. The program has been designed to ensure flexibility, and students experience both multidisciplinary and discipline-specific research opportunities. The program begins with a set of common courses and proceeds to specialization through advanced course work and dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members. Graduates find work as researchers, teachers, consultants, curriculum developers, and administrators in a wide range of settings, including universities, school boards, government agencies, and international NGOs.

***section 5.11.2.29: Doctor of Philosophy (Ph.D.) Educational Studies***

The Ph.D. in Educational Studies provides an integrative perspective on education by drawing on a range of related discipline 0018 specific research 5.01358.8192





#### **5.11.2.3.3 Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Integrated Studies in Education and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program) or

**Graduate Certificate in Teaching English as a Second Language**

<b>Application Opening Dates</b>		<b>Application Deadlines</b>		
<b>All Applicants</b>	<b>Non-Canadian citizens (incl. Special, Visiting &amp; Exchange)</b>	<b>Canadian citizens/Perm. residents of Canada (incl. Special, Visiting &amp; Exchange)</b>	<b>Current McGill Students (any citizenship)</b>	
<b>Fall Term:</b> Sept. 15	Feb. 1	June 15	June 15	
<b>Winter Term:</b> N/A	N/A	N/A	N/A	
			N/A	

## **Emeritus Professors**

Jacques J. Rebuffot; B. ès L., L. ès L., D.E.S.(Aix-Marseilles), Dip. I.E.P., Dr. 3rd Cy.(Strasbourg)

Bernard Shapiro; B.A.(McG.), M.A.T., Ed.D.(Harv.)

David C. Smith; B.Ed.(McG.), Ph.D.(Lond.), F.C.C.T., F.R.S.A.

R. Lynn Studham; N.D.D.(Sunder), A.R.A.(Royal AcaSun16Pt., F



## Faculty Lecturers

James Howden; B.Ed.(McG.), M.Ed.(OISE, Tor.)

Stephen Peters; B.Ed.(Alta.), M.A., Ph.D.(McG.)



**Required Courses (6 credits)**

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 690	(3)	Research Methods: Theory and Practice

**Complementary Courses (15 credits)**

EDEC 602	(3)	Foundations in Curriculum
EDEC 606	(3)	Autobiographical Approaches in Education
EDEC 612	(3)	Digital Media and Learning
EDEC 617	(3)	Special Topics in Educational Studies
EDEC 620	(3)	Meanings of Literacy
EDEC 627	(3)	Critical Discourse Studies in Education
EDEC 628	(3)	Literacy - Multilingual/Multicultural Settings
EDEC 635	(3)	Research Writing
EDER 600	(3)	Globalization, Education & Change
EDER 606	(3)	Philosophy of Moral Education
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies Theory and Praxies

EDEC 606	(3)	Autobiographical Approaches in Education
EDEC 612	(3)	Digital Media and Learning

15 credits from the following:

EDEC 602	(3)	Foundations in Curriculum
EDEC 606	(3)	Autobiographical Approaches in Education
EDEC 612	(3)	Digital Media and Learning
EDEC 627	(3)	Critical Discourse Studies in Education
EDEC 635	(3)	Research Writing
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 660	(3)	Community Relations in Education
EDEM 676	(3)	Organizing Non-Formal Learning
EDEM 690	(3)	Research Methods: Theory and Practice
EDER 600	(3)	Globalization, Education & Change
EDER 606	(3)	Philosophy of Moral Education
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 676	(3)	Intermediate Statistics
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 508	(3)	Critical Influences on Educational Praxis

### **Elective Courses**

15 credits at the 500 level or higher. An elective course can be any course in the Department. If the course is outside of the department, the student should consult with the Program Director or Coordinator prior to registering for the course. A maximum of 9 credits, at the 500 level or higher, may be taken outside of the Department.

#### **5.11.2.11 Master of Arts (M.A.) Education and Society (Non-Thesis): Gender and Women's Studies (45 credits)**

The M.A. non-thesis project option - Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit and wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The non-thesis project option consists mainly of coursework, and includes two 6 credit projects. This option is suitable for practitioners interested in professional development with a research and theoretical orientation. The project must be on a topic centrally relating to issues of gender and/or women's studies.

#### **Research Project (12 credits)**

EDER 633	(6)	Project 1
EDER 634	(6)	Project 2

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 690	(3)	Research Methods: Theory and Practice
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (15 credits)**

12 credits from the following:

EDEC 602	(3)	Foundations in Curriculum
EDEC 606	(3)	Autobiographical Approaches in Education
EDEC 612	(3)	Digital Media and Learning
EDEC 617	(3)	Special Topics in Educational Studies
EDEC 620	(3)	Meanings of Literacy
EDEC 628	(3)	Literacy - Multilingual/Multicultural Settings
EDEC 635	(3)	Research Writing
EDER 603	(6)	Individual Reading Course
EDER 606	(3)	Philosophy of Moral Education
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies

3 credits chosen from the following, must be either:

WMST 602	(3)	Feminist Research Symposium
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**Required Courses (6 credits)**

EDEM 690	(3)	Research Methods: Theory and Practice
EDER 520	(3)	Issues in Jewish Education

**Complementary Courses (24 credits)**

24 credits at the 500, 600, or 700 level, selected in consultation with the program adviser. Students will normally follow this profile:

9 credits from the course offerings of the Department of Jewish Studies, Faculty of Arts.

9 credits chosen from the following courses:

EDER 521	(3)	Teaching Judaism: Yiddish
EDER 522	(3)	Teaching Judaism: Hebrew
EDER 523	(3)	Teaching Judaism: Bible
EDER 524	(3)	Teaching Judaism: History
EDER 525	(3)	Teaching Judaism: Holidays
EDER 526	(3)	Teaching Judaism: Liturgy
EDER 527	(3)	Teaching Judaism: Special Topics
EDER 528	(3)	Teaching Judaism: The Holocaust

6 credits selected from the following courses:

EDPE 535	(3)	Instructional Design
EDPE 616	(3)	Cognitive Development
EDPI 526	(3)	Talented and Gifted Students
EDPI 642	(3)	Inclusion: Past, Present & Future
EDPI 654	(3)	Instruction/Curriculum Adaptation

**Language Requirement**

EDER 529	(0)	Hebrew Language Requirement
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**5.11.2.13 Master of Arts (M.A.) Education and Society (Non-Thesis): Project Math & Science Education (45 credits)**

The M.A. in Education and Society (Non-Thesis): Project Mathematics and Science Education program emphasizes action-oriented research in mathematics and science education, with a specific focus on teacher education in the areas of mathematics and science. The program will include targeted opportunities for candidates to develop skills, knowledge, and practices specific to teaching and learning mathematics and science, mathematics and science teacher preparation, and research in both of these areas. It will produce graduates: who view impro

EDEC 626	(3)	MA Seminar in Math and Science Education 2
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 690	(3)	Research Methods: Theory and Practice

### Complementary Courses (12 credits)

3 credits from the following:

EDEC 646	(3)	Sociocultural and Epistemic Understandings of Science
EDEC 647	(3)	Sociocultural and Epistemic Understandings of Mathematics

9 credits from the following:

EDEC 602	(3)	Foundations in Curriculum
EDEC 606	(3)	Autobiographical Approaches in Education
EDEC 612	(3)	Digital Media and Learning
EDEC 627	(3)	Critical Discourse Studies in Education
EDEC 635	(3)	Research Writing
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 660	(3)	Community Relations in Education
EDEM 676	(3)	Organizing Non-Formal Learning
EDEM 690	(3)	Research Methods: Theory and Practice
EDER 600	(3)	Globalization, Education & Change
EDER 606	(3)	Philosophy of Moral Education
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 676	(3)	Intermediate Statistics
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
	(3)(3)(306.cs)	Critical Influences on Educational Praxis



**5.11.2.14 Master of Arts (M.A.) Educational Leadership (Thesis) (45 credits)****Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

**Required Courses (9 credits)**

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 610	(3)	Leadership in Action
EDEM 673	(3)	Leadership Theory in Education

**Complementary Courses (6 credits)**

6 credits selected from the following courses:

EDEC 606	(3)	Autobiographical Approaches in Education
EDEM 690	(3)	Research Methods: Theory and Practice
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

**Elective Courses (6 credits)**

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

**5.11.2.15 Master of Arts (M.A.) Educational Leadership (Thesis): Gender and Women's Studies (45 credits)****Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

**Required Courses (12 credits)**

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 610	(3)	Leadership in Action
EDEM 673	(3)	Leadership Theory in Education
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (6 credits)**

3 credits selected from the following courses:

EDEC 606	(3)	Autobiographical Approaches in Education
EDEM 690	(3)	Research Methods: Theory and Practice
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

3 credits selected from the following, must be either:

WMST 602

(3)

Feminist Research Symposium

or one 3 credit course, at the 500, 600, or 700 level

**Elective Courses (6 credits)**

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

**5.11.2.17 Master of Arts (M.A.) Educational Leadership (Non-Thesis): Project (45 credits)****Research Project (12 credits)**

EDEM 625	(6)	Project 1
EDEM 627	(6)	Project 2

**Required Courses (12 credits)**

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 610	(3)	Leadership in Action
EDEM 673	(3)	Leadership Theory in Education
EDEM 690	(3)	Research Methods: Theory and Practice

**Complementary Courses (15 credits)**

9 credits selected from the following courses:

EDEM 606	(3)	Educational Leadership Issues
EDEM 628	(3)	Education Resource Management
EDEM 630	(3)	Workplace Learning
EDEM 637	(3)	Managing Educational Change
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation
EDEM 664	(3)	Education and the Law
EDEM 674	(3)	Organizational Theory and Education
EDEM 675	(3)	Special Topics 1 in Educational Leadership
EDEM 677	(3)	Special Topics 2 in Educational Leadership
EDEM 693	(3)	School Improvement Approaches

6 credits selected from the following courses:

EDEC 602	(3)	Foundations in Curriculum
EDEC 606	(3)	Autobiographical Approaches in Education
EDEC 612	(3)	Digital Media and Learning
EDEC 620	(3)	Meanings of Literacy
EDEC 635	(3)	Research Writing
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education

EDER 636 (3) Critical and Ethical Dimensions of Sexualities Education

**Elective Courses (6 credits)**

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

**5.11.2.18 Master of Arts (M.A.) Educational Leadership (Non-Thesis): Gender and Women's Studies (45 credits)****Research Project (12 credits)**

EDEM 625 (6) Project 1

EDEM 627 (6) Project 2

**Required Courses (15 credits)**

EDEM 609 (3) Critical Perspectives in Educational Theory and Research

EDEM 610 (3) Leadership in Action

EDEM 673 (3) Leadership Theory in Education

EDEM 690 (3) Research Methods: Theory and Practice

WMST 601 (3) Feminist Theories and Methods

**Complementary Courses (15 credits)**

9 credits selected from the following:

EDEM 606 (3) Educational Leadership Issues

EDEM 628 (3) Education Resource Management

EDEM 630 (3) Workplace Learning

EDEM 637 (3) Managing Educational Change

EDEM 644 (3) Curriculum Development and Implementation

EDEM 646 (3) Planning and Evaluation

EDEM 664 (3) Education and the Law

EDEM 674 (3) Organizational Theory and Education

EDEM 675 (3) Special Topics 1 in Educational Leadership

EDEM 677 (3) Special Topics 2 in Educational Leadership

EDEM 693 (3) School Improvement Approaches

3 credits selected from the following courses:

EDEC 602 (3) Foundations in Curriculum

EDEC 606 (3) Autobiographical Approaches in Education

EDEC 612 (3) Digital Media and Learning

EDEC 620 (3) Meanings of Literacy

EDEC 635 (3) Research Writing

EDER 607 (3) Ethics and Values in Education

EDER 608 (3) Educational Implications of Social Theory

EDER 614 (3) Sociology of Education

EDER 615 (3) Introduction to Philosophy of Education

EDER 622 (3) Studies in Comparative Education

EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 636	(3)	Critical and Ethical Dimensions of Sexualities Education

3 credits selected from the following, must be either:

EDER 636	(3)	Critical and Ethical Dimensions of Sexualities Education
EDER 643	(3)	Women, Education and Development
WMST 602	(3)	Feminist Research Symposium

or one 3-credit course, at the 500, 600, or 700 level, on gender/women's issues (may be in the Department or outside).

**Elective Course (3 credits)**

3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

**5.11.2.19 Master of Arts (M.A.) Second Language Education (Thesis) (45 credits)**

The M.A. in Second Language Education consists of a -pu0 0 partment or outside).

**Elective Course (3 credits)**

3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

**5.11.2.20 Master of Arts (M.A.) Second Language Education (Thesis): Gender and Women's Studies (45 credits)****Thesis Courses (24 credits)**

EDSL 666	(6)	Thesis Research 1
EDSL 667	(6)	Thesis Research 2
EDSL 668	(6)	Thesis Research 3
EDSL 669	(6)	Thesis Research 4

**Required Courses (15 credits)**

EDEM 690	(3)	Research Methods: Theory and Practice
EDPE 575	(3)	Statistics for Practitioners
EDSL 623	(3)	Second Language Learning
EDSL 627	(3)	Instructed Second Language Acquisition Research
WMST 601	(3)	Feminist Theories and Methods

EDSL 623	(3)	Second Language Learning
EDSL 627	(3)	Instructed Second Language Acquisition Research

- may not be completed in a host school where a student teacher has a family member working or attending;
- have a corequisite Professional Seminar component (see [Minerva](#) for dates and times).

### 5.11.2.2.2 Registration

#### Students:

- must take Internship 1 in the first Winter term of the program;
- must be in Satisfactory academic standing and have met all prerequisite and corequisite course requirements;
- registered for the Internship course will receive permission to access the online Student Teaching Placement Form at their official @mail.mcgill.ca email address; the Placement Form must be completed by the date indicated in the email for preferences to be registered;
- may defer an Internship with a valid reason by taking an official Leave of Absence from the University; valid reasons for a Leave of Absence can be viewed at [www.mcgill.ca/gps/students/registration/progress/leave-vacation](http://www.mcgill.ca/gps/students/registration/progress/leave-vacation). On a case-by-case basis, students may be allowed to defer an Internship and continue in coursework dependent upon approval by the Program Director;
- should consult their MATL Program Coordinator or ISA Placement Coordinator for further assistance, if required.



**Note:** Minerva does not always prevent students from registering for courses which they should not take. It is each student's responsibility to be aware of prerequisites, corequisites, restrictions, and Faculty regulations.

### 5.11.2.2.3 Placement Options

#### Cooperating Teacher

Student teachers without an approved teaching contract will be placed by an ISA Placement Coordinator in the classroom of an eligible Cooperating Teacher(s) and must follow the host school's schedule on a full-time basis. Student teachers in this situation must not contact potential host schools for placements.

#### Contract

Student teachers who have secured a paid teaching contract in the appropriate Internship term may request to have this contract reviewed by the ISA to see if it will fulfill the Internship requirements relative to number of hours, context, subject area, etc.

Please note, student teachers who have already been placed with a Cooperating Teacher for their Internship and subsequently wish to accept a contract either before or during the Internship must register a request with the ISA; approval is at the discretion of the ISA Director.

Students who wish to have a contract evaluated must:

- consult [MATL guidelines](#) to determine if the contract may be eligible to meet Internship requirements;
- ensure that the contract is for a minimum 70% of a full-time teaching workload; 100% of actual teaching hours must be in the appropriate teachable subject area;
- complete the full number of required hours—per Internship guidelines—which may necessitate an extension of the Internship dates;
- submit a copy of the contract (or a detailed letter from the School Administrator/HR) confirming the teaching schedule and conditions to the ISA; any further modification of an approved contract must be approved by the ISA.

### 5.11.2.2.4 Internship Guidelines (Syllabus)

Detailed Internship guidelines and copies of evaluation forms for each Internship are posted on the [ISA website](#). Students are responsible for familiarizing themselves with the Internship objectives, evaluation criteria, and forms prior to the start of each Internship.

### 5.11.2.2.5 Student Responsibilities

Students are responsible for familiarizing themselves with the policies and rules governing all aspects of Internship, including pedagogical and professional behaviour (available at [www.mcgill.ca/isa](http://www.mcgill.ca/isa)) prior to the start of the Internship.

Students should not engage in any type of employment during the course of the Internship (with the exception of a teaching contract used to fulfill the Internship requirements) nor register for any additional/non-required course(s) which may interfere with the successful outcome of the Internship.

ISA relies on the goodwill of Cooperating Teachers and School Administrators to arrange placements. To that end, the ISA strives to maintain professional relationships established over time with partner schools. Student teachers in the MATL program are advised to be aware of the commitment they are making to their chosen career when beginning the Internship. All decisions and actions should reflect the ethics of the teaching profession and the highest standards of professionalism.

#### Attendance and Absences

Punctual attendance is required at the host school for the duration of the Internship (per the host school's full-day schedule and not that of the Cooperating Teacher's). Unexcused absences from the Internship and/or corequisite courses, including Professional Seminar, may result in exclusion from the corequisite course or removal from/failure in the Internship.

Excused absences include:

- *Illness:* Student teachers may be absent for up to 2 days without supporting medical documentation; after 2 days, a student teacher must obtain a supporting medical note and the outcome of the Internship may be evaluated by the ISA Director, as necessary;
- *McGill Exam:* Student teachers with a scheduled McGill exam may be absent from the host school on the appointed day; this provision does not cover non-McGill exams;
- *Religious Observation:* Student teachers are permitted to be absent for religious holy days, as outlined in McGill's [Policy on holy days](#);



- *McGill Varsity Sporting Event(s)*: Student teachers are permitted to participate in a sporting event as a member of a McGill varsity team; student teachers must provide the ISA with supporting documentation from McGill *Athletics & Recreation*.

Days missed due to excused absence must be made up, generally, at the end of the Internship.

In the case of a **foreseeable absence** (e.g. religious observation, varsity sporting event, etc.), student teachers must advise the below noted parties before the start of the Internship or, if the Internship has already commenced, **at least two weeks in advance**. In the case of an **unforeseeable absence** (e.g. illness), student teachers must advise the below noted parties as soon as possible:

- Host School Administrative Office
- Co-operating Teacher(s)
- McGill Field Supervisor
- McGill ISA Placement Coordinator (by e-mail or by phone: 514-398-7046)

Absences for any other reason, including but not limited to marriage, family events, vacation, extracurricular activities, employment, or conflicting courses, are not permitted during the Internship. Students who may need to defer the Internship or rearrange their course schedule should contact their Program Coordinator.

For student teachers on a paid contract, in case of a conflict between the University's attendance policies and that of the host school, please contact the ISA.

#### **Judicial Record Verification**

Quebec's Education Act, section 261.0.2, grants school boards the right to verify the judicial record of any person regularly in contact with minor students, and this includes student teachers. Each school board or private school may have its own administrative procedures for verification. Students are responsible for complying any request for judicial record verification. An

- A request for withdrawal (with refund) from the Internship (EDIN course) for any reason must be done at least two weeks before the start of the Internship; the student teacher is responsible for registering this request with the ISA in writing by this deadline;
- Students wishing to withdraw for any other reason, including illness, personal reasons, etc., from an Internship (EDIN course) less than two weeks before its start or after it is underway must register their request in writing to the ISA; based on the circumstances surrounding the request, the ISA Director will determine the final outcome of the Internship and Enrolment Services will determine eligibility for refund.

#### **Early Dismissal from an Internship**

At any time, student teachers may be removed from their Internship placement at the request of the host School Administrator and/or Cooperating Teacher, or at the request of the ISA Director. Students who are removed from an Internship placement will be informed of the reason for the early dismissal and will meet with the ISA Director.

Circumstances that could lead to early dismissal include, but are not limited to:

- Prerequisite courses not successfully completed;
- Exceeding the number of permissible unexcused absences for corequisite courses (consult the syllabus for each course);
- Failure to pass a judicial record check, if required by the school or school board where the student is placed;
- Unprofessional behaviour or behaviour that contravenes the Code of Ethics for Student Teachers;
- Failure to make the improvements outlined on a Competency Improvement Plan (CIP) or Record of Early Concern (REC) by the date indicated.

In these cases, the final outcome for of the Internship (EDIN course) will be determined by the ISA Director.

Possible outcomes include:

- Reassignment during the same term, subject to availability of placements;
- W – Withdrawal (with or without refund, at the discretion of Graduate & Postdoctoral Studies);
- F – At the discretion of the ISA Director, the student may be permitted to register for the Internship again during the next regularly scheduled term;
- F – At the discretion of the ISA Director, with a request to Graduate & Postdoctoral Studies, asking for immediate removal (with relevant supporting documentation).

#### **5.11.2.227 Code of Professional Conduct: Code of Ethics for Student Teachers**

##### **Preamble – A Student-Centred Perspective**

- **Mandate**

A joint subcommittee consisting of members from two standing committees of the Faculty of Education (Faculty of Education Ethical Review Board and Student Standing) was created to develop a Code of Ethics for Student Teachers and to examine the ways in which this Code will be communicated to students, faculty members, and educational partners.

- **Goals and Rationale**

The interests of the two Standing Committees of the Faculty of Education in promoting appropriate ethical and professional conduct have led us to develop the following Code of Ethics for Student Teachers. This code seeks to respond to and address the following needs:

1. The Code addresses the interdependent duties, rights, and responsibilities of student teachers, faculty members, and educational partners.
2. By addressing common issues and needs, the Code seeks to articulate and make explicit ethical principles that transcend disciplinary boundaries. These principles reflect the fundamental values that are expressed in the duties, rights, and responsibilities of all involved in Teacher Education.
3. The Code requires a reasonable flexibility in the implementation of common principles. It is designed to help those involved in Teacher Education, as a matter of sound ethical reasoning, to understand and respect the contexts in which they work and accommodate the needs of others.
4. The Code seeks to encourage continued reflection and thoughtful response to ethical issues. It does not seek definitive answers to all ethical questions or situations. Rather, it seeks to outline the guiding principles to ethical conduct and to identify major issues that are essential to the development and implementation of this Code.

- **Context of an Ethics Framework for Student Teachers**

The principles and norms guiding ethical conduct are developed within an ever-evolving complex societal context, elements of which include the need for reflective action and ethical principles.

Education is premised on a fundamental moral commitment to advance and construct knowledge and to ensure human understanding and respect for individual and collective well-being and integrity.

The moral imperative of respect translates into the following ethical principles that assume a student-centred perspective as articulated in the Quebec Curriculum Reform and Competencies outlined for Teacher Education.

##### **Academic Freedom and Responsibilities**

Teachers enjoy, and should continue to enjoy, important freedoms and privileges. However, with freedoms come responsibilities and ethical challenges. This Code of Ethics is in keeping with the philosophy and spirit of the New Directions that are embedded in the document “Teacher Training: Orientations, Professional Competencies” (MEQ 2001) and the reflective practice literature.

The role of the teacher and the contexts of teaching have changed. Thus, new resources (knowledge, skills, attitudes) are required to practise the profession and to meet the challenges of teaching and learning in whatever contexts student teachers may find themselves, and to engage in professional development individually and with others.

**Ethics and Law**

“Teaching is governed by a legal and regulatory framework” (MEQ 2001, p. 120). The law affects and regulates the standards and norms of teaching behaviours in a variety of ways such as respecting privacy, confidentiality, intellectual property, and competence. Human rights legislation prohibits

first Summer term of the program. Students must pass the examination in the first Summer term and prior to Internship 1. Students who do not pass the EETC exam must meet with the Program Coordinator to determine an individual program trajectory. Note, failure of the EETC exam may compromise a student's ability to maintain full time status.

The examination is coordinated by an independent body, the Centre for the English Exam for Teacher Certification. Information is available on the [CEETC website](#). McGill assists with the administration and scheduling of the examination. To write this examination, students must first register on Minerva for a section of EDTL 515 in the Summer term, then register with the Centre at [www.ceetc.ca](http://www.ceetc.ca) and pay a fee before writing the test.

Students who do not pass both sections of the examination the first time are expected to meet with their Program Coordinator to plan a course of action for English language proficiency improvement. Students are required to take the EETC again, and must successfully complete the section that was not passed. A fee is charged each time the examination is written. Students who have not completed both sections of the examination on their fourth attempt are required to withdraw from the program, and must consult with an Program Coordinator about readmission procedures.

#### **5.11.2.23.3 Capstone Research Project (CRP)**

The CRP is a research project whereby MATL students, as they complete their courses and Internships, identify an area of professional interest either in the broad landscape of teaching and learning or directly related to their subject specialty. The CRP is supported and developed throughout the MATL program in designated courses. The CRP is due and presented in the final Professional Seminar of the program. Guidelines are posted on the [Department's website](#) and the [Internships & Student Affairs website](#).

#### **5.11.2.23.4 Portfolio**

All students in the M.A. Teaching and Learning program are required to prepare a professional portfolio by the time of their graduation. The portfolio is a component of the professional seminars that are integrated with each Internship. The finished professional portfolio is a requirement of the MATL program. Guidelines are posted on the [Internships & Student Affairs website](#).

#### **5.11.2.23.5 Progress Tracking Report**

Students in the M.A. Teaching and Learning program will engage in graduate progress tracking using the reporting forms and timelines established by the department specific to the MATL program.

### **5.11.2.24 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): English or French Second Language (60 credits)**

\*\*The French option of this program is currently not offered.\*\*

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of coursework, coupled with 15 credits (minimum of 735 hours) of internship. This professional program leads to teacher certification to those already holding an undergraduate degree in a teachable subject area identified by the Quebec Ministry of Education.

The program, which targets those with formal and/or non-formal teaching experience, begins with mandatory courses in the Summer term. The specific course sequence and progression leads students to complete the program in five consecutive terms on a full-time basis. The program must be completed within three years. Alternately, the program can be followed on a part-time basis, in which case all program requirements must be completed within five years.

Throughout the MATL, emphasis will be on the demonstration of mastery of the Québec Ministry of Education professional competencies. Upon completion, students are recommended to the Quebec Ministry of Education for certification.

Note: The Quebec Ministry of Education requires that all students pass the English Exam for Teacher Certification (EETC) or the Test de certification en français écrit pour l'enseignement (TECFÉE), as appropriate, prior to taking EDIN 610 Internship 1.

#### **Required Courses (54 credits)**

EDEC 612	(3)	Digital Media and Learning
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research

EDTL 635	(3)	Applied Methods in Second Language Education
EDTL 636	(3)	Adv. Applied Methods in Second Language Education
EDTL 640	(3)	Teacher Inquiry and Action Research

**Complementary Courses (6 credits)**

3 credits selected from (in accordance with teaching English or French as a second language):

EDSL 512	(3)	Grammar in Teaching English as a Second Language
EDSL 515	(3)	Étude de la langue française pour enseignants

3 credits selected from:

EDER 609	(3)	Education and Philosophical Thought
EDER 615	(3)	Introduction to Philosophy of Education
EDTL 506	(3)	Philosophy of Education

**5.11.2.25 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): English Language Arts Option (60 credits)**

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate de

**Complementary Courses (6 credits)**

3 credits selected from:

EDER 600	(3)	Globalization, Education & Change
EDTL 508	(3)	Critical Influences on Educational Praxis

3 credits selected from:

Education and Philosophical

3 credits selected from:

EDEC 647	(3)	Sociocultural and Epistemic Understandings of Mathematics
EDTL 520	(3)	Perspectives on Knowledge in Mathematics and Science

3 credits selected from:

EDER 609	(3)	Education and Philosophical Thought
EDER 615	(3)	Introduction to Philosophy of Education
EDTL 506	(3)	Philosophy of Education

**5.11.2.27 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Social Sciences Option (60 credits)**

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of coursework,

EDEC 648	(3)	Historical Knowledge and Social Change
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education

3 credits selected from:

EDER 600	(3)	Globalization, Education & Change
EDTL 508	(3)	Critical Influences on Educational Praxis

3 credits selected from:

EDER 609	(3)	Education and Philosophical Thought
EDER 615	(3)	Introduction to Philosophy of Education
EDTL 506	(3)	Philosophy of Education

#### **5.11.2.28 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Science and Technology Option (60 credits)**

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate degree leading to teacher certification. It is comprised 45 credits of coursework, coupled with 15 credits (minimum of 735 hours) of internship. This professional program leads to teacher certification to those already holding an undergraduate degree in a teachable subject area identified by the Quebec Ministry of Education. The program, which targets those with formal and/or non-formal teaching experience, begins with mandatory courses in the Summer term. The specific course sequence and progression leads students to complete the program in five consecutive terms on a full-time basis. The program must be completed within three years. Alternatively, the program can be followed on a part-time



EDEC 646	(3)	Sociocultural and Epistemic Understandings of Science
EDTL 520	(3)	Perspectives on Knowledge in Mathematics and Science

3 credits selected from:

EDER 609	(3)	Education and Philosophical Thought
EDER 615	(3)	Introduction to Philosophy of Education
EDTL 506	(3)	Philosophy of Education

### 5.11.2.29 Doctor of Philosophy (Ph.D.) Educational Studies

Students must satisfy all program requirements of the Ph.D.

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses (8 credits)

EDEC 700	(2)	Proseminar in Education 1
EDEC 701	(0)	Ph.D. Comprehensive Examination
EDEC 702	(2)	Proseminar in Education 2
EDEC 703	(4)	Ph.D. Colloquium

Note: EDEC 701 is normally taken at the end of the second year for Ph.D. 2 program entrants and at the end of the third year for Ph.D. 1 entrants.

#### Complementary Courses (3 credits)

One of the following courses:

EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

#### Elective Courses

3-12 credits

Elective courses required in the student's Ph.D. plan of study will be determined in consultation with the Doctoral Advisory Committee depending on the student's background and research interests. Students must take a minimum of 3 credits of elective courses.

Students admitted to Ph.D. 2 will normally take up to 12 credits of elective courses under the advice of their Doctoral Advisory Committee.

Students admitted to Ph.D. 1 without an M.A. may be advised by their Doctoral Advisory Committee to take more than 12 credits of elective courses depending on their background. If admitted to the program without at least 6 credits of M.A.-level research methods and/or Statistics courses, candidates may be expected to take such courses during their first year of study as advised.

These may be selected from current offerings of research methods courses either within or outside the Department, such as:

EDEM 690	(3)	Research Methods: Theory and Practice
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EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

Students required by their Doctoral Advisory Committee to take graduate courses in statistics will select from a range of courses, such as the following:

EDPE 575	(3)	Statistics for Practitioners
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis

### 5.11.2.30 Doctor of Philosophy (Ph.D.) Educational Studies: Gender and Women's Studies

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses (14 credits)

EDEC 700	(2)	Proseminar in Education 1
EDEC 701	(0)	Ph.D. Comprehensive Examination
EDEC 702	(2)	Proseminar in Education 2
EDEC 703	(4)	Ph.D. Colloquium
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Note: EDEC 701 is normally taken at the end of the second year for Ph.D. 2 program entrants and at the end of the third year for Ph.D. 1 entrants.

#### Complementary Courses (6 credits)

One of the following courses:

EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

One course, at the 500 level or higher on gender/women's issues, to be chosen from the approved list (available from the McGill Institute for Gender, Sexuality, and Feminist Studies) in consultation with the Doctoral Advisory Committee depending on the student's background and research interests. In some cases, additional courses may be required or recommended by the Doctoral Advisory Committee.

### 5.11.2.31 Doctor of Philosophy (Ph.D.) Educational Studies: Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Educational Studies. The Ph.D. thesis must be on a topic relating to language acquisition.

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses (14 credits)

EDEC 700	(2)	Proseminar in Education 1
EDEC 701	(0)	Ph.D. Comprehensive Examination
EDEC 702	(2)	Proseminar in Education 2
EDEC 703	(4)	Ph.D. Colloquium
LING 710	(2)	Language Acquisition Issues 2
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 712	(2)	Language Acquisition Issues 4

### Complementary Courses (9 credits)

3 credits of graduate-level statistics from the courses below:

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
LING 620	(3)	Experimental Linguistics: Methods
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

3 credits selected from the following list:

EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry

At least 3 credits selected from the following list:

EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Instructed Second Language Acquisition Research
EDSL 629	(3)	Second Language Assessment
EDSL 632	(3)	Second Language Literacy Development
LING 555	(3)	Language Acquisition 2
LING 590	(3)	Language Acquisition and Breakdown
LING 651	(3)	Topics in Acquisition of Phonology
LING 655	(3)	Theory of L2 Acquisition
LING 751	(3)	Advanced Seminar: Experimental 1
LING 752	(3)	Advanced Seminar: Experimental 2
PSYC 545	(3)	Topics in Language Acquisition
PSYC 735	(3)	Developmental Psychology and Language
SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children
SCSD 633	(3)	Language Development
SCSD 637	(3)	Developmental Language Disorders 1

SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 654	(3)	Advanced Research Seminar 3

**Elective Course**

(0-2 credits)

0-2 credits from the following:

EDSL 711	(2)	Language Acquisition Issues 3
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**Doctor of Philosophy (Ph.D.) Educational Studies:**

0-3 credits of qualitative methods or advanced research design from the following: Students who have taken an equivalent course in qualitative methods or advanced research design, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied these credits.

EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

### **Elective Courses**

0-9 credits

Depending on the student's prior coursework and in consultation with the Supervisor and/or Doctoral Advisory Committee, an additional 0-9 credits of elective courses at the 500 level or higher may be required.

### **5.11.2.33 Graduate Certificate (Gr. Cert.) Educational Leadership 1 (15 credits)**

This 15-credit program addresses the needs of experienced and aspiring school leaders who are taking increased responsibility for the students and communities they serve. The management of schools is increasingly seen as making a major contribution to the learning and personal development of students. The professional development of school leaders, educational reform, and school partnership form the basis for the program.

EDEM 673

(3) Leadership Theory in Education

(3) Special Topics 1 in Educational Leadership

des situations d'apprentissage étayées par les enseignants de manière à dépasser le cloisonnement entre langue et contenu. La réussite d'un test de français est obligatoire lors de la demande d'admission.

#### **Cours obligatoires (12 crédits)**

EDSL 515	(3)	Étude de la langue française pour enseignants
EDSL 541	(3)	Littérature et littérature de jeunesse en contexte immersif
EDSL 544	(3)	Didactique du français en contexte immersif
EDSL 545	(3)	Fondements pédagogiques de l'immersion

#### **Cours complémentaires (3 crédits)**

EDSL 500	(3)	Foundations and Issues in Second Language Education
EDSL 505	(3)	Second Language Acquisition Applied to Classroom Contexts

### **5.11.3 Kinesiology and Physical Education**

#### **5.11.3.1 Location**

Department of Kinesiology and Physical Education  
Sir Arthur Currie Memorial Gymnasium  
475 Pine Avenue West  
Montreal QC H2W 1S4  
Canada  
Telephone: 514-398-4184, ext. 0302  
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Email: [grad.kpe@mcgill.ca](mailto:grad.kpe@mcgill.ca)  
Website: [www.mcgill.ca/edu-kpe](http://www.mcgill.ca/edu-kpe)

#### **5.11.3.2 About Kinesiology and Physical Education**

The Department of Kinesiology and Physical Education provides a large variety of research opportunities in a number of areas related to human health and physical activity.

##### **Master's of Science Program**

Examples of research pursued as part of the M.Sc. program include the following areas.

##### ***Exercise Physiology :***

- obesity treatment, public health surveillance, and health;
- adaptive response of skeletal muscle in health, nutrition, disease, and aging;
- exercise and nutritional interventions designed to manage and treat chronic diseases;
- the impact of sex and sex hormones on neurovascular physiology;
- clinical and integrative exercise in cardio-respiratory physiology;
- muscle physiology and biophysics.

##### ***Biomechanics and Motor Control :***

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		Application Opening Dates		Application Deadlines	
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Feb. 15	Feb. 15	Feb. 15	
<b>Winter Term:</b>	Feb. 15	Sept. 1	Sept. 1	Sept. 1	
<b>Summer Term:</b>	N/A	N/A	N/A	N/A	

Admission to graduate studies is competitive; accordingly, late and/or incomplete application are considered only as time and space permit.

#### 5.11.3.4 Kinesiology and Physical Education Faculty

##### Chair

Julie Côté

**Adjunct Professors**

Ruddy Richard; M.D.(Strasbourg I), Ph.D.(Paris V)

Catherine M. Sabiston; B.Sc.K.(Dal.), M.H.K.(Windsor), Ph.D.(Br. Col.)

**Associate Members**

Susan Bartlett; B.A.(Conc.), M.Ed.(McG.), Ph.D.(Syrac.)

Jean Bourbeau; M.D.(Laval)

Robert Thomas Jagoe; B.A.(Camb.), M.B., B.Chir., M.R.C.P.(UK), C.C.S.T. (Resp. and General (Internal Med.)), Ph.D.(Newcastle, UK), F.R.C.P.

Jose Morais; M.D.(Montr.)

Shawn Robbins; M.Sc., Ph.D.(Western)

Benjamin Smith; M.D., Ph.D.(McG.)

Timothy H. Wideman; Ph.D.(McG.)

**5.11.3.5 Master of Arts (M.A.) Kinesiology and Physical Education (Thesis) (45 credits)****Thesis Courses (24 credits)**

EDKP 691	(6)	Thesis Research 1
EDKP 692	(6)	Thesis Research 2
EDKP 693	(6)	Thesis Research 3
EDKP 694	(6)	Thesis Research 4

**Required Courses (6 credits)**

EDKP 605	(3)	Research Methods 1
EDKP 617	(0)	Seminar in Kinesiology and Physical Education 1
EDKP 618	(0)	Seminar in Kinesiology and Physical Education 2
EDKP 619	(0)	Seminar in Kinesiology and Physical Education 3
EDKP 620	(0)	Seminar in Kinesiology and Physical Education 4
EDPE 676	(3)	Intermediate Statistics

**Complementary Courses (15 credits)**

Students must take a minimum of 9 credits of coursework in a classroom setting in the area of concentration selected in consultation with the Graduate Student Adviser.

EDKP 504	(3)	Health & Lifestyle Education
EDKP 548	(3)	Applied Exercise Psychology
EDKP 603	(6)	Individual Reading Course 1
EDKP 616	(3)	Individual Reading Course 2
EDKP 631	(3)	Qualitative Methods
EDKP 650	(3)	Research in Physical Education Pedagogy
EDKP 654	(3)	Sport Psychology
EDKP 655	(3)	Inclusive Physical Activity
EDKP 664	(3)	Motor Learning
EDKP 665	(3)	Motor Behaviour and Disability
EDKP 671	(3)	Experimental Problems
EDKP 672	(6)	Advanced Experimental Problems

EDKP 695	(3)	Thesis Research 5
EDKP 696	(3)	Thesis Research 6

Students may also take courses from the Faculty of Education or the Faculty of Arts in consultation with an adviser (500, 600, or 700 level).

**5.11.3.6 Master of Science (M.Sc.) Kinesiology and Physical Education (Thesis) (45 credits)**

Areas: Biomechanics, Exercise Physiology, and Motor Control and Learning

**Thesis Courses (24 credits)**

EDKP 691	(6)	Thesis Research 1
EDKP 692	(6)	Thesis Research 2
EDKP 693	(6)	Thesis Research 3
EDKP 694	(6)	Thesis Research 4

**Required Courses (6 credits)**

EDKP 605	(3)	Research Methods 1
EDKP 617	(0)	Seminar in Kinesiology and Physical Education 1
EDKP 618	(0)	Seminar in Kinesiology and Physical Education 2
EDKP 619	(0)	Seminar in Kinesiology and Physical Education 3
EDKP 620	(0)	Seminar in Kinesiology and Physical Education 4
EDPE 676	(3)	Intermediate Statistics

**Complementary Courses (15 credits)**

Students must take a minimum of 9 credits of coursework in a classroom setting in the area of concentration selected in consultation with the Graduate Student Adviser.

EDKP 542	(3)	Environmental Exercise Physiology
EDKP 548	(3)	Applied Exercise Psychology
EDKP 566	(3)	Advanced Biomechanics Theory
EDKP 603	(6)	Individual Reading Course 1
EDKP 616	(3)	Individual Reading Course 2
EDKP 630	(3)	Human Walking Mechanics
EDKP 631	(3)	Qualitative Methods
EDKP 635	(3)	Modeling Human Movement
EDKP 640	(3)	Advanced Exercise Physiology Problems
EDKP 652	(3)	Cardio-Respiratory Exercise Physiology
)	(3)	Nerve/Muscle Exercise Response

Students may also take courses from the Faculty of Science chosen in consultation with the adviser (500, 600, or 700 level).

#### **5.11.3.7 Master of Arts (M.A.) Kinesiology and Physical Education (Non-Thesis) (45 credits)**

\*\*This program is currently not offered.\*\*

Areas: Adapted Physical Activity, Pedagogy, and Sport and Exercise Psychology

#### **Research Project (15 credits)**

EDKP 608	(15)	Special Project
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#### **Required Courses**

EDKP 617	(0)	Seminar in Kinesiology and Physical Education 1
EDKP 618	(0)	Seminar in Kinesiology and Physical Education 2
EDKP 619	(0)	Seminar in Kinesiology and Physical Education 3
EDKP 620	(0)	Seminar in Kinesiology and Physical Education 4

#### **Complementary Courses (18 credits)**

6 credits, two courses from the following:

Note: Students take either EDSL 630 or EDEM 692.

EDEM 692	(3)	Qualitative Research Methods
EDKP 605	(3)	Research Methods 1
EDPE 575	(3)	Statistics for Practitioners
EDSL 630	(3)	Qualitative/Ethnographic Methods

12 credits selected from the following:

EDKP 504	(3)	Health & Lifestyle Education
EDKP 548	(3)	Applied Exercise Psychology
EDKP 603	(6)	Individual Reading Course 1
EDKP 616	(3)	Individual Reading Course 2
EDKP 631	(3)	Qualitative Methods
EDKP 650	(3)	Research in Physical Education Pedagogy
EDKP 654	(3)	Sport Psychology
EDKP 655	(3)	Inclusive Physical Activity
EDKP 664	(3)	Motor Learning
EDKP 665	(3)	Motor Behaviour and Disability
EDKP 671	(3)	Experimental Problems
EDKP 672	(6)	Advanced Experimental Problems

Students may also take courses from the Faculty of Education or the Faculty of Arts in consultation with an adviser (500, 600, or 700 level).

#### **Elective Courses (12 credits)**

12 credits (normally four courses) chosen in consultation with an adviser (should be 500, 600, or 700 level).

**5.11.3.8 Master of Science (M.Sc.) Kinesiology and Physical Education (Non-Thesis) (45 credits)**

\*\*This program is currently not offered.\*\*

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## 6 Faculty of Engineering

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### 6.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 9,000 graduate students in over 400 programs. *GPS* is here to support you from admissions through to graduation and beyond. We take a holistic approach to graduate student success; we support not only your academic development, but also your career-planning and professional development, and your well-being and student life. I invite you to consult the website *Resources for Your Success*, which is a one-stop-shop for the many resources and support systems in place for you across the University.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Dean, Graduate and Postdoctoral Studies*

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### 6.2 Graduate and Postdoctoral Studies

#### 6.2.1 Administrative Officers

##### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)	<b>Dean (Graduate and Postdoctoral Studies)</b>
Robin Beech; B.Sc.(Nott.), Ph.D.(Edin.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
France Bouthillier; B.Ed., C.Admin.(UQAM), M.B.S.I.(Montr.), Ph.D.(Tor.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Jean-Jacques Lebrun; B.Sc.(La Roche-sur-Yon), M.Sc.(Rennes), Ph.D.(Paris V)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Elisa Pylkkanen; B.A., M.A.(McG.)	<b>Director (Graduate and Postdoctoral Studies)</b>

#### 6.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal QC H3A 0G4  
Website: [www.mcgill.ca/gps](http://www.mcgill.ca/gps)



**Note:** For inquiries regarding specific graduate programs, please contact the appropriate department.

#### 6.2.3 Graduate and Postdoctoral Studies' Mission

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic excellence for graduate and postdoctoral education at McGill. GPS provides leadership and strategic direction across the university, in close collaboration with the academic and administrative units and the graduate and postdoctoral community.

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### 6.3 Important Dates

For all dates relating to the academic year, consult [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

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## 6.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources > Graduate > section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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## 6.5 Program Requirements

Refer to [University Regulations & Resources > Graduate > Regulations > section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Ad Personam Programs (Thesis Option Only)
- Coursework for Graduate Programs, Diplomas, and Certificates

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## 6.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#) for information on the application process.

i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who is a member of McGill's academic staff qualified in the discipline in which training is being provided and with the abilities to fulfil responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

## **2. Registration**

i. Postdocs must be registered annually with the University through Enrolment Services. Initial registration will require an original or notarized copy of the Ph.D. diploma. Re



- to verify the Postdoc's eligibility period for registration;
- to provide Postdocs with departmental policy and procedures that pertain to them;
- to oversee the registration and appointment of Postdocs;
- to assign departmental personnel (e.g., Postdoc coordinator and Graduate Program Director) the responsibility for Postdocs;
- to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
- to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include Postdocs in departmental career and placement opportunities;
- to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:

- to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
- to provide research guidance;
- to meet regularly with their Postdocs;
- to provide feedback on research submitted by the Postdocs;
- to clarify expectations regarding intellectual property rights in accordance with the University's policy;
- to provide mentorship for career development;
- to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

- to inform themselves of and adhere to the University'

will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

**Category 1:** An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

**Category 2:** An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

**Category 3:** An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

### General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diploma
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

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## 6.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 6.10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.6: Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees](#) for information on the following:

- Policy on Research Ethics
- Regulations on Research Policy
- Policy on Research Integrity
- Guidelines for Research Involving Human Subjects
- Guidelines for Research with Animal Subjects
- Policy on Intellectual Property

- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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## 6.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2018–2019 session as listed. The Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable at any time throughout the year.

### 6.11.1 Architecture

#### 6.11.1.1 Location

Peter Guo-hua Fu School of Architecture  
Macdonald-Harrington Building  
815 Sherbrooke Street West  
Montreal QC H3A 0C2  
Canada  
Telephone: 514-398-6700  
Fax: 514-398-7372  
Website: [www.mcgill.ca/architecture](http://www.mcgill.ca/architecture)

#### 6.11.1.2 About Peter Guo-hua Fu School of Architecture

##### **M.Arch. (Professional) (Non-Thesis), M.Arch. (Post-professional) (Non-Thesis), Ph.D.**

The Peter Guo-hua Fu School of Architecture at McGill University offers a professional Master of Architecture program, a post-professional Master of Architecture program, and a Ph.D. program.

The **M.Arch. (Professional)** requires the equivalency of the B.Sc. (Architecture) degree for admittance. There are two options for the completion of this [Canadian Architectural Certification Board \(CACB\)](#)-accredited degree:

- Design Studio (45 credits)
- Design Studio Directed Research (60 credits)

The M.Arch. (Professional) program is accredited by the CACB and is recognized as accredited by the [National Council of Architectural Registration Boards \(NCARB\)](#) in the U.S.

The **M.Arch. (Post-professional)** and the **Ph.D. programs** are for study beyond the professional degree in architecture. These programs have been conceived to respond to the needs of 1 Td the

registration, the accrediting process is intended to verify that each accredited program substantially meets those standards that, as a whole, comprise an appropriate education for an architect.

Please note that the M.Arch. (Post-professional) degree is not a professional degree and does not satisfy the requirements for certification with the CACB.

### **Professional Programs**

There are two options for the completion of this CACB-accredited degree:

#### *section 6.11.1.5: Master of Architecture (M.Arch.) Professional (Non-Thesis): Design Studio (45 credits)*

The Design Studio concentration is a three-term (Fall, Winter, and Fall) program based on a design-intensive professional curriculum and centred on the design studio. Students work in a traditional studio format for the first two terms and on a terminal design project in the third (Fall) term. Complementary and elective course offerings are organized to provide flexibility in individual program design and create opportunities for students to both explore the discipline and focus on subject areas related to research and design interests. This option is a three-term consecutive degree (Fall, Winter, Fall) requiring full-time residence for one calendar year

### *section 6.11.1.9: Doctor of Philosophy (Ph.D.) Architecture*

who will review the work in progress (ARCH 702 and ARCH 703). The final meeting takes place after the Committee has reviewed the full draft of the dissertation. If approved, the dissertation will then be submitted in its final form to the Thesis Office. Acceptance of the thesis by the examiners is followed by an oral defence.

#### **6.11.1.3 Architecture Admission Requirements and Application Procedures**

##### **6.11.1.3.1 Admission Requirements**

###### **M.Arch. (Professional) Program (Non-Thesis)**

Applicants holding the McGill B.Sc.(Arch.) degree, or equivalent, with a cumulative grade point average (CGPA) of at least 3.0 on a scale of 4.0, are eligible to apply for admission.

###### **M.Arch. (Post-professional) (Non-Thesis)**

Applicants holding an accredited professional degree in architecture, or equivalent, with a cumulative grade point average (CGPA) of at least 3.0 on a scale of 4.0, are eligible to apply for admission. In special cases, candidates with a degree in a related field may be considered.

###### **Ph.D.**

Candidates with high standing in McGill's M.Arch. (Post-professional), or who hold an equivalent degree from another university, are eligible to apply to this program. Those who do not have an appropriate background in the chosen research area may be recommended for the M.Arch. (Post-professional) program. Candidates who have an adequate background at the post-professional master's level in the proposed area of research will be admitted to Ph.D. 2 with the stipulation of additional courses from the M.Arch. (Post-professional) curriculum, if necessary.

A working knowledge of a language or languages relevant to the area of research is required.

##### **6.11.1.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

###### *6.11.1.3.2.1 Additional Requirements*

The items and clarifications below are additional requirements set by this department:

###### **Professional Master of Architecture:**

- Summary of work experience. A minimum of 16 weeks of work experience is required. Further information and guidelines are provided at [www.mcgill.ca/architecture/programs/professional/workexperience](http://www.mcgill.ca/architecture/programs/professional/workexperience). Please use the following: [Work Experience Form](#) [.pdf]\*



**Note:** Your employer's signature is required along with the company business card. We do NOT require the Director's signature.

- Curriculum Vitae
- Applicants are required to upload unofficial transcripts of all universities previously attended (including summer term, exchange term, or study-away term). If you are recommended for admission, you will later be required to supply official transcripts. Transcripts in languages other than English or French must be accompanied by an English or French translation provided by the institution issuing the transcript or by a certified translator. Please refer to





**Note:** Applications for Summer term admission will not be considered.

#### **6.11.1.4 Architecture Faculty**

##### **Director**

Martin Bressani

##### **Graduate Program Directors**

Robert Mellin (*Post-professional program*)

David Covo (*Professional program*)

##### **Emeritus Professors**

Bruce Anderson; B.Arch.(McG.), M.Arch.(Harv.), F.R.A.I.C., O.A.Q.

Derek Drummond; B.Arch.(McG.), F.R.A.I.C., O.A.Q., O.A.A. (*William C. Macdonald Emeritus Professor of Architecture*)

## Visiting Critics and Guest Lecturers

Each year, visitors are in



ARCH 512	(3)	Architectural Modelling
ARCH 514	(4)	Community Design Workshop
ARCH 515	(3)	Sustainable Design
ARCH 520	(3)	Montreal: Urban Morphology
ARCH 521	(3)	Structure of Cities
ARCH 526	(3)	Philosophy of Structure
ARCH 527	(3)	Civic Design
ARCH 528	(3)	History of Housing
ARCH 529	(3)	Housing Theory
ARCH 533	(3)	New Approaches to Architectural History
ARCH 540	(3)	Selected Topics in Architecture 1
ARCH 541	(3)	Selected Topics in Architecture 2
ARCH 622	(4)	Research Methods for Architecture
ARCH 626	(4)	Critical Design Strategies
ARCH 679	(3)	Writing in Architecture
ARCH 684	(4)	Contemporary Theory 1
ARCH 685	(4)	Contemporary Theory 2
URBP 555	(3)	Real Estate and Planning
URBP 651	(3)	Redesigning Suburban Space



ARCH 627	(3)	Research Methods for Urban Design and Housing
ARCH 679	(3)	Writing in Architecture Contemporary

semesters of coursework. Intensive seminars held during the first two terms focus on contemporary theory and research methods in urban design and housing. Students take ARCH 603 Urban Design and Housing Studio as an applied synthesis of the material discussed in the two core seminars. Nine credits of complementary coursework round out the Fall and Winter terms along with ARCH 623 Project Preparation, in which students develop the strategy for a major independent project (ARCH 632 Urban Design and Housing Research Report) to be completed in the Summer term.

**Research Report (15 credits)**

ARCH 632	(15)	Urban Design and Housing Research Report
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**Required Courses (18 credits)**

ARCH 551	(3)	Urban Design and Planning
ARCH 602	(3)	Housing Seminar
ARCH 603	(6)	Urban Design and Housing Studio
ARCH 623	(3)	Project Preparation
ARCH 627	(3)	Research Methods for Urban Design and Housing

**Complementary Courses (12 credits)**

12 credits of any courses at the 500 level or higher

Email:



### ***section 6.11.3.6: Doctor of Philosophy (Ph.D.) Biological and Biomedical Engineering***

challenge and make original contributions to the advancement of science and engineering in an area of Biological and Biomedical Engineering. Through independent research and thesis writing, the program will prepare students for careers in academia, industry, hospitals, and government. Students who complete the program will obtain a doctor of philosophy in Biological and Biomedical Engineering. The best preparation for this program is a master's degree in BBME or a related discipline.

For more information please consult [www.mcgill.ca/bbme/prospective-students/doctoral-program](http://www.mcgill.ca/bbme/prospective-students/doctoral-program).

### **6.11.3.3 Biological and Biomedical Engineering Admission Requirements and Application Procedures**

#### **6.11.3.3.1 Admission Requirements**

For up-to-date admission requirements, please consult [www.mcgill.ca/bbme/prospective-students/how-apply](http://www.mcgill.ca/bbme/prospective-students/how-apply) and [University Regulations & Resources > Graduate > Graduate Admissions and Application Procedures > section 1.4.2: Admission Requirements \(Minimum Requirements to be Considered for Admission\)](#).

#### **6.11.3.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources > Graduate > Graduate Admissions and Application Procedures >](#)





BMDE 501	(3)	Selected Topics in Biomedical Engineering
BMDE 502	(3)	BME Modelling and Identification
BMDE 503	(3)	Biomedical Instrumentation
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering
BMDE 506	(3)	Molecular Biology Techniques
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering
BMDE 509	(3)	Quantitative Analysis and Modelling of Cellular Processes
BMDE 510	(3)	Topics in Astrobiology
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems
BMDE 610	(3)	Functional Neuroimaging Fusion
BMDE 625D1	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 625D2	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 650	(3)	Advanced Medical Imaging
BMDE 651	(3)	Orthopaedic Engineering
BMDE 652	(3)	Bioinformatics: Proteomics
BMDE 653	(3)	Patents in Biomedical Engineering
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices
BMDE 655	(3)	Biomedical Clinical Trials - Medical Devices
CHEE 561	(3)	Introduction to Soft Tissue Biophysics
CHEE 563	(3)	Biofluids and Cardiovascular Mechanics
CHEE 651	(4)	Advanced Biochemical Engineering
CHEM 571	(3)	Polymer Synthesis
COMP 526	(3)	Probabilistic Reasoning and AI
COMP 546	(4)	Computational Perception
COMP 551	(4)	Applied Machine Learning
COMP 558	(3)	Fundamentals of Computer Vision
COMP 561	(4)	Computational Biology Methods and Research
COMP 652	(4)	Machine Learning
COMP 761	(4)	Advanced Topics Theory 2
DENT 669	(3)	Extracellular Matrix Biology
ECSE 523	(3)	Speech Communications
ECSE 526	(3)	Artificial Intelligence
ECSE 529	(3)	Computer and Biological Vision
ECSE 618	(4)	Haptics
ECSE 626	(4)	Statistical Computer Vision
ECSE 681*	(4)	Colloquium in Electrical Engineering
EPIB 521	(3)	Regression Analysis for Health Sciences
EXMD 609	(3)	Cellular Methods in Medical Research
EXMD 610	(3)	Molecular Methods in Medical Research
FACC 510	(3)	Selected Topics in the Faculty of Engineering 1
MATH 525	(4)	Sampling Theory and Applications



## 6.11.4 Chemical Engineering

### 6.11.4.1 Location

Department of Chemical Engineering  
 M.H. Wong Building  
 3610 University Street  
 Montreal QC H3A 0C5  
 Canada  
 Telephone: 514-398-4494  
 Fax: 514-398-6678  
 Email: [gradinfo.chemeng@mcgill.ca](mailto:gradinfo.chemeng@mcgill.ca)  
 Website: [www.mcgill.ca/chemeng](http://www.mcgill.ca/chemeng)

### 6.11.4.2 About Chemical Engineering

The Department offers programs leading to the **Master of Engineering** and the **Doctor of Philosophy** degrees.

The Department's offices and research laboratories are located in the M.H. Wong Building. Collectively, 17 members of the academic staff conduct research programs in almost all areas of modern chemical engineering, drawing upon theoretical, computational, and experimental methodologies. The Department's faculty have been well supported by government programs (e.g., *NSERC*, *FRQNT*, *CIHR*, *CFI*, and *CRC*) and industry through research partnerships and contracts. Our laboratories are equipped with state-of-the-art equipment, and we attract outstanding graduate students from all over the world. Our main current research areas are briefly described below.

**Advanced materials and polymers** – The Department has an internationally recognized research program in structural, functional, and biological materials, spanning synthesis, characterization, processing, and modelling activities, with strong links to academic, government, and industrial research centres. Areas include plasma processing (e.g., nanofluids, carbon nanotubes, advanced coatings) and polymeric or “soft” materials research (e.g., self-assembling or structured materials; complex fluids; liquid crystals; colloids and soft composites; and novel polymerization methods). Applications of the research are targeted toward the development of next-generation, high-density storage media, functional coatings, electronic devices, composite fluids and “smart” materials, to name but a few.

**Biomedical engineering and biotechnology** – The majority of professors in the Department are involved with biological engineering. This is a very broad research area that includes biotechnology and biomedical engineering. Biotechnology is an integrated approach of combining life sciences (e.g., biochemistry and cell biology) with process engineering, design, and scale-up principles. This is the use of biological systems or living organisms to do practical things and manufacture valuable products such as biohydrogen, drugs, therapeutics, polymers, and surfactants. Biomedical engineering combines the principles of engineering with medicine as well as life sciences and biology. Examples of this include:

- drug delivery methods;
- biomedical devices;
- cardiovascular and other biomechanics;
- biomaterials for applications such as artificial implants;
- products such as bacteriophages for alternative treatment techniques.

**Energy** – Energy usage has increased significantly since the steam engine launched the Industrial Revolution. This is due to our ever-growing human population, increased production of consumer goods, and rising use of energy-intensive devices such as automobiles, cell phones, computers, and climate comfort units. Instability in oil production and the inevitable depletion of fossil fuels is forcing scientists to find new resources and develop new technologies to keep pace with elevating energy demands. The Chemical Engineering Department at McGill University has an extensive research effort related to energy including:

- hydrogen production from microbial conversion of waste streams and electrolysis of water;
- hydrogen storage and molecular modelling of hydrogen storage;
- hydrogen fuel cells and solid oxide fuel cells;
- methane recovery, storage, and transportation using gas hydrates;
- oil and gas flow assurance;
- plasma technology to produce nanomaterials for energy conversion/storage devices.

**Environmental engineering** – Environmental engineering is the application of science and engineering principles to protect the environment and remediate contaminated sites. Chemical and environmental engineers develop and design processes to provide healthy air, water, and soil. They also develop green products and sustainable processes. Using their background in process engineering, environmental chemistry, earth sciences, and biology, engineers have to meet the current and future challenges in protecting, managing, and restoring the environment. Ongoing research in the area of environmental engineering in our department includes:

- the study of wastewater treatment processes;
- biodegradation of emerging pollutants;

- advanced oxidation processes;

(without a master's degree) with exceptionally high Academic Standing and outstanding research potential will be considered for direct admission to the Ph.D. program.

#### 6.11.4.3.2 Application Procedure

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

##### 6.11.4.3.2.1 Additional Requirements

- Reference Letter – Ph.D. applicants must submit a letter of recommendation from their master's research supervisor.

#### 6.11.4.3.3 Application Dates Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Chemical Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15
<b>Winter Term:</b>	Feb. 15	Sept. 10	Oct. 15	Oct. 15
<b>Summer Term:</b>	May 15	Jan. 15	Jan. 15	Jan. 15

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

Application Deadlines differ for International and Canadian (and Permanent Resident) students to allow time to obtain a visa. **grA 103.657 ts**

**Associate Professors**

Reghan James Hill; B.E.(Auck.), Ph.D.(Cornell)

Anne-Marie Kietzig; Dipl.Ing.(TU Berlin), Ph.D.(Br. Col.), ing.

Richard L. Leask; B.A.Sc., M.A.Sc.(Wat.), Ph.D.(Tor.), P.Eng.

Phillip Servio; B.A.Sc., Ph.D.(Br. Col.)

**Assistant Professors**

Noémie Dorval Courchesne; B.Sc., B.A. & Sc.(Ott.), Ph.D.(MIT)

Corinne Hoesli; B.Sc., B.A.Sc.(Ott.), Ph.D.(Br. Col.), ing.

Jan Kopyscinski; Dipl.Ing.(BTU Cottbus), Dr.Sc.(ETH Zurich)

Christopher Moraes; B.A.Sc., Ph.D.(Tor.)

**6.11.4.5 Master of Engineering (M.Eng.) Chemical Engineering (Thesis) (45 credits)****Thesis Courses (31 credits)**

CHEE 697	(6)	Thesis Proposal
CHEE 698	(12)	Thesis Research 1
CHEE 699	(13)	Thesis Research 2

**Required Courses (4 credits)**

CHEE 681	(1)	Laboratory Safety 1
CHEE 682	(1)	Laboratory Safety 2
CHEE 687	(2)	Research Skills and Ethics

**Complementary Courses (10 credits)**

4 credits from the following:

CHEE 611	(4)	Heat and Mass Transfer
CHEE 621	(4)	Thermodynamics
CHEE 631	(4)	Foundations of Fluid Mechanics
CHEE 641	(4)	Chemical Reaction Engineering
CHEE 651	(4)	Advanced Biochemical Engineering
CHEE 662	(4)	Computational Methods
CHEE 672	(4)	Process Dynamics and Control

A minimum of 3 credits of Chemical Engineering courses at the 500, 600, or 700 level.

Any remaining complementary course credit requirements may be fulfilled by completing Chemical Engineering or other Engineering or Science courses at the 500, 600, or 700 level.

**6.11.4.6 Master of Engineering (M.Eng.) Chemical Engineering (Non-Thesis) (45 credits)****Research Project**

Project (design or research): 6-12 credits.

6 credits must include the following course:

CHEE 695	(6)	Project in Chemical Engineering
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**Complementary Cour**





Macdonald Engineering Building, Room 492  
817 Sherbrooke Street West  
Montreal QC H3A 0C3  
Canada  
Telephone: 514-398-6858  
Fax: 514-398-7361  
Email: [gradinfo.civil@mcgill.ca](mailto:gradinfo.civil@mcgill.ca)  
Website: [www.mcgill.ca/civil](http://www.mcgill.ca/civil)

#### **6.11.5.2 About Civil Engineering and Applied Mechanics**

Advanced courses of instruction and laboratory facilities are available for Engineering graduate students who wish to proceed to the degrees of **M.Eng.**, **M.Sc.**, and **Ph.D.**

Graduate studies and research are at present being conducted in the fields of structures and structural mechanics; infrastructure rehabilitation; risk engineering; fluid mechanics and hydraulics; materials engineering; soil behaviour; soil mechanics and foundations; water resources engineering; environmental engineering; and transportation engineering.

#### **M.Eng. in Civil Engineering**

The master's degree can be pursued as a research degree (thesis) or as a coursework-based degree (project). The thesis degree is for those who wish to undertake research while the project degree is for those who wish to have a broader and more specialized training in civil engineering.

#### *section 6.11.5.5: Master of Engineering (M.Eng.) Civil Engineering (Thesis) (45 credits)*

Students obtain a deeper understanding of their area of specialty through courses selected with their supervisor. A two- to three-semester independent research project is undertaken in the field of structures and structural materials; infrastructure rehabilitation; risk engineering; fluid mechanics and hydraulics; materials engineering; soil behaviour; soil mechanics and foundations; water resources engineering; environmental engineering; and transportation engineering.

Applicants to graduate studies whose mother tongue is not English, and who have **not** completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must write either:

- the *TOEFL* (Test of English as a Foreign Language; preferably the Internet-based test (iBT)); Master's applicants must achieve an overall minimum score of 86 (iBT)

## Professors

Subhasis Ghoshal; B.C.E.(Jad.), M.S.(Missouri), Ph.D.(Carn. Mell), P.Eng.

Ghyslaine McClure; B.Ing.(Montr.), S.M.(MIT), Ph.D.(Montr.), Eng.

Denis Mitchell; B.A.Sc., M.A.Sc., Ph.D.(Tor.), F.A.C.I., Eng. (*James McGill Professor*)

Van-Thanh-Van Nguyen; B.M.E.(Nat. IT, Saigon), M.C.E.(A.I.T.), D.A.Sc.(Montr.), Eng.

James Nicell; B.A.Sc., M.A.Sc., Ph.D.(Windsor), P.Eng.; Dean, Faculty of Engineering

A. Patrick S. Selvadurai; M.S.(Stan.), D.I.C., Ph.D., D.Sc.(Nott.), F.R.S.C., F.E.I.C., F.I.M.A., F.C.S.C.E., P.Eng., C.Math. (*William Scott Professor*)  
(*James McGill Professor*)

Yixin Shao; B.Sc., M.S.(Tongji), Ph.D.(N'Western), P.Eng., F.A.C.I.

Laxmi Sushama; B.Tech.(Kerala), M.Eng.(Indian Inst. Sci.), MS.(NUI), Ph.D.(Melb.) (*Trottier Chair in Sustainability Engineering and Design*)

## Associate Professors

Andrew J. Boyd; B.Sc.Eng.(New Br.), M.A.Sc.(Tor.), Ph.D.(Br. Col.), P.Eng., F.A.C.I.

Luc E. Chouinard; B.Ing., M.Ing.(Montr.), B.C.L.(McG.), Sc.D.(MIT), Eng.

Dominic Frigon; B.Sc., M.Sc.(McG.), Ph.D.(Ill.-Urbana-Champaign), L.L.E.

**6.11.5.6 Master of Science (M.Sc.) Civil Engineering (Thesis) (45 credits)**

**Thesis Courses (27 credits)**

CIVE 630	(3)	Thesis Research 1
CIVE 631	(3)	Thesis Research 2
CIVE 632	(3)	Thesis Research 3
CIVE 633	(6)	Thesis Research 4
CIVE 634	(6)	Thesis Research 5
CIVE 635	(6)	Thesis Research 6

**Required Course**

1 credit:

CIVE 662	(1)	Master's (Thesis) Research Seminar
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**Complementary Courses (17 credits)**

**Transportation**

CIVE 540	(3)	Urban Transportation Planning
CIVE 542	(3)	Transportation Network Analysis
CIVE 560	(3)	Transportation Safety and Design
CIVE 609	(4)	Risk Engineering

**List B: Other Complementary Courses from the Department**

0-30 credits

Courses from List A that are not used to fulfill the 15 credits requirement of Research Courses can be used also as complementary courses.

CIVE 520	(3)	Groundwater Hydrology
CIVE 521	(3)	Nanomaterials and the Aquatic Environment
		Renov

0 or 5-15 credits



- Systems and Control;
- Integrated Circuits and Systems;
- Nano-Electronic Devices and Materials;
- Photonic Systems;
- Computational Electromagnetics;
- Power Engineering;
- Intelligent Systems;
- Software Engineering.

The Department is equipped with state-of-the-art experimental laboratories and there are numerous multidisciplinary research projects, so students are provided with an ideal environment to develop new technologies, discover novel phenomena, and design revolutionary devices.

**Research Facilities**

The Department has extensive laboratory facilities for all its main research areas. In addition, McGill University often collaborates with other institutions







**Professors**

David A. Lowther; B.Sc.(Lond.), Ph.D.(C.N.A.A.), F.C.A.E., Eng.

David V. Plant; M.S., Ph.D.(Brown), F.I.E.E.E., F.O.S.A., F.E.I.C., F.C.A.E., P.Eng. (*James McGill Professor*)

Gordon Roberts; B.A.Sc.(Wat.), M.A.Sc., Ph.D.(Tor.), F.I.E.E.E., Eng. (*James McGill Professor*) (*on sabbatical*)

Martin Rochette; B.A., M.Eng., Ph.D.(Laval)

Dániel Varró; M.Sc., Ph.D.(BME)

Zeljko Zilic; B.Eng.(Zagreb), M.Sc., Ph.D.(Tor.) (*on sabbatical*)

**Associate Professors**

Jan Bajcsy; B.Sc.(Harv.), M.Eng., Ph.D.(Princ.)

François Bouffard; B.Eng., Ph.D.(McG.) (*William Dawson Scholar*)

Benoit Boulet; B.Sc.(Laval), M.Eng.(McG.), Ph.D.(Tor.) (*Associate Dean, Research & Innovation*)

Mourad El-Gamal; B.Sc.(Cairo), M.Sc.(Nashville), Ph.D.(McG.)

Dennis Giannacopoulos; M.Eng., Ph.D.(McG.)

Roni Khazaka; M.Eng., Ph.D.(Car.)

Odile Liboiron-Ladouceur; B.Eng.(McG.), M.Sc., Ph.D.(Col.)

Aditya Mahajan, B.Tech.(Indian IT), M.S., Ph.D.(Mich.), P.Eng.

Muthucumar Maheswaran; B.Sc.(Peradeniya), M.S.E.E., Ph.D.(Purd.) (*joint appt. with School of Computer Science*)

Steve McFee; B.Eng., Ph.D.(McG.)

Brett Meyer; B.S.(Wisc.), M.S., Ph.D.(Carn. Mell), P.Eng.

Hannah Michalska; B.Sc., M.Sc.(Warsaw), Ph.D.(Lond.)

Sam Musallam; B.Sc., M.Sc., Ph.D.(Tor.)

Derek Nowrouzehzairi; B.Sc.(Wat.), M.Sc., Ph.D.(Tor.)

Milica Popovich; B.Sc.(Colo.), M.Sc., Ph.D.(N'western)

Ioannis Psaromiligkos; B.Sc.(Patras), M.Sc., Ph.D.(Buffalo)

Michael Rabbat; B.S.(Ill.), M.S.(Rice), Ph.D.(Wisc.) (*William Dawson Scholar*)

Ishiang Shih; M.Eng., Ph.D.(McG.)

Thomas Szkopek; B.A.Sc., M.A.Sc.(Tor.), Ph.D.(Calif.-LA)

**Assistant Professors**

Sharmistha Bhadra; B.Sc.(New Br.), M.Sc., Ph.D.(Manit.)

Shane McIntosh; B.A.(Comp.)(Guelph), M.Sc., Ph.D.(Qu.)

Gunter Mussbacher; Ph.D.(Ott.)

Xiaozhe Wang; B.Sc.(Zhejiang); M.Sc.(Cornell); Ph.D.(MIT)

**Associate Members**

Matthew Adam Dobbs; Ph.D.(Vic., BC)

Gregory Dudek; B.Sc.(Qu.), M.Sc., Ph.D.(Tor.)

Alan C. Evans; M.Sc.(Surrey), Ph.D.(Leeds)

William R. Funnell; M.Eng., Ph.D.(McG.)

David Juncker; Ph.D.(Neuchatel)

Nathaniel J. Quitoriano; B.S.(Calif.), Ph.D.(MIT)





Combustion, shock wave physics, heat transfer, and compressible gas dynamics.

**Design and manufacturing**

Design theory and methodology, design optimization; biomimetics; machine tools and systems, manufacturing processes, and management and control; micro/nano machining; wear and comminution processes.

**Dynamics and control**

#### ***section 6.11.7.8: Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)***

The Master in Manufacturing Management (M.M.M.) program attracts business professionals from around the world who wish to pursue a career in the effective management of global operations and supply chain. It is a professionally-oriented graduate program offered jointly through the Faculties of Engineering and Management, aimed at those candidates with engineering or science backgrounds.

In just eleven months of academic studies, M.M.M. students sharpen their expertise in supply chain and operations through an intensive program that includes:

- A challenging curriculum
- Extensive industrial interaction
- Innovative research projects

Additionally, students are exposed to the latest trends and developments in management and participate in professional development seminars to leverage their communication and leadership skills. After less than one year of studies, participants complete a paid work term at an industrial location. This is a unique opportunity to work on a real-world project with an M.M.M. partner company in North America.

#### ***section 6.11.7.9: Master of Science (M.Sc.) Mechanical Engineering (Thesis) (45 credits)***

Please consult the Department for more information on this program.

#### ***section 6.11.7.10: Doctor of Philosophy (Ph.D.) Mechanical Engineering***

In the Ph.D. program, students are required to demonstrate a significant new contribution to their field of research, as documented in an externally reviewed thesis. The research is carried out under the supervision of professors who are leaders in their field. Since research in Mechanical Engineering is often interdisciplinary in nature, it is common for Ph.D. students to have a co-supervisor in addition to their principle supervisor. Graduates from this program typically proceed to careers in research in either industrial or academic environments.

### **6.11.7.3 Mechanical Engineering Admission Requirements and Application Procedures**

#### **6.11.7.3.1 Admission Requirements**

The general rules of Graduate and Postdoctoral Studies apply. Candidates who come from other institutions are expected to have an academic background equivalent to the undergraduate curriculum in mechanical engineering at McGill or to make up any deficiencies in a Qualifying year.

Applicants to the M.Eng. (Thesis) program must hold an undergraduate degree (or equivalent) in Engineering. Applicants who hold an undergraduate degree in a non-Engineering discipline—typically the Physical Sciences—may apply for the M.Sc. (Thesis) program, which is governed by the same regulations as the M.Eng. (Thesis) program.

Applicants to the M.Eng. (Non-Thesis) program must hold an undergraduate degree (or equivalent) in Mechanical Engineering.

Applicants to the M.Eng. (Aerospace) program must hold an undergraduate degree (or equivalent) in Engineering. Applicants must be proficient in French.

Applicants to the Ph.D. program must have successfully completed a master's degree program (or equivalent) in Engineering or the Physical Sciences. In exceptional circumstances, students with outstanding performance at the bachelor's level may be offered direct entry into the Ph.D. program (Ph.D. 1).

In the case of all programs, applicants must have successfully completed their prior degree(s) with a minimum CGPA equivalent to 3.3 on a scale of 4.0. Satisfaction of these minimum requirements does not guarantee admission. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit official results of either a *TOEFL* or an

Application Opening Dates		Application Deadlines		
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15
<b>Winter Term:</b>	Feb. 15	Sept. 1	Oct. 15	Oct. 15
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

#### 6.11.7.4 Mechanical Engineering Faculty

##### Chair

Meyer Nahon

##### Associate Chair (Curriculum Affairs)

David L. Frost

##### Associate Chair (Undergraduate Affairs)

Srikar T. Vengallatore

##### Associate Chair (Graduate Affairs)

François Barthelat

##### Director, M.Eng. Aerospace Program

Mathias Legrand

##### Emeritus Professors

Abdul M. Ahmed; B.Sc.(Dhaka), Ph.D.(McG.), ing. (*Thomas Workman Emeritus Professor of Mechanical Engineering*)

Jorge Angeles; B.Sc., M.Sc.(UNAM Mexico), Ph.D.(Stan.), Eng., F.A.S.M.E., F.C.S.M.E., F.C.A.E., F.R.S.C. (*James McGill Professor*)

Romuald Knystautas; B.Eng., M.Eng., Ph.D.(McG.), ing.

Dan F. Mateescu; M.Eng.(Poli. U. Buch.), Ph.D.(Rom.)



## Professors

Luc Mongeau; B.Sc., M.Sc.(École Poly., Montr.), Ph.D.(Penn St.), ing. (*Canada Research Chair*)

Rosaire Mongrain; B.Sc., M.Sc.(Montr.), Ph.D.(École Poly., Montr.), ing. (*William Dawson Scholar*)

Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), ing., A.F.A.I.A.A.

Damiano Pasini; M.Sc.(Pavia), Ph.D.(Brist.), ing.

Inna Sharf; B.A.Sc., Ph.D.(Tor.)

## Associate Professors

Jeffrey M. Bergthorson; B.Sc.(Manit.), M.Sc., Ph.D.(Calif. Tech.), P.Eng.

Andrew J. Higgins; B.Sc.(Ill.), M.S., Ph.D.(Wash.)

Michael Kokkolaras; Dipl.Ing.(TUM), Ph.D.(Rice)

Jozsef Kövecses; M.Sc.(U. Miskolc), Ph.D.(Hung. Acad. Sci.), ing.

Tim Lee; M.S.(Portland St.), Ph.D.(Idaho)

Laurent Mydlarski; B.Sc.(Wat.), Ph.D.(Cornell)

Siva Nadarajah; B.Sc.(Kansas), M.S., Ph.D.(Stan.)

Evgeny V. Timofeev; M.Sc., Ph.D.(S.T.U. St. Petersburg), Eng., A.F.A.I.A.A.

Srikar T. Vengallatore; B.Tech.(B.H.U), Ph.D.(MIT)

## Assistant Professors

Mark Driscoll; B.Eng.(McG.), M.Sc.(Montr.), Ph.D.(École Poly., Montr.), P.Eng.

James R. Forbes; Ph.D.(Tor), B.Eng.(Wat.)

Mathias Legrand; M.Sc., Ph.D.(École Centrale, Nantes)

Jianyu Li; B.Eng.(Zhejiang), M.Sc., Ph.D.(Harv1 0 0 1 226.009 401.1 M.Sc.(P

## Associate Members

Jake Barralet

Renzo Ceccere

Allen Ehrlicher

Dan Nicolau

Abdolhamid Akbarzadeh Shafaroud

### 6.11.7.5 Master of Engineering (M.Eng.) Mechanical Engineering (Thesis) (45 credits)

Applicants who hold an undergraduate degree in a non-Engineering discipline – typically the Physical Sciences – may apply for the M.Sc. (Thesis) program, which is governed by the same regulations as the M.Eng. (Thesis) program.

#### Thesis Courses (28 credits)

MECH 691*	(3)	M.Eng. Thesis Literature Review
MECH 692	(4)	M.Eng. Thesis Research Proposal
MECH 693	(3)	M.Eng. Thesis Progress Report 1
MECH 694	(6)	M.Eng. Thesis Progress Report 2
MECH 695	(12)	M.Eng. Thesis

\* Note: MECH 691 must be taken in the first term of the student's program.

#### Required Courses

1 credit:

MECH 609	(1)	Seminar
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#### Complementary Courses (16 credits)

A minimum of 16 credits (500, 600, or 700 level) from the Faculty of Engineering or Faculty of Science, at least 8 of which must be from within the Faculty of Engineering. FACC courses will not count toward the complementary course credits.

### 6.11.7.6 Master of Engineering (M.Eng.) Mechanical Engineering (Non-Thesis) (45 credits)

#### Research Project (13 credits)

MECH 603	(9)	M. Eng. Project 1
MECH 604	(3)	M. Eng. Project 2
MECH 609	(1)	Seminar

Note: Industrial liaison is encouraged in these courses taken near the end of the program.

#### Required Courses (16 credits)

MECH 605	(4)	Applied Mathematics 1
MECH 610	(4)	Fundamentals of Fluid Dynamics
MECH 632	(4)	Advanced Mechanics of Materials
MECH 642	(4)	Advanced Dynamics

#### Complementary Courses (16 credits)

A minimum of 16 credits (500, 600, or 700 level) from the Faculty of Engineering may be selected by the student, based on interest and the choice of area of concentration. Courses at the graduate level from other faculties may also be taken, with prior approval from the student's project supervisor and the Graduate Program Director. A maximum of 3 credits of FACC courses at the 500, 600, or 700 level may be credited toward the degree.

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### **6.11.7.7 Master of Engineering (M.Eng.) Aerospace Engineering (Non-Thesis) (45 credits)**

The M.Eng. Aerospace Degree is offered to the students who wish to specialize in the general area of aerospace engineering. This degree is given in conjunction with Concordia University, École Polytechnique, Université Laval, Université de Sherbrooke, and École de Technologie Supérieure. Students registered at McGill are required to take two courses from two other institutions.

Depending on their background, students would specialize in one of the four areas:

1. Aeronautics and Space Engineering
2. Avionics and Control
3. Aerospace Materials and Structures
4. Virtual Environment

#### **Required Courses (9 credits)**

MECH 687	(3)	Aerospace Case Studies
MECH 688	(6)	Industrial Stage

#### **Complementary Courses (36 credits)**

MGCR 611	(2)	Financial Accounting
MGCR 612	(2)	Organizational Behaviour
MGCR 616	(2)	Marketing
MGCR 641	(2)	Elements of Modern Finance I

**General Business & Management**

6 credits from the following:

ACCT 624	(3)	Management Accounting: Planning & Control
INDR 603	(3)	Industrial Relations
ORGB 625	(3)	Managing Organizational Change
ORGB 632	(3)	Managing Teams in Organizations
ORGB 633	(3)	Managerial Negotiations
ORGB 640	(3)	The Art of Leadership
ORGB 685	(3)	Cross Cultural Management

**Manufacturing & Supply Chain**

12 credits from:

MECH 526	(3)	Manufacturing and the Environment
MECH 528	(3)	Product Design
MECH 529	(3)	Discrete Manufacturing Systems
MGSC 578	(3)	Simulation of Management Systems
MGSC 615	(3)	Procurement and Distribution

**6.11.7.9 Master of Science (M.Sc.) Mechanical Engineering (Thesis) (45 credits)**

Applicants who hold an undergraduate degree in a non-Engineering discipline – typically the Physical Sciences – may apply for the M.Sc. (Thesis) program, which is governed by the same regulations as the M.Eng. (Thesis) program.

**Thesis Courses (28 credits)**

MECH 691*	(3)	M.Eng. Thesis Literature Review
MECH 692	(4)	M.Eng. Thesis Research Proposal
MECH 693	(3)	M.Eng. Thesis Progress Report 1
MECH 694	(6)	M.Eng. Thesis Progress Report 2
MECH 695	(12)	M.Eng. Thesis

\* Note: MECH 691 must be completed in the first term of the student's program.

**Required Course**

1 credit:

MECH 609	(1)	Seminar
----------	-----	---------

**Complementary Courses (16 credits)**

A minimum of 16 credits (500, 600, or 700 level) from the Faculty of Engineering or Faculty of Science, at least 8 of which must be from within the Faculty of Engineering. FACC courses will not count toward the complementary course credits.

### 6.11.7.10 Doctor of Philosophy (Ph.D.) Mechanical Engineering

Candidates normally register for the M.Eng. degree in the first instance. However, in exceptional cases where the research work is proceeding very satisfactorily, or where the equivalent of the M.Eng. degree has been completed at another university, candidates may be permitted to proceed directly to the Ph.D. degree without submitting a master's thesis as long as they have satisfied the course requirements for the M.Eng. degree.

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses

MECH 700	(0)	Ph.D. Literature Review
MECH 701	(0)	Ph.D. Thesis Proposal
MECH 702	(0)	Ph.D. Comprehensive Preliminary Oral Examination

## 6.11.8 Mining and Materials Engineering

### 6.11.8.1 Location

Department of Mining and Materials Engineering  
M.H. Wong Building  
3610 University Street  
Montreal QC H3A 0C5  
Canada  
Email: [barbara.hanley@mcgill.ca](mailto:barbara.hanley@mcgill.ca)  
Website: [www.mcgill.ca/minmat](http://www.mcgill.ca/minmat)

Mining Engineering  
Telephone: 514-398-2215  
Fax: 514-398-7099

Materials Engineering  
Telephone: 514-398-4383  
Fax: 514-398-4492

### 6.11.8.2 About Mining and Materials Engineering

Graduate programs leading to **M.Eng.**, **M.Sc.**, and **Ph.D.** research degrees are available in the areas of:

- Geomechanics;
- Mining Environments;
- Strategic Mine Planning and Optimization;
- Stochastic Modelling;
- Operations Research;
- Mineral Economics;
- Materials Handling;
- Process Metallurgy;

- Ceramics;
- Electron Microscopy;
- Automotive and Aerospace Materials;
- Biomaterials;
- Nanomaterials;
-

*section 6.11.8.10: Master of Engineering (M.Eng.) Materials Engineering (Non-Thesis): Environmental Engineering (45 credits)*

Please consult the Department for more information about the M.Eng. Materials Engineering (Non-Thesis) program.

### 6.11.8.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Mining and Materials Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15
<b>Winter Term:</b>	Feb. 15	Sept. 1	Oct. 15	Oct. 15
<b>Summer Term:</b>	May 15	Jan. 15	Jan. 15	Jan. 15

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

### 6.11.8.4 Mining and Materials Engineering Faculty

#### Department Chair

George P. Demopoulos

#### Associate Chair, Materials Engineering Program

Richard Chromik

#### Associate Chair & Graduate Program Director

Mathieu Brochu





**Required Courses (9 credits)**

MIME 601	(0)	Engineering Laboratory Practice
MIME 610D1	(1.5)	Master's Foundation Course
MIME 610D2	(1.5)	Master's Foundation Course
MIME 670	(6)	Research Seminar 1

**Complementary Courses (9 credits)**

9 credits at the 500-level or higher selected from within and/or outside the Department in consultation with the student's supervisor and/or Advisory Committee.

**6.11.8.6 Master of Engineering (M.Eng.) Mining Engineering (Thesis) (45 credits)**

\*\* NEW PROGRAM \*\*

The M.Eng. in Mining Engineering (Thesis) is a research-oriented degree that focuses on skills and knowledge of mining engineering through coursework and a research thesis under the supervision of a Faculty member (professor). Specific emphasis is placed on research methods as well as fundamentals; as such, the program is the more suitable option for those whose primary interest is research. Graduates of this degree either pursue a Ph.D. or w

MIME 691	(3)	Thesis Research 2
MIME 692	(6)	Thesis Research 3
MIME 693	(3)	Thesis Research 4
MIME 694	(6)	Thesis Research 5
MIME 695	(3)	Thesis Research 6

**Required Courses (9 credits)**

MIME 601	(0)	Engineering Laboratory Practice
MIME 610D1	(1.5)	Master's Foundation Course
MIME 610D2	(1.5)	Master's Foundation Course
MIME 670	(6)	Research Seminar 1

**Complementary Courses (9 credits)**

9 credits at the 500-level or higher selected from within and/or outside the Department in consultation with the student's supervisor and/or Advisory Committee.

**6.11.8.8 Master of Science (M.Sc.) Mining Engineering (Thesis) (45 credits)**

\*\* NEW PROGRAM \*\*

The M.Sc. in Mining Engineering (Thesis) develops fundamental knowledge emphasizing practical applications and functional skills needed for solving mining engineering problems. This M.Sc. program is oriented towards individuals who intend to develop a career in mining engineering research. The candidates with a Bachelor's degree in a relevant discipline other than Engineering (ex: Science and Arts) may be accepted into the M.Sc. program.

**Thesis Courses (27 credits)**

MIME 690	(6)	Thesis Research 1
MIME 691	(3)	Thesis Research 2
MIME 692	(6)	Thesis Research 3
MIME 693	(3)	Thesis Research 4
MIME 694	(6)	Thesis Research 5
MIME 695	(3)	Thesis Research 6

**Required Courses (6 credits)**

MIME 601	(0)	Engineering Laboratory Practice
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6 credits from the following:

MIME 672D1*	(3)	Rock Mechanics Seminar
MIME 672D2*	(3)	Rock Mechanics Seminar
MIME 673	(6)	Mining Engineering Seminar

\* Note: Students must register for MIME 672D1 and MIME 672D2 in consecutive terms.

**Complementary Courses (12 credits)**

12 credits at the 500-level or higher selected from within and/or outside the Department in consultation with the student's supervisor and/or Advisory Committee.

**6.11.8.9 Master of Engineering (M.Eng.) Materials Engineering (Non-Thesis) (45 credits)**

\*\* NEW PROGRAM \*\*

The Master of Engineering in Materials Engineering: Non-Thesis program is primarily designed to train people with appropriate engineering or scientific background to allow them to work effectively in the materials industry to allow

One of the following courses:

CIVE 651	(4)	Theory: Water / Wastewater Treatment
CIVE 652	(4)	Bioprocesses for Wastewater Resource Recovery
CIVE 660	(4)	Chemical and Physical Treatment of Waters

#### **Air Pollution Engineering Course**

One of the following courses:

CHEE 592	(3)	Industrial Air Pollution Control
MECH 534	(3)	Air Pollution Engineering

#### **Soil and Water Quality Management Course**

One of the following courses:

BREE 533	(3)	Water Quality Management
CIVE 686	(4)	Site Remediation

#### **Environmental Impact Course**

One of the following courses:

GEOG 501	(3)	Modelling Environmental Systems
GEOG 551	(3)	Environmental Decisions

or an approved 500-, 600-, or 700-level alternative.

#### **Environmental Policy Course**

URBP 506	(3)	Environmental Policy and Planning
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or an approved 500-, 600-, or 700-level alternative.

#### **Elective Courses (11 credits)**

(minimum 11 credits)

Another project course and/or Engineering or non-Engineering 500-, 600-, or 700-level course subject to approval of the Department.

The relevant Project course in Materials Engineering is the following:

MIME 681	(6)	Materials Engineering Project 2
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#### **6.11.8.11 Master of Engineering (M.Eng.) Mining Engineering (Non-Thesis) (45 credits)**

**\*\* NEW PROGRAM \*\***

The Master of Engineering in Mining: Non-Thesis program is primarily designed for graduates from mining engineering programs who have received adequate academic training in modern mining technology, mineral economics, computer programming, and probabilities and statistics.

#### **Research Project (15 credits)**

MIME 628	(6)	Mineral Engineering Project 1
MIME 629	(6)	Mineral Engineering Project 2
MIME 634	(3)	Mineral Engineering Project 3

#### **Required Courses (6 credits)**

MIME 601	(0)	Engineering Laboratory Practice
MIME 673	(6)	Mining Engineering Seminar

**Complementary (24 credits)**

12 credits of MIME courses at the 500 level or higher.

12 credits of courses at the 500 le..

3-4 credits from the following:

BREE 533	(3)	Water Quality Management
CIVE 686	(4)	Site Remediation

### Environmental Impact Course

3 credits from the following:

GEOG 501	(3)	Modelling Environmental Systems
GEOG 551	(3)	Environmental Decisions

or an approved 500-, 600-, or 700-level alternative.

### Environmental Policy Course

3 credits from the following:

URBP 506	(3)	Environmental Policy and Planning
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or 3 credits approved at the 500-, 600-, or 700-level alternative.

### Elective Courses (11 credits)

(minimum 10 credits)

Another project course and/or Engineering or non-Engineering 500-, 600-, or 700-level course subject to approval of the Department.

The relevant Project course in Mining Engineering is the following:

MIME 629	(6)	Mineral Engineering Project 2
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### 6.11.8.13 Doctor of Philosophy (Ph.D.) Materials Engineering

\*\* NEW PROGRAM \*\*

Candidates for this degree must complete a minimum of two lecture courses assigned by the Department,

selected on the basis of previous academic training and research interests. Candidates must also pass a safety training course, participate in an appropriate Research Seminar course, and take a preliminary examination within their first year of Ph.D. study.

The candidate must submit an acceptable thesis based upon successfully completed research and must satisfy the examiners in an oral examination of the thesis.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (9 credits)

Revision, May 2018. Start of revision.

MIME 601	(0)	Engineering Laboratory Practice
MIME 701	(0)	Ph.D. Thesis Research Proposal
MIME 703	(0)	Ph.D. Comprehensive Exam
MIME 710D1	(1.5)	Ph.D. Foundation Course
MIME 710D2	(1.5)	Ph.D. Foundation Course
MIME 771	(6)	Research Seminar 2

Revision, May 2018. End of revision.

**Complementary Courses (6 credits)**

6 credits of courses at the 500 level or higher, approved by their supervisor.

**6.11.8.14 Doctor of Philosophy (Ph.D.) Mining Engineering**

\*\* NEW PROGRAM \*\*

Candidates for this degree must complete a minimum of two lecture courses assigned by the Department, selected on the basis of previous academic training and research interests. Candidates must also pass a safety training course, participate in an appropriate Research Seminar course and, take a preliminary examination within their first year of Ph.D. study.

**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses (6 credits)**

MIME 601	(0)	Engineering Laboratory Practice
MIME 701	(0)	Ph.D. Thesis Research Proposal
MIME 776	(6)	Research Seminar 3

**Complementary Courses (6 credits)**

6 credits of courses at the 500 level or higher, approved by their supervisor.

**6.11.8.15 Graduate Diploma (Gr. Dip.) Mining Engineering (30 credits)****Required Course (6 credits)**

MIME 601	(0)	Engineering Laboratory Practice
MIME 673	(6)	Mining Engineering Seminar

**Complementary Courses (24 credits)**

24 credits of courses at the 500 level or higher selected from within and/or outside the department in consultation with the Program Adviser.

**6.11.9 Urban Planning****6.11.9.1 Location**

School of Urban Planning  
Macdonald Harrington Building, Room 400  
815 Sherbrooke Street West  
Montreal QC H3A 0C2  
Canada  
Telephone: 514-398-4075  
Fax: 514-398-8376  
Email: [admissions.planning@mcgill.ca](mailto:admissions.planning@mcgill.ca)  
Website: [www.mcgill.ca/urbanplanning](http://www.mcgill.ca/urbanplanning)

**6.11.9.2 About Urban Planning**

Urban planning is the process by which a community shapes its environment to meet its needs and realize its aspirations. Urban planning is also the profession of those who facilitate this process. While the practice of planning is as old as the cities themselves, the Urban Planning profession is only about a century old. In the late 19th and early 20th centuries, architects, landscape architects, engineers, government reformers, lawyers, public health specialists, and others joined forces to tackle the serious social and environmental problems of the industrial city. They created new techniques and institutions to improve living conditions and decision-making processes, with an eye to improving cities in terms of health, safety, efficiency, equity, beauty, identity, etc. Today, people who enter the profession come from diverse backgrounds as well, including the design professions, engineering and applied sciences, environmental and



social studies, and other fields. Their challenge is to reinvent tools and procedures to meet new challenges in making cities socially, economically and environmentally sustainable. A key feature of planning education is learning to view issues in a multidisciplinary way, to manage processes of collaboration and of conflict, and to generate equitable and efficient solutions to complex problems of urban development.

McGill University w

### **6.11.9.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) and [www.mcgill.ca/urbanplanning/how-apply](http://www.mcgill.ca/urbanplanning/how-apply) for detailed application procedures.

#### **6.11.9.3.2.1 Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- Personal Statement (one to two pages)
- Curriculum Vitae
-

### **Associate Professors**

Raphaël Fischler; B.Eng.(Eindhoven), M.Sc., M.C.P.(MIT), Ph.D.(Calif., Berk.)

Nik Luka; B.A.A.(Ryerson), M.Arch.(Laval), Ph.D.(Tor.) (*joint appt. with School of Architecture*)

### **Assistant Professor**

David Wachsmuth; B.A.(McG.), M.Sc.(Tor.), Ph.D.(NYU)

### **Adjunct Professors**

Jayne Engle; B.Sc.(Eastern Univ., Penn.), M.B.A.(Temple), M.U.R.P.(Pitt.), Ph.D.(McG.)

Nilson Espino; B.Arch.(Catolica Santa Maria La Antigua), M.Sc.(Ariz.), Ph.D.(Rice)

~~Muhammad~~ Haider; B.Sc.(NWFP UET, 52 621.24 Tme), M.U.R.P

URBP 628 (6) Practical Experience

**Complementary Courses (18 credits)**

Students are encouraged to complete at least one course in each of the four areas of design, environment, housing, and transportation.

## Group A

9-18 credits from the following:

ARCH 515	(3)	Sustainable Design
ARCH 517	(3)	Sustainable Residential Development
ARCH 520	(3)	Montreal: Urban Morphology
ARCH 564	(3)	Design for Development
ARCH 566	(3)	Cultural Landscapes Seminar
CIVE 540	(3)	Urban Transportation Planning
CIVE 561	(3)	Urban Activity, Air Pollution, and Health
GEOG 504	(3)	Advanced Economic Geography
GEOG 525	(3)	Asian Cities in the 21st Century
URBP 501	(2)	Principles and Practice 1
URBP 504	(3)	Planning for Active Transportation
URBP 505	(3)	Geographic Information Systems
URBP 506	(3)	Environmental Policy and Planning
URBP 507*	(3)	Planning and Infrastructure
URBP 514	(4)	Community Design Workshop
URBP 519*	(6)	Sustainable Development Plans
URBP 520*	(3)	Globalization: Planning and Change
URBP 530	(3)	Urban Infrastructure and Services in International Context
URBP 536	(2)	Current Issues in Transportation 1
URBP 537	(2)	Current Issues in Transportation 2
URBP 541	(1)	Selected Topics in Planning
URBP 542	(1)	Selected Topics in Visual Analysis
URBP 543	(3)	Special Topics
URBP 551	(3)	Urban Design and Planning
URBP 553	(3)	Urban Governance
URBP 555	(3)	Real Estate and Planning
URBP 556	(3)	Urban Economy: A Spatial Perspective
URBP 604	(3)	Urban Design Seminar
URBP 608	(3)	Advanced GIS Applications
URBP 616	(3)	Selected Topics 1
URBP 617	(3)	Selected Topics 2
URBP 618	(3)	Selected Topics 3
URBP 619	(3)	Land Use and Transportation Planning
URBP 620	(3)	Transportation Economics
URBP 625	(2)	Principles and Practice 2
URBP 626	(2)	Principles and Practice 3
URBP 629	(3)	Cities in a Globalizing World

URBP 634*	(3)	Planning Water Resources in Barbados
URBP 644	(1)	Multivariate Statistics
URBP 645	(1)	Social Research Methods 1
URBP 646	(1)	Social Research Methods 2
URBP 647	(1)	Selected Methods in Planning 1
URBP 648	(1)	Selected Methods in Planning 2
URBP 649	(1)	Visual and Spatial Methods
URBP 651	(3)	Redesigning Suburban Space
URBP 656	(3)	Urban Innovation and Creativity

\* Courses open only to students enrolled in the Barbados Field Study Semester during the fall term of their second year in the program. With this option, URBP 519 is substituted for URBP 624. Coursework must include URBP 507, URBP 520, and URBP 634. All other requirements for the M.U.P. degree apply.

#### Group B

0-9 credits from the following:

Students may take up to 9 credits of coursework offered at the 500 or 600 levels by any academic unit at McGill or at another Montreal university, with the approval of the School, if they help students to develop an in-depth knowledge of one or more subject areas in the field of planning, with the approval of the School. Choices usually include courses in real-estate analysis, urban geography, sociology, anthropology, law, politics, and environmental science. Students must confirm prior to registration that the selected course(s) can be counted toward the M.U.P. degree.

**Revision, May 2018. End of revision.**

#### **6.11.9.6 Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis): Transportation Planning (66 credits)**

**Revision, May 2018. Start of revision.**

The Transportation Planning Option enables students to specialize in this field as part of their course of study for the Master of Urban Planning degree (M.U.P.). Studio courses, an internship, and a final project involve real-life work that prepares students for the professional practice of urban transportation planning. Admission into the concentration is based on a competitive selection process at the end of the first year of study in the M.U.P. program.

#### **Research Project (15 credits)**

URBP 630	(3)	Supervised Research Project 1
URBP 631	(6)	Supervised Research Project 2
URBP 632	(6)	Supervised Research Project 3

#### **Required Internship (6 credits)**

URBP 628	(6)	Practical Experience
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#### **Required Courses (33 credits)**

URBP 505	(3)	Geographic Information Systems
URBP 609	(1)	Planning Graphics 1
URBP 610	(1)	Planning Graphics 2
URBP 611	(1)	Planning Graphics 3
URBP 612	(3)	History and Theory of Planning
URBP 619	(3)	Land Use and Transportation Planning
URBP 622	(6)	Planning Studio 1
URBP 623	(3)	Planning Studio 2
URBP 624	(6)	Planning Studio 3
URBP 635	(3)	Planning Law



URBP 610	(1)	Planning Graphics 2
URBP 611	(1)	Planning Graphics 3
URBP 612	(3)	History and Theory of Planning
URBP 622	(6)	Planning Studio 1
URBP 623	(3)	Planning Studio 2
URBP 624	(6)	Planning Studio 3
URBP 635	(3)	Planning Law
URBP 641	(1)	Reading the Urban Landscape
URBP 642	(1)	Introduction to Planning Data
URBP 643	(1)	Introduction to Geographic Information Systems

### Complementary Courses (15 credits)

A minimum of 9 credits are selected from Group A; the remaining credits can be selected from Group A or Group B as indicated below.

#### Group A (9-12 credits)

At least 9 credits (three courses) from the following:

URBP 553	(3)	Urban Governance
URBP 555	(3)	Real Estate and Planning
URBP 557	(3)	The City in History
URBP 604	(3)	Urban Design Seminar

#### Group B (0-6 credits)

0-6 credits from the following or other 500 or 600 level courses (see note below):

ARCH 515	(3)	Sustainable Design
ARCH 517	(3)	Sustainable Residential Development
ARCH 521	(3)	Structure of Cities
ARCH 564	(3)	Design for Development
ARCH 566	(3)	Cultural Landscapes Seminar
GEOG 525	(3)	Asian Cities in the 21st Century
URBP 501	(2)	Principles and Practice 1
URBP 504	(3)	Planning for Active Transportation
URBP 506	(3)	Environmental Policy and Planning
URBP 514	(4)	Community Design Workshop
URBP 530	(3)	Urban Infrastructure and Services in International Context
URBP 541	(1)	Selected Topics in Planning
URBP 542	(1)	Selected Topics in Visual Analysis
URBP 543	(3)	Special Topics
URBP 556	(3)	Urban Economy: A Spatial Perspective
URBP 616	(3)	Selected Topics 1
URBP 617	(3)	Selected Topics 2
URBP 618	(3)	Selected Topics 3
URBP 619	(3)	Land Use and Transportation Planning
URBP 625	(2)	Principles and Practice 2

626	(2)	Principles and Practice 3
629	(3)	Cities in a Globalizing World
641	(1)	Reading the Urban Landscape
644	(1)	Multivariate Statistics
645	(1)	Social Research Methods 1
646	(1)	Social Research Methods 2
647	(1)	Selected Methods in Planning 1
URBP 648	(1)	Selected Methods in Planning 2
URBP 649	(1)	Visual and Spatial Methods
URBP 651	(3)	Redesigning Suburban Space
URBP 656	(3)	Urban Innovation and Creativity

Students may also take courses at the 500 or 600 level in any academic unit at McGill or at another Montreal uni , subject to the appro

**Revision, May 2018.**      **vision.**



Montreal QC H3A 0G4  
Website: [www.mcgill.ca/gps](http://www.mcgill.ca/gps)



**Note:** For inquiries regarding specific graduate programs, please contact the appropriate department.

**Graduate and P**

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## **7.8 Postdoctoral Research**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

### **7.8.1 Postdocs**

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist him/her in research.

the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

## **5. Responsibilities**

i. Postdocs are subject to the following responsibilities

### **7.8.3 Vacation Policy for Graduate Students and Postdocs**

Graduate students and Postdocs should normally be entitled to vacation leave equiv

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## 7.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 7.10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.6: Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees](#) for information on the following:

- Policy on Research Ethics
- Regulations on Research Policy
- Policy on Research Integrity
- Guidelines for Research Involving Human Subjects
- Guidelines for Research with Animal Subjects
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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## 7.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2018–2019 session as listed. The Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable at any time throughout the year.

### 7.11.1 Environment

#### 7.11.1.1 Location

##### **Downtown Campus**

McGill School of Environment  
3534 University Street  
Montreal QC H3A 2A7  
Canada  
Telephone: 514-398-2827  
Fax: 514-398-1643

##### **Macdonald Campus**

McGill School of Environment  
Rowles House  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue QC H9X 3V9  
Canada  
Telephone: 514-398-7559

*Coordinator* – C. Zhu



**Entomology (under [section 2.11.7: Natural Resource Sciences](#))**

[section 2.11.7.7: Master of Science \(M.Sc.\) Entomology \(Thesis\): Environment \(46 credits\)](#) ( [Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Natural Resource Sciences)

[section 2.11.7.16: Doctor of Philosophy \(Ph.D.\) Entomology: Environment](#) ( [Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Natural Resource Sciences)

**[section 3.11.9: Geography](#)**

[section 3.11.9.7: Master of Arts \(M.A.\) Geography \(Thesis\): Environment \(45 credits\)](#) (

### **7.11.1.3 Environment Admission Requirements and Application Procedures**

#### **7.11.1.3.1 Admission Requirements**

Candidates must apply **separately** to the McGill School of Environment (MSE) for the graduate Environment option. Their acceptability will be based on their academic experience and performance, and availability of a potential MSE-accredited supervisor or co-supervisor for their proposed research. For further information, please consult the following website: [www.mcgill.ca/mse/envroption](http://www.mcgill.ca/mse/envroption).

#### **7.11.1.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > *Gr*



## **Faculty Lecturers**

Julia Freeman; B.A.(S. Fraser), M.A.(McG.), Ph.D.(Br. Col.)

George McCourt; B.Sc., M.Sc.(Alta.), M.Sc.(McG.)

Kathryn Roulet; B.Sc.(Trent), M.Sc.(Guelph)

## **Associate Members**

*Anthropology:* John Galaty

*Architecture, School of:* Nik Luka

*Atmospheric and Oceanic Sciences:* Parisa Ariya

*Biology:* Lauren Chapman, Andrew Gonzalez, Irene Gregory-Eaves, Catherine Potvin

*Bioresource Engineering:* Jan Adamowski, Grant Clark, Mark Lefsrud, Chandra Madramootoo

*Chemical Engineering:* Nathalie Tufenkji, Viviane Yargeau

*Chemistry:* Christopher Barrett

*Civil Engineering and Applied Mechanics:* Susan Gaskin, Van-Thanh-Van Nguyen, Jim Nicell

*Earth and Planetary Sciences:* Jeanne Paquette

*Economics:* Chris Green, Tom Naylor

*Electrical and Computer Engineering:* Geza Joos



- Doctoral Degrees
- Ad Personam Programs (Thesis Option Only)
- Coursework for Graduate Programs, Diplomas, and Certificates

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## 8.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#) for information on:

- Application for Admission
- Admission Requirements
- Application Procedures
- Competency in English

and other important information reg

ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement and supporting document—[\*Commitments of Postdoctoral Sc\*](#))

- to clarify expectations regarding intellectual property rights in accordance with the University's policy;
- to provide mentorship for career development;
- to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

- to inform themselv

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

**General Conditions**

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diploma
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The indi

## 8.11.1 Law

### 8.11.1.1 Location

Faculty of Law  
Graduate Programs in Law  
New Chancellor Day Hall  
3644 Peel Street, Room 406  
Montreal QC H3A 1W9  
Canada  
Telephone: 514-398-6635  
Fax: 514-398-8453  
Email: [grad.law@mcgill.ca](mailto:grad.law@mcgill.ca)  
Website: [www.mcgill.ca/law-gradprograms](http://www.mcgill.ca/law-gradprograms)

*Associate Dean (Graduate Studies)* – Richard Gold

### 8.11.1.2 About Law

Graduate students in Law at McGill have one thing in common: a sharp curiosity to explore ideas and projects in an environment that is uniquely comparative and pluralist.

The extensive and impressive history of graduate teaching and supervision at McGill, combined with the innovations in legal pedagogy for which the Faculty of Law is celebrated, create an unrivaled quality and experience for graduate students. Grounded in Montreal, a city that embodies a lively mix of languages, cultures, and communities, the Faculty of Law invites students pursuing their D.C.L. and LL.M. degrees to discover and write within a community of legal scholars that is internationally renowned and engaging.

McGill's Faculty of Law is a meeting place for the major languages of North America, for the world's legal traditions, and for students who wish to participate in the graduate life of a truly outstanding, prestigious, and intellectually vibrant Faculty of Law.

The Faculty of Law offers a range of programs at the graduate level. These include the degrees of **Master of Laws** (LL.M.) with thesis and non-thesis options, **Doctor of Civil Law** (D.C.L.), and





### *section 8.11.1.17: Graduate Certificate (Gr. Cert.) Air and Space Law (15 credits)*

The Graduate Certificate in Air and Space Law is a course-based program designed for students with a strong professional orientation. This certificate is particularly appropriate for jurists and other professionals who wish to pursue graduate-level legal studies in aviation, air and space law, government regulations, conventions, and treaties dealing with these areas.

### *section 8.11.1.18: Graduate Certificate (Gr. Cert.) Comparative Law (15 credits)*

The Graduate Certificate in Comparative Law provides advanced training to candidates who do not wish to undertake the master's degree. The Graduate Certificate is particularly appropriate for judges, law professors, and legal practitioners from countries undergoing substantial legal reform (such as post-Communist or developing countries) who wish to pursue advanced studies in areas such as civil, commercial, or human rights law.

## **8.11.1.3 Law Admission Requirements and Application Procedures**

### **8.11.1.3.1 Admission Requirements**

Applicants must submit their application through [uApply](#). Any questions regarding the status of an application must be sent via the **uApply communication tool**. For detailed information on the application process, please visit the [Faculty website](#).

#### *8.11.1.3.1.1 Language Requirement*

Graduate-level courses are generally offered in English, and an adequate level of proficiency in English must be demonstrated for admission. In order to understand all course materials, the ability to speak and read French is an asset. At McGill's Faculty of Law, all students may choose to write essays, examinations, and theses in English or French. In areas such as the study of private law in the civilian tradition or comparative private law, a reading knowledge of French is essential.

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required **prior to admission**. For a list of acceptable test scores and minimum requirements, visit [www.mcgill.ca/law-gradprograms/prospective-students/admissions/eligibility](http://www.mcgill.ca/law-gradprograms/prospective-students/admissions/eligibility).

#### *8.11.1.3.1.2 LL.M. Programs*

Candidates for admission to the master's programs must hold a bachelor's degree (or equivalent) in Law (such as LL.B. or J.D.), with a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0 (or equivalent).<sup>\*</sup> This standing does not guarantee admission; the Graduate Admissions Committee weighs the entire dossier, including the applicant's reference letters and the quality of the research proposal.

<sup>\*</sup> *Candidates holding law degrees from programs delivered by distance or by online teaching and learning are inadmissible to the McGill LL.M., D.C.L., or Graduate Certificate programs.*

#### *8.11.1.3.1.3 LL.M. Interdisciplinary Options*



**Note:** The availability of these options is subject to relevant courses being offered in a given year.

- 1. Environment Option:** This option is available to students who apply for admission to the LL.M. Thesis or Non-Thesis program at the Faculty of Law. For further information, see [Environment](#) > Graduate > Browse Academic Units & Programs > [section 7.11.1: Environment](#) or visit [www.mcgill.ca/mse/envroption](http://www.mcgill.ca/mse/envroption).
- 2. Bioethics Option:** This option is available to students who apply for admission to the LL.M. Thesis program at the Faculty of Law. For further information, see [Medicine](#) > *v Tj1 0 0 1cTm(F)Tj1 0 0 1 86.076 301 0 0 1 175.605a605 309.81 bachelor's .98g*

### 8.11.1.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

#### 8.11.1.3.2.1 Additional Requirements

The items below are additional requirements set by the Faculty of Law. For further information, visit [www.mcgill.ca/law-gradprograms/prospective-students/admissions/deadlines-and-required-documents](http://www.mcgill.ca/law-gradprograms/prospective-students/admissions/deadlines-and-required-documents).

- Proof of English proficiency (for applicants whose mother tongue is not English)
- Research Proposal (D.C.L. and LL.M. applicants)
- Personal Statement (graduate certificate applicants only)
- Two Reference Letters from **academic referees**
- Curriculum Vitae
- Master's thesis (D.C.L. applicants only)

### 8.11.1.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Faculty of Law and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Dec. 15	Dec. 15	Dec. 15
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

The **application deadline** to all graduate programs in law (LL.M., D.C.L., Graduate Certificates) is **December 15**. **The Faculty of Law will not consider applications received on or after December 16.**

The Faculty of Law offers **Fall term admission only**; the Faculty will not consider applications for Winter or Summer entry. Applications submitted for the Winter and Summer terms will be cancelled without reimbursement of the application fee.



**Note:** The application fee is non-refundable.

### 8.11.1.4 Course Selection (Graduate and Postdoctoral Law Programs)

**Courses offered within this concentration may include:**

Comparative Modern Legal History (CMPL 519)  
 Feminist Legal Theory (CMPL 504)  
 Human Rights & Cultural Diversity (CMPL 603)  
 Jurisprudence (CMPL 501)  
 Legal Education Seminar (LAWG 525)  
 Legal Theory (CMPL 506)  
 Legal Traditions (CMPL 600)  
 Linguistic and Literary Approaches to Law (CMPL 507)  
 Restitution (PRV4 500)  
 Roman Law (CMPL 510)  
 Sentencing in Canadian Law (PUB2 504)  
 Social Diversity and Law (CMPL 511)  
 Talmudic Law (CMPL 513)  
 Theoretical Approaches to Law (CMPL 641)

**8.11.1.4.2 International Business Law**

This field has practical significance in international business relations and also provides opportunities to apply experience derived from multiple legal systems to the development of multi-jurisdictional, “international” commercial rules.

**Courses offered within this concentration may include:**

Airline Business and Law (ASPL 614)  
 Comparative Air Law (ASPL 632)  
 Comparative Legal Institutions (CMPL 517)  
 Copyright and Trademark Theory (BUS2 500)  
 Corporate Finance (BUS2 505)  
 European Union Law 1 (CMPL 536)  
 European Union Law 2 (CMPL 537)  
 Government Control of Business (CMPL 574)  
 Government Regulation of Space Activities (ASPL 639)  
 Intellectual & Industrial Property (BUS2 502)  
 International Business Law (CMPL 604)  
 International Carriage of Goods by Sea (CMPL 515)  
 International Development Law (CMPL 516)  
 International Environmental Law and Politics (CMPL 546)  
 International Maritime Conventions (CMPL 553)  
 International Taxation (CMPL 539)  
 Law and Practice of International Trade (CMPL 543)  
 Law of Space Applications (ASPL 638)  
 Patent Theory and Policy (BUS2 501)  
 Private International Air Law (ASPL 636)  
 Public International Air Law (ASPL 633)  
 Resolution of International Disputes (CMPL 533)  
 Securities Regulation (BUS2 504)

**8.11.1.4.3 Human Rights and Cultural Diversity**

Building on the Faculty's strength in public law, this concentration promotes the comparative study of human rights law. It provides students with opportunities to reflect critically on the emergence and institutionalization of human rights norms in both domestic and international settings and to explore complexities arising from cultural diversity.

**Courses offered within this concentration may include:**

Aboriginal Peoples and the Law (CMPL 500)  
Advanced Criminal Law (PUB2 501)  
Children and the Law (PRV2 500)  
Civil Liberties (CMPL 573)  
Discrimination and the Law (CMPL 575)  
Feminist Legal Theory (CMPL 504)  
Human Rights & Cultural Diversity (CMPL 603)  
International Criminal Law (PUB2 502)  
International Humanitarian Law (CMPL 565)  
International Law of Human Rights (CMPL 571)  
Law and Psychiatry (PUB2 500)  
Social Diversity and Law (CMPL 511)

**8.11.1.4.4 Regulation, Technology and Society**

This concentration focuses on the comparative and interdisciplinary study of legal regulation in areas of rapid technological change. It encourages critical reflection on notions of the public interest and its protection in areas as diverse as the biomedical sciences, the environment, the growth of computer networks, and the commercial exploitation of space.

**Courses offered within this concentration may include:**

Communications Law (CMPL 577)  
Comparative Medical Law (CMPL 551)  
Computers and the Law (CMPL 578)  
Environment and the Law (CMPL 580)  
Government Control of Business (CMPL 574)  
Intellectual & Industrial Property (BUS2 502)  
International Environmental Law and Politics (CMPL 546)  
Land Use Planning (PRV4 545)  
Law and Health Care (CMPL 642)  
Law and Psychiatry (PUB2 500)  
Medical Liability (CMPL 522)  
Policies, Politics and Legislative Process (CMPL 518)  
Regulation Technology/Society (CMPL 605)  
Trade Regulation (CMPL 521)

**8.11.1.4.5 Air and Space Law**

This field explores legal issues that arise from international civil aviation and new technologies in space. It provides a comprehensive understanding of the legal processes regulating worldwide aerospace activities.

**Courses offered within this concentration may include:**

Government Regulation of Air Transport (ASPL 613)  
Airline Business and Law (ASPL 614)  
Comparative Air Law (ASPL 632)

**Courses offered within this concentration may include:**

Public International Air Law (ASPL 633)

Private International Air Law (ASPL 636)

Space Law: General Principles (ASPL 637)

Law of Space Applications (ASPL 638)

Government Regulation of Space Activities (ASPL 639)

**8.11.1.5 Master of Laws (LL.M.) Law (Thesis) (45 credits)**

The 45-credit LL.M. program, thesis option, is a research-intensive graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of kno



CMPL 614	(3)	Master's Thesis 3
CMPL 615	(6)	Master's Thesis 4
CMPL 616	(12)	Master's Thesis 5

### Required Courses (12 credits)

CMPL 610	(3)	Legal Research Methodology
ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

### Complementary Courses (6 credits)

0-3 credits chosen from:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

3-6 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

#### 8.11.1.8 Master of Laws (LL.M.) Law (Non-Thesis) (45 credits)

The 45-credit LL.M. non-thesis option complements previous legal education through specialized graduate-level coursework and in-depth research. It enhances expertise in selected areas of legal scholarship and offers an opportunity to write a supervised, substantial, and publishable paper in an area of interest.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term is devoted to the Research Project, usually taken in the Summer of the first year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

#### Research Project (15 credits)

The supervised research project is a 15,000-word paper, assessed by the supervisor on a pass-fail basis, and is typically completed in the Summer.

CMPL 655	(15)	Research Project 1
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**Required Courses (91 0Trn83.964/F1 8.1 Tf1 0 0 1 221.949n83.964/F1 (Le)Tj1 0 0 1 230.37n83.964/F1 (g)Tj1 0 0 1 234.384 643.441 Tm(al Rese**

With the approval of the



With the approval of the Associate Dean (Graduate Studies) and Graduate and Postdoctoral Studies (GPS), students may take up to an additional 3 credits of research project courses by completing one or both of:

CMPL 656	(2)	Research Project 2
CMPL 657	(1)	Research Project 3

#### **8.11.1.10 Master of Laws (LL.M.) Law (Thesis): Air and Space Law (45 credits)**

The 45-credit LL.M. program, thesis option, in Air and Space Law is a research-intensive graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate-level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

#### **Thesis Courses (24 credits)**

As part of the course Master's Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses, and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

ASPL 690	(3)	Master's Thesis 1
ASPL 691	(3)	Master's Thesis 2
ASPL 692	(6)	Master's Thesis 3
ASPL 693	(12)	Master's Thesis 4

#### **Required Courses (12 credits)**

ASPL 633	(3)	Public International Air Law
ASPL 636	(3)	Private International Air Law
ASPL 637	(3)	Space Law: General Principles
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

#### **Complementary Courses (9 credits)**

3 credits from the following:

CMPL 610D1	(1.5)	Legal Research Methodology
CMPL 610D2	(1.5)	Legal Research Methodology
CMPL 641	(3)	Theoretical Approaches to Law

6 credits at the 500 level or higher, chosen from among Faculty offerings (including ASPL offerings).

#### **8.11.1.11 Master of Laws (LL.M.) Law (Non-Thesis): Air and Space Law (45 credits)**

The 45-credit LL.M. program, non-thesis option, in Air and Space Law complements previous legal education through specialized graduate-level coursework and in-depth research. It enhances expertise in selected areas of legal scholarship and includes a supervised substantial paper in an area of interest.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term is devoted to the Research Project, usually taken in the summer of the first year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

#### **Research Project (15 credits)**

The non-thesis option requires a substantial supervised research project during the third term of registration, a 15,000-word paper, assessed by the supervisor on a pass-fail basis, and typically completed in the Summer.

ASPL 655	(15)	Research Project 1
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**Required Courses (12 credits)**

ASPL 633	(3)	Public International Air Law
ASPL 636	(3)	Private International Air Law
ASPL 637	(3)	Space Law: General Principles
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

**Complementary Courses (18 credits)**

3 credits from the following:

CMPL 610D1	(1.5)	Legal Research Methodology
CMPL 610D2	(1.5)	Legal Research Methodology
CMPL 641	(3)	Theoretical Approaches to Law

15 credits (or fewer if more credits are earned for the research project) at the 500 level or higher chosen from among Faculty ofba

CMPL 610	(3)	Legal Research Methodology
CMPL 641	(3)	Theoretical Approaches to Law
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

**Complementary Courses (3 credits)**

The remaining 3 credits (or fewer if more credits are earned for the Master's Thesis) are chosen from among Faculty offerings at the 500 and 600 levels.

**Additional Thesis Courses**

With the approval of the

The degree will be aw

### **8.11.1.16 Doctor of Civil Law (D.C.L.) Comparative Law**

The Institute of Comparative Law offers the D.C.L. program in Comparative Law, which allows the development of substantive and original contributions to legal research and knowledge under the supervision of a faculty member.

The degree will be awarded, at the earliest, after the completion of three years of residence in the Faculty. The core of the D.C.L. program is a substantial thesis of up to 400 pages that makes a significant contribution to legal scholarship, evidencing in concept and execution the original work of the candidate. The thesis must be submitted within 4 years of the completion of the residency requirement. Every candidate must successfully pass a comprehensive examination, after one year which may occur in the first year of the program, but no later than the end of the second year of the program.

#### **Comprehensive - Required**

Every candidate must successfully pass a comprehensive examination, usually after one year in the program.

CMPL 701	(0)	Comprehensive Examination-Comparative Law
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#### **Required Courses (5 Credits)**

CMPL 641	(3)	Theoretical Approaches to Law
LAWG 702	(2)	Legal Research Methodology for DCL
LAWG 703	(0)	Literature Review, Analysis and Proposal
LAWG 704	(0)	DCL Research Seminar 1
LAWG 705	(0)	DCL Research Seminar 2

#### **Complementary Course (0-3 Credits)**

Some students are encouraged to take the following:

LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

### **8.11.1.17 Graduate Certificate (Gr. Cert.) Air and Space Law (15 credits)**

The Graduate Certificate in Air and Space Law offered through the Institute of Air and Space Law is a coursework program, appropriate for students with a strong professional orientation.

The certificate is awarded after one term of residence in the Faculty and upon completion of 15 academic credits of graduate law courses. Students must take 9 credits of required Air and Space Law courses and the additional 6 credits may consist of any 500-level or higher law course or other courses offered through the Institute of Air and Space Law. Exceptionally, and with the permission of the Associate Dean, Graduate Studies, the 15 credits may be tak

## Complementary Courses

Courses at the 500 level or higher are chosen on an individual basis.

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# 9 Desautels Faculty of Management

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## 9.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 9,000 graduate students in over 400 programs. *GPS* is here to support you from admissions through to graduation and beyond. We take a holistic approach to graduate student success; we support not only your academic development, but also your career-planning and professional development, and your well-being and student life. I invite you to consult the website *Resources for Your Success*, which is a one-stop-shop for the many resources and support systems in place for you across the University.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Dean, Graduate and Postdoctoral Studies*

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## 9.2 Graduate and Postdoctoral Studies

### 9.2.1 Administrative Officers

#### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

**Dean (Graduate and Postdoctoral Studies)**

Robin Beech; B.Sc.(Nott.), Ph.D.(Edin.)

**Associate Dean (Graduate and Postdoctoral Studies)**

France Bouthillier; B.Ed., C.Admin.(UQAM), M.B.S.I.(Montr.), Ph.D.(Tor.)

**Associate Dean (Graduate and Postdoctoral Studies)**

Jean-Jacques Lebrun; B.Sc.(La Roche-sur-Yon), M.Sc.(Rennes), Ph.D.(Paris V)

**Associate Dean (Graduate and Postdoctoral Studies)**

Elisa Pylkkanen; B.A., M.A.(McG.)

**Director (Graduate and Postdoctoral Studies)**

### 9.2.2 Location

James Administration Building, Room 400

845 Sherbrooke Street West

Montreal QC H3A 0G4

Website: [www.mcgill.ca/gps](http://www.mcgill.ca/gps)



**Note:** For inquiries regarding specific graduate programs, please contact the appropriate department.

### 9.2.3 Graduate and Postdoctoral Studies' Mission

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic excellence for graduate and postdoctoral education at McGill. GPS provides leadership and strategic direction across the university, in close collaboration with the academic and administrative units and the graduate and postdoctoral community.

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### 9.3 Important Dates

For all dates relating to the academic year, consult [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

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### 9.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources > Graduate > section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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### 9.5 Program Requirements

Refer to [University Regulations & Resources > Graduate > Regulations > section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Ad Personam Programs (Thesis Option Only)
- Coursework for Graduate Programs, Diplomas, and Certificates

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### 9.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#) for information on:

- Application for Admission
- Admission Requirements
- Application Procedures
- Competency in English

and other important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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### 9.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources > Graduate >](#)

## 9.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students' Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures, and privileges.

### 1. Definition and Status

i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who is a member of McGill's academic staff qualified in the discipline in which training is being provided and with the abilities to fulfil responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

### 2. Registration

i. Postdocs must be registered annually with the University through Enrolment Services. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfil the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.

ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

### 3. Appointment, Pay, Agreement of Conditions

i. Appointments may not exceed your registration eligibility status.

ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equiv



x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

**5. Responsibilities**

i. Postdocs are subject to the responsibilities outlined at [www](#)

on leave. A summary table of various leav



## **M.D.,C.M./M.B.A.**

*section 9.12.14.4: Master of Business Administration and Doctor of Medicine & Master of Surgery (Joint M.B.A. & M.D.,C.M.) Management (Non-Thesis) & Medicine (51 credits)*

## **Master of Business Administration (M.B.A.)/Japan**

*section 9.12.15.5: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Finance (57 credits)*

*section 9.12.15.6: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): General Management (57 credits)*

*section 9.12.15.7: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Global Strategy and Leadership (57 credits)*

*section 9.12.15.8: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Marketing (57 credits)*

*section 9.12.15.9: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis):Technology and Innovation Management (57 credits)*

## **Executive Master of Business Administration (E.M.B.A.)**

*section 9.12.16.4: Executive Master of Business Administration (E.M.B.A.) Joint Executive M.B.A. (Non-Thesis) (45 credits)*

## **Master of Management (M.M.)**

*section 9.13.3: Master of Management (M.M.) Analytics (Non-Thesis) (45 credits)*

*section 9.13.4: Master of Management (M.M.) Finance (Non-Thesis) (45 credits)*

*section 9.13.5: Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)*

*section 9.13.6: Master of Management (M.M.) IMPM (Non-Thesis) (45 credits)*

*section 9.13.7: Master of Management (M.M.) IMPMHL (Non-Thesis) (45 credits)*

## **Ph.D.**

*section 9.14.4: Doctor of Philosophy (Ph.D.) Management*

## **Graduate Certificates**

*section 9.103.7: Graduate Certificate (Gr. Cert.) Post MBA (15 credits)*

*section 9.93.7: Master of Business*

*section 9.15.5: Graduate Certificate (Gr. Cert.) Post MBA Japan (15 credits)*

*section 9.16.5: Graduate Certificate (Gr. Cert.) Professional Accounting (24 credits)*

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## **9.12 M.B.A. Program**

### **About the Master of Business Administration (M.B.A.)**

Students studying on a full-time basis typically complete this 57-credit program in two years and must complete it within three years; part-time students typically complete this program in three years and must complete it within five years.

The first semester of the program features an integrated set of core courses with an emphasis on experiential learning.

### 9.12.1 Admission Requirements

Applicants with strong indications of managerial potential are desired. Given below are the minimum entrance criteria. Owing to the large number of applicants to the McGill M.B.A., merely meeting the minimum requirements will not guarantee acceptance.

1. An undergraduate degree from an accredited college or university.
2. A Graduate Management Admission Test (GMAT) is required for all applicants. The GMAT is administered by *Pearson Vue*. The GMAT program code for the McGill M.B.A. program is 58 H-MN-22. Only a GMAT written within the last five years will be considered valid. GMAT test results must be sent to McGill directly from Pearson Vue; photocopies will not be accepted.
3. Applicants who earned a bachelor's degree outside Canada, the United States, Australia, New Zealand, or the United Kingdom, are required to take the Test of English as a Foreign Language. The *TOEFL* may be waived for graduates of four-year university programs whose language of instruction is English if the university is located in a non-English speaking country. Applicants who are not Canadian citizens and whose mother tongue is not English may be asked to demonstrate an English language competency beyond the submission of the TOEFL score. A minimum score of 100 for the Internet-based test (iBT; 600 for the paper-based test (PBT)) with each component score not less than 20 is required.

Applicants may write the *IELTS* (International English Language Testing Systems) instead. A minimum overall band of 7.0 is required, with each component score not less than 7.0.

4. A minimum of two years of full-time work experience, following completion of an undergraduate degree.
5. Two professional letters of reference.
6. Interview.

#### M.B.A. Part-time Studies – Admission

The McGill M.B.A. program may also be completed on a part-time basis. This is meant to accommodate persons with full-time employment. Admission requirements are the same as in [section 9.12.1: Admission Requirements](#) above.



**Note:** Students studying on a part-time basis may transfer to full-time upon completion of the core curriculum. Students wishing to do this must meet with the M.B.A. Student Adviser to review their schedule; see “Combined Full-Time and Part-Time Studies” below.

MBA Admissions Office  
Desautels Faculty of Management  
McGill University  
1001 Sherbrooke Street West, Room 302  
Montreal QC H3A 1G5  
Canada  
Email: [mba.mgmt@mcgill.ca](mailto:mba.mgmt@mcgill.ca)  
Website: [www.mcgill.ca/desautels/programs/mba-programs](http://www.mcgill.ca/desautels/programs/mba-programs)

### 9.12.2 M.B.A. Application Procedures

The McGill M.B.A. full-time and part-time programs begin in August of each year.

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

#### 9.12.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- A completed Personal Background Sheet
- A completed Work History Form, as well as a Curriculum Vitae
- The GMAT score (written within the past five years) and the TOEFL score (where applicable) written within the past two years, forwarded directly from Pearson Vue for GMAT and the Educational Testing Service (see GMAT and TOEFL information in [section 9.12.1: Admission Requirements](#) above)
- A minimum of two years of full-time work experience, following completion of an undergraduate degree
- Interview

**Please note that entrance to the McGill M.B.A. is highly competitive. It is in the applicant's interest to apply as early as possible. Applicants can view their application status via [Minerva](#).**



**Note:** Admission to graduate programs at McGill is competitive and the final decision rests with the Graduate Admissions Committee. Admission decisions are not subject to appeal.

### **Application Fee Information**

The application fee must be paid by credit card at the time of application (online). **Please note that a file will not be opened until an online application is received.** Fee amounts and details are available on the [Student Accounts website](#).

### **9.12.3 Application Dates and Deadlines**

For application dates and deadlines, please consult [www.mcgill.ca/desautels/programs/mba-programs/mba/admissions](http://www.mcgill.ca/desautels/programs/mba-programs/mba/admissions).

Applications are reviewed on a rolling basis so that the earlier a file is complete, the sooner the applicant may expect to receive an answer. The undergraduate record, GMAT and TOEFL scores (where applicable), work experience, essays found in the Personal Background Sheet, letters of reference, and interviews are the criteria used in making admission decisions. Interviews are scheduled by invitation only.

### **9.12.4 Procedure for Accepting an Offer of Admission to the M.B.A. Program**

#### **Registration**

All accepted candidates will receive a package outlining registration procedures as well as deadline dates for fee payment.

Candidates who fail to register during the specified registration period may do so later, but will be charged a late registration fee by the University.

Please refer to [University Regulations & Resources](#) > Graduate > Regulations > [section 1.1.3: Registration](#) for more information.

#### **Base Camp**

Base Camp, for all ne

Students are permitted one failure in the M.B.A. program. Any subsequent failure, including an unsuccessful supplemental examination, will result in the student being asked to withdraw from the M.B.A. program.

#### Outside Elective Courses

An outside elective is any course that is not part of the M.B.A. program. This includes courses in other faculties within McGill University or outside McGill University.

Students wishing to take an elective offered in another department at McGill must first obtain approval from the Program Director. Once approval is obtained, students must obtain permission from the department offering the course before registering for the elective with their faculty.

There are limitations to the number of courses an M.B.A. student can take outside the Desautels Faculty of Management during the M.B.A. program:

1. Students completing a 57-credit program may take 15 credits maximum outside the Desautels Faculty of Management. This does not include courses offered by other faculties at McGill.
2. Students may not take courses outside the Faculty if they are offered within the Faculty unless there are exceptional circumstances.
3. Students may not take language courses for credit toward the M.B.A.

#### M.B.A. Part-Time Studies

Students will follow a lockstep program, which will allow for completion of the core courses during the first year of study. Students must then take a number of cross-disciplinary courses and an experiential component to complete the degree.

A limit of five years is permitted to complete the degree requirements.

#### Combined Full-Time and Part-Time Studies

There are two options by which students may combine full-time and part-time studies.

##### Option 1

Upon completion of the entire first year of core courses on a part-time basis, students may request a status change to full-time to complete the remaining requirements as full-time students.

##### Option 2

Upon completion of the core requirements on a full-time basis, students may request a status change to part-time to complete the degree requirements.

Students wishing to change their status to full-time must make a written request at least four weeks prior to the beginning of the relevant term. These requests should be sent to the M.B.A. Student Adviser.

### 9.12.6 M.B.A. International Exchange Program

Through the McGill M.B.A. Exchange Program there are exciting opportunities to study abroad.

Participation in the program gives McGill students the opportunity to spend part of their M.B.A. studying at a business school abroad. McGill is part of the *Partnership in International Management* (PIM), a consortium of the leading business schools in North America, South America, Africa, Europe, and Asia. Exchanges with both PIM and non-PIM schools are available.

The list of schools with exchange agreements with McGill is available at [www.mcgill.ca/desautels/programs/mba-programs/mba/academics/curriculum/experiential/exchange/partners](http://www.mcgill.ca/desautels/programs/mba-programs/mba/academics/curriculum/experiential/exchange/partners).

### 9.12.7 Master of Business Administration (M.B.A.) Management (Non-Thesis): Business Analytics (57 credits)

The Business Analytics concentration equips students with the ability to apply data analytic techniques and tools to make better managerial decisions and drive superior business performance. Students will gain the ability to transform data into a powerful strategic asset. Students completing this concentration will have training in various methods and tools for analytics, and gain a comprehensive understanding of the strategic use of analytics for businesses.

#### Required Courses (27 credits)

INSY 642	(3)	Techniques and Tools for Analytics
MGCR 629	(1)	Global Leadership
MGCR 650	(2)	Business Tools
MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGCR 653	(4)	Markets and Globalization
MGCR 660	(6)	International Study Trip
MGSC 640	(3)	Fundamentals of Decision Analytics

#### Complementary Courses (30 credits)

At least 6 credits selected from the following courses toward the concentration:

INSY 652	(3)	Predictive Analytics
INSY 653	(3)	Analytics for Digital Business Models
MGSC 650	(3)	Operations and Risk Analytics
MGSC 656	(3)	Analytics Consulting

At most 3 credits selected from the following courses toward the concentration:

BUSA 690	(3)	Advanced Topics in Management 1
FINE 646	(3)	Investments and Portfolio Management
MRKT 658	(3)	Marketing Intelligence
MRKT 690	(3)	Advanced Topics in Marketing 1

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:\*

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

\* Note: Students electing to participate in an International Exchange (12 credits of complementary courses) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 57-credit requirement.

### 9.12.8 Master of Business Administration (M.B.A.) Management (Non-Thesis): Finance (57 credits)

The Finance concentration focuses on how firms raise capital and on the optimal allocation of capital for investments. This concentration prepares students for careers in corporate treasury functions, asset management, and investment banking.

#### Required Courses (27 credits)

FINE 622	(3)	Modern Corporate Finance
FINE 646	(3)	Investments and Portfolio Management
(1)4 0 1 70.52 11 Global Leadership 70.52 11		



FINE 648	(3)	Applied Corporate Finance
FINE 660	(3)	Global Investment Management
FINE 665	(3)	Investment Strategies and Behavioural Finance
FINE 690	(3)	Advanced Topics in Finance 1
FINE 693	(3)	Global Capital Markets
FINE 694	(3)	International Corporate Finance

At most, 3 credits selected from the following courses toward the concentration:

ACCT 618	(3)	Financial Reporting: Structure & Analysis
BUSA 692	(3)	Advanced Topics in Management 3
INSY 690	(3)	Advanced Topics in Management Information Systems 1

15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:\*

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

\* Note: Students electing to participate in an International Exchange (12 credits of complementary courses) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 57-credit requirement.

### **9.12.9 Master of Business Administration (M.B.A.) Management (Non-Thesis): General Management (57 credits)**

#### **Required Core Courses (21 credits)**

All M.B.A. students must complete the following core courses:

Global Leal4 1 135.431 4144nt (57 credits)

**9.12.10 Master of Business Administration (M.B.A.) Management (Non-Thesis): Global Strategy and Leadership (57 credits)**

Drawing on a variety of cross-disciplinary courses—including strategy, organizational behaviour, entrepreneurship, and international business—this concentration provides students with an integrated perspective on leading and shaping strategy to address today’s global business issues. Students develop the skills valued by employers in consulting, strategic planning, business development, project management, and related fields. Among the issues covered are how to take a firm international; how to lead and manage talent; how to manage a multicultural workforce; how to launch a new venture; how to negotiate effectively; and how to promote sustainable development.

**Required Courses (21 credits)**

All M.B.A. students must complete the following core courses:

MGCR 629	(1)	Global Leadership
MGCR 650	(2)	Business Tools
MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGCR 653	(4)	Markets and Globalization
MGCR 660	(6)	International Study Trip

**Complementary Courses (36 credits)**

3 credits selected from the following:

MGPO 630	(3)	Managing Strategy and Innovation
MGPO 683	(3)	International Business Policy

3 credits selected from the following:

ORGB 680	(3)	Talent Management in a Global World
ORGB 685	(3)	Cross Cultural Management

At least 6 credits selected from the following courses toward the concentration:

BUSA 614	(3)	Governance of Corporation: Contemporary Issues
BUSA 640	(3)	Launching New Ventures
BUSA 660	(3)	CEO Insights
BUSA 690	(3)	Advanced Topics in Management 1
INDR 633	(3)	Creating Wealth and Prosperity
MGPO 615	(3)	Consulting for Change
MGPO 630	(3)	Managing Strategy and Innovation
MGPO 637	(3)	Cases in Competitive Strategy
MGPO 638	(3)	Managing Organizational Politics
MGPO 640	(3)	Strategies for Sustainable Development
MGPO 645	(3)	Strategy in Context
MGPO 651	(3)	Strategic Management: Developing Countries
MGPO 669	(3)	Managing Globalization
MGPO 683	(3)	International Business Policy
ORGB 633	(3)	Managerial Negotiations
ORGB 640	(3)	The Art of Leadership
ORGB 680	(3)	Talent Management in a Global World

ORGB 685 (3) Cross Cultural Management

At most 3 credits selected from the following courses toward the concentration:

ACCT 618 (3) Financial Reporting: Structure & Analysis

MGSC 602 (3) Strategic Management of Operations

MRKT 652 (3) Competitive Marketing Strategy

15 credits chosen from 500-level courses and higher offered by the Faculty.

6 credits from the following:\*

BUSA 650 (6) Internship

BUSA 651 (6) Practicum

\* Note: Students electing to participate in an International Exchange are exempt from BUSA 650 and BUSA 651. Instead, 6 additional credits of complementary courses, at the 500 level or higher, are required to complete the 57-credit requirement.

#### **9.12.11 Master of Business Administration (M.B.A.) Management (Non-Thesis): Marketing (57 credits)**

The Marketing concentration focuses on the development of skills in understanding customers and markets, creating value through products and services, evaluating the effectiveness of marketing programs, and managing customer relationships.

##### **Required Courses (24 credits)**

MGCR 629 (1) Global Leadership

At most 3 credits selected from the following courses toward the concentration:

INSY 645	(3)	Managing Electronic Commerce
INSY 690	(3)	Advanced Topics in Management Information Systems I
ORGB 633	(3)	Managerial Negotiations

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:\*

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

\* Note: Students electing to participate in an International Exchange (12 credits of complementary courses) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 57-credit requirement.

**9.12.12 Master of Business Administration (M.B.A.) Management (Non-Thesis): Technology and Innovation Management (57 credits)**

\*\* This program is currently not offered. \*\*

As technology reshapes the globe and innovations transform markets and organizations, the 21st century manager will be deeply immersed in technology

MGSC 605	(3)	Total Quality Management
MGSC 615	(3)	Procurement and Distribution
MGSC 631	(3)	Analysis: Production Operations

At most 3 credits selected from the following courses toward the concentration:

ACCT 618	(3)	Financial Reporting: Structure & Analysis
BUSA 691	(3)	Advanced Topics in Management 2
MGPO 650	(3)	Managing Innovation
ORGB 625	(3)	Managing Organizational Change

15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:\*

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

\* Note: Students electing to participate in an International Exchange (1 semester) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 57-credit requirement.

### 9.12.13 Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) and Bachelor of Laws (LL.B.) Admission Requirements

#### About the Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) and Bachelor of Laws (LL.B.)

The Joint Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) and Bachelor of Laws (LL.B.) is a joint program between the Desautels Faculty of Management and the Faculty of Law. This joint program provides students the opportunity to pursue leg

### **9.12.13.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

### **9.12.13.3 Application Dates and Deadlines**

For application dates and deadlines, please consult the following website: [www](#)

Note: Students will have to follow the M.B.A. Base Camp (Statistics, Math for Finance, Financial Accounting) prior to commencement of the M.B.A.

**Required - Law (59 credits)**

LAWG 100D1	(3)	Contractual Obligations
LAWG 100D2	(3)	Contractual Obligations
LAWG 101D1	(3)	Extra-Contractual Obligations/Torts
LAWG 101D2	(3)	Extra-Contractual Obligations/Torts
PRAC 147D1	(1.5)	Introductory Legal Research
slo	(1.5)	Introductory Legal Research

**Complementary - Law, Civil and Common Law**

The following trans-systemic courses count half their credit weight toward the civil law requirement of 3 credits and half their credit weight toward the common law requirement of 3 credits.

CMPL 522	(3)	Medical Liability
LAWG 200	(3)	Commercial Law
LAWG 273	(3)	Family Law
LAWG 300	(3)	Family Property Law
LAWG 316	(3)	Private International Law
LAWG 400	(4)	Secured Transactions
LAWG 415	(3)	Evidence (Civil Matters)
LAWG 504	(3)	Death and Property
LEEL 570	(3)	Employment Law
PRV5 483	(3)	Consumer Law

**Complementary - Law, Social Diversity and Human Rights (3 credits)**

Students must take at least 3 credits from the following courses related to social diversity and human rights.



LEEL 570	(3)	Employment Law
LEEL 582	(3)	Law and Poverty
PRV4 545	(3)	Land Use Planning
PRV5 483	(3)	Consumer Law
PUB2 400	(3)	The Administrative Process Judicial Review

LAWG 100D2	(3)	Contractual Obligations
LAWG 101D1	(3)	Extra-Contractual Obligations/Torts
LAWG 101D2	(3)	Extra-Contractual Obligations/Torts
PRAC 147D1	(1.5)	Introductory Legal Research
PRAC 147D2	(1.5)	Introductory Legal Research
PRAC 155D1	(1.5)	Legal Ethics and Advocacy
PRAC 155D2	(1.5)	Legal Ethics and Advocacy
PROC 124D1	(2)	Judicial Institutions and Civil Procedure
PROC 124D2	(2)	Judicial Institutions and Civil Procedure
PROC 200	(3)	Advanced Civil Law Obligations
PRV1 144D1	(2.5)	Civil Law Property
PRV1 144D2	(2.5)	Civil Law Property
PRV3 200	(3)	Advanced Common Law Obligations
PRV4 144D1	(2)	Common Law Property
PRV4 144D2	(2)	Common Law Property
PUB2 101D1	(3)	Constitutional Law
PUB2 101D2	(3)	Constitutional Law
PUB2 111	(3)	Criminal Law
PUB3 116D1	(2)	Foundations
PUB3 116D2	(2)	Foundations
WRIT 400D1	(3)	Senior Essay
WRIT 400D2	(3)	Senior Essay

**Complementary - Law**

Students complete 9-15 credits of complementary courses toward the B.C.L. and LL.B. degrees.

**Complementary - Law, Civil Law (3 credits)**

Students complete 3 credits of Civil Law courses. The following courses count for their full credit weight as civil law.

BUS2 561	(3)	Insurance
PROC 549	(3)	Lease, Enterprise, Suretyship
PRV2 270	(3)	Law of Persons
PRV4 548	(3)	Administration Property of Another and Trusts

**Complementary - Law, Common Law (3 credits)**

Students complete 3 credits of Common Law courses. The following courses count for their full credit weight as common law.

PRV3 534	(3)	Remedies
PRV4 451	(3)	Real Estate Transactions
PRV4 549	(3)	Equity and Trusts
PRV5 582	(2)	Advanced Torts

**Complementary - Law, Civil and Common Law**

The following trans-systemic courses count half their credit weight toward the civil law requirement of 3 credits and half their credit weight toward the common law requirement of 3 credits.

CMPL 522	(3)	Medical Liability
LAWG 200	(3)	Commercial Law
LAWG 273	(3)	Family Law
LAWG 300	(3)	Family Property Law
LAWG 316	(3)	Private International Law
LAWG 400	(4)	Secured Transactions
LAWG 415	(3)	Evidence (Civil Matters)
LAWG 504	(3)	Death and Property
LEEL 570	(3)	Employment Law
PRV5 483	(3)	Consumer Law

### **Complementary - Law, Social Diversity and Human Rights (3 credits)**

Students must take at least 3 credits from the following courses related to social diversity and human rights.

CMPL 500	(3)	Aboriginal Peoples and the Law
CMPL 504	(3)	Feminist Legal Theory
CMPL 511	(3)	Social Diversity and Law
CMPL 516	(3)	International Development Law
CMPL 565	(3)	International Humanitarian Law
CMPL 571	(3)	International Law of Human Rights
CMPL 573	(3)	Civil Liberties
CMPL 575	(3)	Discrimination and the Law
LAWG 503	(3)	Inter-American Human Rights
LEEL 369	(3)	Labour Law
LEEL 582	(3)	Law and Poverty
PUB2 105	(3)	Public International Law
PUB2 500	(3)	Law and Psychiatry
PUB2 502	(3)	International Criminal Law
PUB2 551	(3)	Immigration and Refugee Law
PUB3 515	(3)	Canadian Charter of Rights and Freedoms

### **Complementary - Law, Principles of Canadian Administrative Law**

Requirement: Students must choose one course (0-6 credits) from the following courses to meet this requirement:

BUS2 504	(3)	Securities Regulation
CMPL 543	(3)	Law and Practice of International Trade
CMPL 574	(3)	Government Control Of Business
CMPL 575	(3)	Discrimination and the Law
CMPL 577	(3)	Communications Law
CMPL 580	(3)	Environment and the Law
LEEL 369	(3)	Labour Law
LEEL 570	(3)	Employment Law
LEEL 582	(3)	Law and Poverty

PRV5 483	(3)	Consumer Law
PUB2 400	(3)	The Administrative Process
PUB2 401	(3)	Judicial Review of Administrative Action
PUB2 403	(2)	Municipal Law
PUB2 500	(3)	Law and Psychiatry
PUB2 551	(3)	Immigration and Refugee Law
WRIT 433D1*	(3)	Legal Clinic 1
WRIT 433D2*	(3)	Legal Clinic 1
WRIT 434*	(3)	Legal Clinic 2
WRIT 435*	(3)	Legal Clinic 3
WRIT 440*	(6)	Student Clerkship A
WRIT 440D1*	(3)	Student Clerkship A
WRIT 440D2*	(3)	Student Clerkship A
WRIT 441*	(3)	Student Clerkship B

\* With the approval of the Associate Dean Academic, in consultation with the Faculty Supervisors, on a case-by-case basis.

#### **Elective - Law, Other Courses**

Students select the remaining 19-25 credits from among Faculty of Law offerings.

#### **9.12.13.6 Master of Business Administration and Bachelor of Civil Law/Bachelor of Laws (Joint M.B.A. & B.C.L./LL.B.) Management (Non-Thesis): Global Strategy and Leadership & Law (144 credits)**

Students complete 51 credits for the M.B.A. degree, and 93 credits for the integrated B.C.L. and LL.B. degrees, for a total of 144 credits.

#### **Required Courses - MBA (24 credits)**

BUSA 614	(3)	Governance of Corporation: Contemporary Issues
MGCR 629	(1)	Global Leadership
MGCR 650	(2)	Business Tools
MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGCR 653	(4)	Markets and Globalization
MGCR 660	(6)	International Study Trip

#### **Complementary Courses - MBA (27 credits)**

3 credits selected from the following:

MGPO 630	(3)	Managing Strategy and Innovation
MGPO 683	(3)	International Business Policy

3 credits selected from the following:

ORGB 680	(3)	Talent Management in a Global World
ORGB 685	(3)	Cross Cultural Management

9 credits selected from the following courses toward the concentration:

BUSA 640	(3)	Launching New Ventures
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BUSA 660	(3)	CEO Insights
BUSA 690	(3)	Advanced Topics in Management 1
INDR 633	(3)	Creating Wealth and Prosperity
MGPO 615	(3)	Consulting for Change
MGPO 630	(3)	Managing Strategy and Innovation
MGPO 637	(3)	Cases in Competitive Strategy
MGPO 638	(3)	Managing Organizational Politics
MGPO 640	(3)	Strategies for Sustainable Development
MGPO 645	(3)	Strategy in Context
MGPO 651	(3)	Strategic Management: Developing Countries
MGPO 669	(3)	Managing Globalization
MGPO 683	(3)	International Business Policy
ORGB 633	(3)	Managerial Negotiations
ORGB 640	(3)	The Art of Leadership
ORGB 680	(3)	Talent Management in a Global World
ORGB 685	(3)	Cross Cultural Management

The remaining 12 credits of courses are chosen from the 500-level and higher offered by the Desautels Faculty of Management to complete a total of 51 credits.

Note: Students will have to follow the M.B.A. Base Camp (Statistics, Math for Finance, Financial Accounting) prior to commencement of the M.B.A.

#### Required - Law (59 credits)

LAWG 100D1	(3)	Contractual Obligations
LAWG 100D2	(3)	Contractual Obligations
LAWG 101D1	(3)	Extra-Contractual Obligations/Torts
LAWG 101D2	(3)	Extra-Contractual Obligations/Torts
PRAC 147D1	(1.5)	Introductory Legal Research
PRAC 147D2	(1.5)	Introductory Legal Research
PRAC 155D1	(1.5)	Legal Ethics and Advocacy
PRAC 155D2	(1.5)	Legal Ethics and Advocacy
PROC 124D1	(2)	Judicial Institutions and Civil Procedure
PROC 124D2	(2)	Judicial Institutions and Civil Procedure
PROC 200	(3)	Advanced Civil Law Obligations
PRV1 144D1	(2.5)	Civil Law Property
PRV1 144D2	(2.5)	Civil Law Property
PRV3 200	(3)	Advanced Common Law Obligations
PRV4 144D1	(2)	Common Law Property
PRV4 144D2	(2)	Common Law Property
PUB2 101D1	(3)	Constitutional Law
PUB2 101D2	(3)	Constitutional Law
PUB2 111	(3)	Criminal Law
PUB3 116D1	(2)	Foundations

PUB3 116D2	(2)	Foundations
WRIT 400D1	(3)	Senior Essay
WRIT 400D2	(3)	Senior Essay

**Complementary - Law**

Students complete 9-15 credits of complementary courses toward the B.C.L. and LL.B. degrees.

**Complementary - Law, Civil Law (3 credits)**

Students complete 3 credits of Civil Law courses. The following courses count for their full credit weight as civil law.

BUS2 561	(3)	Insurance
PROC 549	(3)	Lease, Enterprise, Suretyship
PRV2 270	(3)	Law of Persons
PRV4 548	(3)	Administration Property of Another and Trusts

**Complementary - Law, Common Law (3 credits)**

Students complete 3 credits of Common Law courses. The following courses count for their full credit weight as common law.

PRV3 534	(3)	Remedies
PRV4 451	(3)	Real Estate Transactions
PRV4 549	(3)	Equity and Trusts
PRV5 582	(2)	Advanced Torts

**Complementary - Law, Civil and Common Law**

The following trans-systemic courses count half their credit weight toward the civil law requirement of 3 credits and half their credit weight toward the common law requirement of 3 credits.

CMPL 522	(3)	Medical Liability
LAWG 200	(3)	Commercial Law
LAWG 273	(3)	Family Law
LAWG 300	(3)	Family Property Law
LAWG 316	(3)	Private International Law
LAWG 400	(4)	Secured Transactions
LAWG 415	(3)	Evidence (Civil Matters)
LAWG 504	(3)	Death and Property
LEEL 570	(3)	Employment Law
PRV5 483	(3)	Consumer Law

**Complementary - Law, Social Diversity and Human Rights (3 credits)**

Students must take at least 3 credits from the following courses related to social diversity and human rights.

CMPL 500	(3)	Aboriginal Peoples and the Law
CMPL 504	(3)	Feminist Legal Theory
CMPL 511	(3)	Social Diversity and Law
CMPL 516	(3)	International Development Law
CMPL 565	(3)	International Humanitarian Law
CMPL 571	(3)	International Law of Human Rights

CMPL 573	(3)	Civil Liberties
CMPL 575	(3)	Discrimination and the Law
LAWG 503	(3)	Inter-American Human Rights
LEEL 369	(3)	Labour Law
LEEL 582	(3)	Law and Poverty
PUB2 105	(3)	Public International Law
PUB2 500	(3)	Law and Psychiatry
PUB2 502	(3)	International Criminal Law
PUB2 551	(3)	Immigration and Refugee Law
PUB3 515	(3)	Canadian Charter of Rights and Freedoms

### **Complementary - Law, Principles of Canadian Administrative Law**

Requirement: Students must choose one course (0-6 credits) from the following courses to meet this requirement:

BUS1 532	(3)	Bankruptcy and Insolvency
BUS2 504	(3)	Securities Regulation
CMPL 543	(3)	Law and Practice of International Trade
CMPL 574	(3)	Government Control Of Business
CMPL 575	(3)	Discrimination and the Law
CMPL 577	(3)	Communications Law
CMPL 580	(3)	Environment and the Law
LEEL 369	(3)	Labour Law
LEEL 570	(3)	Employment Law
LEEL 582	(3)	Law and Poverty
PRV4 545	(3)	Land Use Planning
PRV5 483	(3)	Consumer Law
PUB2 400	(3)	The Administrative Process
PUB2 401	(3)	Judicial Review of Administrative Action
PUB2 403	(2)	Municipal Law
PUB2 500	(3)	Law and Psychiatry
PUB2 551	(3)	Immigration and Refugee Law
WRIT 433D1*	(3)	Legal Clinic 1
WRIT 433D2*	(3)	Legal Clinic 1
WRIT 434*	(3)	Legal Clinic 2
WRIT 435*	(3)	Legal Clinic 3
WRIT 440*	(6)	Student Clerkship A
WRIT 440D1*	(3)	Student Clerkship A
D1*	(3)	Student Clerkship A

**9.12.13.7 Master of Business Administration and Bachelor of Civil Law/Bachelor of Laws (Joint M.B.A. & B.C.L./LL.B.) Management (Non-Thesis): Marketing & Law (144 credits)**

Students complete 51 credits for the M.B.A. degree, and 93 credits for the integrated B.C.L. and LL.B. degrees, for a total of 144 credits.

**Required Courses (24 credits)**

BUSA 614	(3)	Governance of Corporation: Contemporary Issues
MGCR 629	(1)	Global Leadership
MGCR 650	(2)	Business Tools
MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGCR 653	(4)	Markets and Globalization
MGCR 660	(6)	International Study Trip

**Required Concentration Courses (6 credits)**

Students choosing the Marketing concentration must complete these required courses:

MRKT 657	(3)	Customer Insights
MRKT 658	(3)	Marketing Intelligence

**Complementary Courses (9 credits)**

Students choosing the Marketing concentration must choose three of the following courses:

INSY 645	(3)	Managing Electronic Commerce
MRKT 645	(3)	Winning at Brands
MRKT 652	(3)	Competitive Marketing Strategy
MRKT 654	(3)	Marketing Communications
MRKT 655	(3)	Marketing Planning
MRKT 659	(3)	Advanced Business Marketing
MRKT 690	(3)	Advanced Topics in Marketing 1
MRKT 698	(3)	International Marketing Management

12 additional credits at the 500 or 600 level offered by the Desautels Faculty of Management to complete a total of 51 credits.

Note: Students will have to follow the M.B.A. Base Camp (Statistics, Math for Finance, Financial Accounting) prior to commencement of the M.B.A.

**Required - Law (59 credits)**

LAWG 100D1	(3)	Contractual Obligations
LAWG 100D2	(3)	Contractual Obligations
LAWG 101D1	(3)	Extra-Contractual Obligations/Torts
LAWG 101D2	(3)	Extra-Contractual Obligations/Torts
PRAC 147D1	(1.5)	Introductory Legal Research
PRAC 147D2	(1.5)	Introductory Legal Research
PRAC 155D1	(1.5)	Legal Ethics and Advocacy
PRAC 155D2	(1.5)	Legal Ethics and Advocacy
PROC 124D1	(2)	Judicial Institutions and Civil Procedure



PROC 124D2	(2)	Judicial Institutions and Civil Procedure
PROC 200	(3)	Advanced Civil Law Obligations
PRV1 144D1	(2.5)	Civil Law Property
PRV1 144D2	(2.5)	Civil Law Property
PRV3 200	(3)	Advanced Common Law Obligations
PRV4 144D1	(2)	Common Law Property
PRV4 144D2	(2)	Common Law Property
PUB2 101D1	(3)	Constitutional Law
PUB2 101D2	(3)	Constitutional Law
PUB2 111	(3)	Criminal Law
PUB3 116D1	(2)	Foundations
PUB3 116D2	(2)	Foundations
WRIT 400D1	(3)	Senior Essay
WRIT 400D2	(3)	Senior Essay

### Complementary - Law

Students complete 9-15 credits of complementary courses toward the B.C.L. and LL.B. degrees.

### Complementary - Law, Civil Law (3 credits)

Students complete 3 credits of Civil Law courses. The following courses count for their full credit weight as civil law.

BUS2 561	(3)	Insurance
PROC 549	(3)	Lease, Enterprise, Suretyship
PRV2 270	(3)	Law of Persons
PRV4 548	(3)	Administration Property of Another and Trusts

### Complementary - Law, Common Law (3 credits)

Students complete 3 credits of Common Law courses. The following courses count for their full credit weight as common law.

PRV3 534	(3)	Remedies
PRV4 451	(3)	Real Estate Transactions
PRV4 549	(3)	Equity and Trusts
PRV5 582	(2)	Advanced Torts

### Complementary - Law, Civil and Common Law

The following trans-systemic courses count half their credit weight toward the civil law requirement of 3 credits and half their credit weight toward the common law requirement of 3 credits.

CMPL 522	(3)	Medical Liability
CMPL 573	(3)	Civil Liberties
LAWG 200	(3)	Commercial Law
LAWG 273	(3)	Family Law
LAWG 300	(3)	Family Property Law
LAWG 316	(3)	Private International Law
LAWG 400	(4)	Secured Transactions
LAWG 415	(3)	Evidence (Civil Matters)

LEEL 369	(3)	Labour Law
PRV5 483	(3)	Consumer Law

**Complementary - Law, Social Diversity and Human Rights (3 credits)**

Students must take at least 3 credits from the following courses related to social diversity and human rights.

CMPL 500	(3)	Aboriginal Peoples and the Law
CMPL 504	(3)	Feminist Legal Theory
CMPL 511	(3)	Social Diversity and Law

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WRIT 435*	(3)	Legal Clinic 3
WRIT 440*	(6)	Student Clerkship A
WRIT 440D1*	(3)	Student Clerkship A
WRIT 440D2*	(3)	Student Clerkship A
WRIT 441*	(3)	Student Clerkship B

\* With the approval of the Associate Dean Academic, in consultation with the F

## Elective Courses

12 additional credits at the 500 or 600 level offered by the Desautels Faculty of Management to complete a total of 51 credits.

Note: Students will have to follow the M.B.A. Base Camp (Statistics, Math for Finance, Financial Accounting) prior to commencement of the M.B.A.

### Required - Law (59 credits)

BUS2 365	(4)	Business Associations
LAWG 100D1	(3)	Contractual Obligations
LAWG 100D2	(3)	Contractual Obligations
LAWG 101D1	(3)	Extra-Contractual Obligations/Torts
LAWG 101D2	(3)	Extra-Contractual Obligations/Torts
PRAC 147D1	(1.5)	Introductory Legal Research
PRAC 147D2	(1.5)	Introductory Legal Research
PRAC 155D1	(1.5)	Legal Ethics and Advocacy
PRAC 155D2	(1.5)	Legal Ethics and Advocacy
PROC 124D1	(2)	Judicial Institutions and Civil Procedure
PROC 124D2	(2)	Judicial Institutions and Civil Procedure
PROC 200	(3)	Advanced Civil Law Obligations
PRV1 144D1	(2.5)	Civil Law Property
PRV1 144D2	(2.5)	Civil Law Property
PRV3 200	(3)	Advanced Common Law Obligations
PRV4 144D1	(2)	Common Law Property
PRV4 144D2	(2)	Common Law Property
PUB2 101D1	(3)	Constitutional Law
PUB2 101D2	(3)	Constitutional Law
PUB2 111	(3)	Criminal Law
PUB3 116D1	(2)	Foundations
PUB3 116D2	(2)	Foundations
WRIT 400D1	(3)	Senior Essay
WRIT 400D2	(3)	Senior Essay

### Complementary - Law

Students complete 9-15 credits of complementary courses toward the B.C.L. and LL.B. degrees.

#### Complementary - Law, Civil Law (3 credits)

Students complete 3 credits of Civil Law courses. The following courses count for their full credit weight as civil law.

BUS2 561	(3)	Insurance
LAWG 504	(3)	Death and Property
PROC 549	(3)	Lease, Enterprise, Suretyship
PRV2 270	(3)	Law of Persons
PRV4 548	(3)	Administration Property of Another and Trusts

#### Complementary - Law, Common Law (3 credits)

Students complete 3 credits of Common Law courses. The following courses count for their full credit weight as common law.

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PRV3 534	(3)	Remedies
PRV4 451	(3)	Real Estate Transactions
PRV4 549	(3)	Equity and Trusts
PRV5 582	(2)	Advanced Torts

**Complementary - Law, Civil and Common Law**

The following trans-systemic courses count half their credit weight toward

CMPL 577	(3)	Communications Law
CMPL 580	(3)	Environment and the Law
LEEL 369	(3)	Labour Law
	(3)	Employment Law

Website: [www.mcgill.ca/medadmissions/programs/mdcm-mba](http://www.mcgill.ca/medadmissions/programs/mdcm-mba)

#### **9.12.14.1 Admission Requirements**

Admission requirements for the M.B.A. program can be found in [section 9.12: M.B.A. Program](#).

For the Faculty of Medicine admission requirements, please visit [www.mcgill.ca/medadmissions/programs/mdcm-mba](http://www.mcgill.ca/medadmissions/programs/mdcm-mba).

**Appemdcm-mba**

**Master of Business Administration (M.B.A.); M.B.A./Japan (Non-Thesis) (57 credits)**

*section 9.12.15.6: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): General Management (57 credits)*

*section 9.12.10: Master of Business Administration (M.B.A.) Management (Non-Thesis): Global Strategy and Leadership (57 credits)*

*section 9.12.15.8: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Marketing (57 credits)*

*section 9.12.15.9: Master of Business Administration (M.B.A.)/Japan Managgggg: Master of 0 1 rg0 0 3 8.1 /F0 8 70.52 709.8112 60 0628 Tm3str*



FINE 620	(3)	Corporate Mergers
FINE 630	(3)	Fixed Income Markets
FINE 635	(3)	Financial Risk Management
FINE 639	(3)	Derivatives and Risk Management
		None

**9.12.15.7 Master of Business Administration (M.B.A./Japan Management (Non-Thesis): Global Strategy and Leadership (57 credits)**

\*\*This program is currently not offered.\*\*

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of experience, the McGill MBA Japan program allows you to complete a Master of Business Administration program on weekends, without leaving employment.

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

The Global Strategy and Leadership Concentration prepares students for the challenges posed by a globalizing marketplace. The approach is cross-disciplinary and includes courses in strategy, organizational behaviour, and international business. Students will consider questions such as: What issues will the leaders of tomorrow face and how can they best tackle them? How to take a firm international? How to manage a multi-cultural workforce? How to launch a new venture? How to promote sustainable development? Students will develop skills valued by employers in consulting, business development, project management, and related fields.

**Required Core Courses (21 credits)**

All M.B.A. students must complete the following core courses:

MGCR 629	(1)	Global Leadership
MGCR 650	(2)	Business Tools
MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGCR 653	(4)	Markets and Globalization
MGCR 660	(6)	International Study Trip

**Required Concentration Courses (6 credits)**

6 credits from the following:

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

### 9.12.15.8 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Marketing (57 credits)

\*\*This program is currently not offered.\*\*

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of experience, the McGill MBA Japan program allows you to complete a Master of Business Administration program on weekends, without leaving employment.

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

The Marketing Concentration focuses on the development of skills in understanding customers and markets, creating value through products and services, evaluating the effectiveness of marketing programs, and managing customer relationships.

#### Required Core Courses (21 credits)

All M.B.A. students must complete the following core courses:

MGCR 629	(1)	Global Leadership
MGCR 650	(2)	Business Tools
MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGCR 653	(4)	Markets and Globalization
MGCR 660	(6)	International Study Trip

#### Required Concentration Courses (6 credits)

Students choosing the Marketing concentration must complete these required courses:

MRKT 657	(3)	Customer Insights
MRKT 658	(3)	Marketing Intelligence

#### Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

INSY 645	(3)	Managing Electronic Commerce
MRKT 645	(3)	Winning at Brands
MRKT 652	(3)	Competitive Marketing Strategy
MRKT 654	(3)	Marketing Communications
MRKT 655	(3)	Marketing Planning
MRKT 659	(3)	Advanced Business Marketing
MRKT 690	(3)	Advanced Topics in Marketing 1
MRKT 698	(3)	International Marketing Management

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

BUSA 650	(6)	Internship
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BUSA 651 (6) Practicum

**9.12.15.9 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis):Technology and Innovation Management (57 credits)**

\*\*This program is currently not offered.\*\*

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of experience, the McGill MBA Japan program allows you to complete a Master of Business Administration program on weekends, without leaving employment.

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

As technology reshapes the globe and innovations transform markets and organizations, the 21st century manager will be deeply immersed in technology and innovation management. As information technology is now present in more products and processes, managers need to understand the processes surrounding its strategic use and development. As manufacturing and service operations now stretch the globe, issues of logistics and supply chain integration become more important. As innovative products increasingly create and transform markets, managers must master the technology development process. This concentration provides tools, frameworks, and integration of all aspects of organizational operations, supply chain, IT processes and innovation management. Students following this concentration will be uniquely qualified to take jobs in new product development, IT strategy, operations and supply chain management, and technology consulting. A unique aspect of the concentration is the capstone project course where students work on solving a real-life technology innovation problem.

**Required Core Courses (21 credits)**

All M.B.A. students must complete the following core courses:

MGCR 629	(1)	Global Leadership
MGCR 650	(2)	Business Tools
MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGCR 653	(4)	Markets and Globalization
MGCR 660	(6)	International Study Trip

**Required Concentration Courses (6 credits)**

Students choosing the Technology and Innovation Management concentration must complete these required courses:

INSY 606	(3)	Technology Management
MGSC 616	(3)	Technology in Action

**Complementary Courses (30 credits)**

9 credits selected from the following courses toward the concentration:

INSY 607	(3)	Technology Consulting
INSY 608	(3)	Winning with IT
INSY 609	(3)	Technology Project Management
INSY 633	(3)	Knowledge Management and Technology for Innovation
INSY 645	(3)	Managing Electronic Commerce
MGPO 650	(3)	Managing Innovation
MGSC 602	(3)	Strategic Management of Operations
MGSC 603	(3)	Logistics Management
MGSC 605	(3)	Total Quality Management
MGSC 615	(3)	Procurement and Distribution
MGSC 631	(3)	Analysis: Production Operations
ORGB 625	(3)	Managing Organizational Change

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

## 9.12.16 Joint Executive M.B.A. Admission Requirements and Application Procedures

### About the Joint Executive M.B.A.

#### *section 9.12.16.4: Executive Master of Business Administration (E.M.B.A.) Joint Executive M.B.A. (Non-Thesis) (45 credits)*

The E.M.B.A. program is designed both to teach new managerial tools as well as to allow managers to take a step back from the tools and understand their strengths and limitations. It also aims at presenting different models of management and is designed to meet the training needs of managers who currently hold, or who will hold in the future, senior management positions.

It is offered jointly with *Hautes Études Commerciales* (HEC) – Montreal.

### 9.12.16.1 Admission Requirements

For the admission criteria, please consult the following website: [www.embamcgillhec.ca/en/application/admission-criteria](http://www.embamcgillhec.ca/en/application/admission-criteria).

### 9.12.16.2 Application Procedures

For the application procedures, please consult the following website: [www.embamcgillhec.ca/en/application](http://www.embamcgillhec.ca/en/application).

### Application Dates and Deadlines

### ***section 9.13.3: Master of Management (M.M.) Analytics (Non-Thesis) (45 credits)***

The M.M. Analytics is designed to teach the fundamentals of data and decision analytics, team management, and leadership. Students are exposed to a variety of management analytics application topics including marketing, retailing, supply chain, healthcare, security, pricing, talent, and network analytics. An experiential component consists of a capstone management analytics project and a study trip, both designed to provide students with the experience of hands-on application of the concepts taught in real-world settings and the opportunity to interact with practitioners in leading analytics organizations.

### ***section 9.13.4: Master of Management (M.M.) Finance (Non-Thesis) (45 credits)***

For more information, visit our website at [www.mcgill.ca/desautels/programs/mmf](http://www.mcgill.ca/desautels/programs/mmf).

### ***section 9.13.5: Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)***

The Master of Manufacturing Management (M.M.M.) program is currently not offered at McGill University.

Alternatively, a Master in Global Manufacturing and Supply Chain Management (MGMSCM) program is offered at Zhejiang University (Hangzhou, China). It follows the same curriculum as the M.M.M. program and is offered on a part-time basis at Zhejiang University (with options for a semester of courses in Montreal and a summer trip). As part of Master in Global Manufacturing and Supply Chain Management initiative, students having completed the MGMSCM program could then transfer the acquired credits to apply toward Zhejiang's M.B.A. degree. Students having successfully completed all requirements for Zhejiang's MGMSCM program would have two degrees: an M.M.M. from McGill and an M.B.A from Zhejiang.

The program is instructed in English. It is targeted at high-potential managers in manufacturing, services, and logistics industries as well as entrepreneurs. Find out more about Zhejiang University's [MGMSCM program](#) in China.

### ***section 9.13.6: Master of Management (M.M.) IMPM (Non-Thesis) (45 credits)***

Engaging managers beyond administration and functioning within an authentically international context, this collaborative venture of business schools located in five different countries allows mid-career managers to study and focus on their own organizational and leadership issues with other international managers at universities in Brazil, England, India, China, and Canada.

For more information, visit our website at [www.impm.org](http://www.impm.org).

### ***section 9.13.7: Master of Management (M.M.) IMPMHL (Non-Thesis) (45 credits)***

Applying an experience-based approach to leadership development, this program will recruit practising managers and professionals throughout the health field, and from all parts of the world, to learn from distinguished faculty and each other, and gain a better understanding of their own leadership and managerial styles, the systems in which they work, their organizational contexts, and the work relationships they must build in order to achieve meaningful change.

For more information, visit our website at [www.mcgill.ca/desautels/programs/imhl](http://www.mcgill.ca/desautels/programs/imhl).

## **9.13.1 Admission Requirements and Application Procedures**

- Analytics: For more information, please refer to [www.mcgill.ca/desautels/programs/mma/admissions](http://www.mcgill.ca/desautels/programs/mma/admissions).
- Finance: For more information, please refer to [www.mcgill.ca/desautels/programs/mmf/admissions](http://www.mcgill.ca/desautels/programs/mmf/admissions).
- MGMSCM China: For more information, please refer to [www.mcgill.ca/desautels/programs/gmscm/admissions](http://www.mcgill.ca/desautels/programs/gmscm/admissions).
- IMPM: For more information, please refer to [www.impm.org](http://www.impm.org).
- IMHL: For more information, please refer to [www.mcgill.ca/desautels/programs/imhl/applying](http://www.mcgill.ca/desautels/programs/imhl/applying).

## **9.13.2 Application Dates and Deadlines**

- Analytics: For more information, please refer to [www.mcgill.ca/desautels/programs/mma/admissions](http://www.mcgill.ca/desautels/programs/mma/admissions).
- Finance: For more information, please refer to [www.mcgill.ca/desautels/programs/mmf/admissions](http://www.mcgill.ca/desautels/programs/mmf/admissions).
- MGMSCM China: For more information, please refer to [www.mcgill.ca/desautels/programs/gmscm/admissions](http://www.mcgill.ca/desautels/programs/gmscm/admissions).
- IMPM: For more information, please refer to [www.impm.org/admissions](http://www.impm.org/admissions).
- IMHL: The next cohort will begin studies in April 2018. For more information, please refer to [www.mcgill.ca/desautels/pro](http://www.mcgill.ca/desautels/pro)

**9.13.3 Master of Management (M.M.) Analytics (Non-Thesis) (45 credits)**

The core module is designed to teach the fundamentals of data and decision analytics, team management, and leadership. The complementary course module is designed to expose students to a variety of management analytics application topics including marketing, retailing, supply chain, healthcare, security, pricing, talent and network analytics. Finally, the experiential module, which consists of a capstone management analytics project and a study trip, is designed to provide students with the experience of hands-on application of the concepts taught in real-world settings and the opportunity to interact with practitioners in leading analytics organizations.

**Required Courses (30 credits)**

BUSA 684	(3)	Analytic Study Trip
BUSA 693	(6)	Management Analytics Capstone
INSY 660	(3)	Coding Foundations for Analytics
INSY 661	(3)	Database and Distributed Systems for Analytics
INSY 662	(3)	Data Mining and Visualization
MGSC 660	(3)	Mathematical and Statistical Foundations for Analytics
MGSC 661	(3)	Multivariate Statistical Analysis
MGSC 662	(3)	Decision Analytics
ORGB 660	(1.5)	Managing Data Analytics Teams
ORGB 661	(1.5)	Ethical Leadership and Leading Change

**Complementary Courses (15 credits)**

15 credits from the following:

ACCT 696	(1.5)	Advanced Topics in Accounting Analytics
FINE 695	(1.5)	Advanced Topics in Finance Analytics 1
FINE 696	(1.5)	Advanced Topics in Finance Analytics 2
INSY 670	(1.5)	Analytics for Digital Business Models
INSY 671	(1.5)	Analytics and Open Innovation
INSY 672	(1.5)	Healthcare Analytics
INSY 673	(1.5)	Security Analytics
INSY 695	(1.5)	Advanced Topics in Information Systems
MGPO 695	(1.5)	Advanced Topics in Strategy Analytics
MGSC 670	(1.5)	Revenue Management
MGSC 672	(1.5)	Operations and Supply Chain Analytics
MGSC 695	(1.5)	Advanced Topics in Management Science
MRKT 671	(1.5)	Advanced Marketing Analytics
MRKT 672	(1.5)	Internet Marketing Analytics
MRKT 673	(1.5)	Pricing Analytics
MRKT 674	(1.5)	Retail Analytics
MRKT 696	(1.5)	Advanced Topics in Marketing Analytics
ORGB 671	(1.5)	Talent Analytics
ORGB 672	(1.5)	Organizational Network Analysis
ORGB 695	(1.5)	Advanced Topics in Organizational Behaviour

**9.13.4 Master of Management (M.M.) Finance (Non-Thesis) (45 credits)**

\*\*This program is currently under revision.\*\*

The Master of Management in Finance (M.M.F.) program is a twelve-month specialized M.M. program. The program is part of the Faculty's expanding portfolio of specialized MM programs. The distinguishing features of the program are: 1) a quantitative level well above the average current M.B.A. elective and 2) a close interaction with the private sector. The crucial 12-credit major paper requirement is fulfilled either by 1) completing a three-month internship on a financial project with a corporation and writing a detailed report; or by 2) writing an academic research paper. The program will contain an investment and corporate finance focus, and it will have an advisory board of executives from financial and non-financial corporations.

**Required Courses (33 credits)**

ACCT 604	(3)	Financial Statements 1
FINE 673	(3)	Finance Fundamentals
FINE 678	(3)	Financial Economics
FINE 679	(3)	Corporate Finance Theory
FINE 680	(3)	Investments
FINE 681	(3)	International Capital Markets
FINE 682	(3)	Derivatives
FINE 689	(12)	Integrative Finance Project
FINE 689N1	(6)	Integrative Finance Project
FINE 689N2	(6)	Integrative Finance Project

**Complementary Courses (12 credits)**

12 credits from:

ACCT 605	(3)	Financial Statements 2
FINE 683	(3)	Advanced Corporate Finance
FINE 684	(3)	Fixed Income Analysis
FINE 685	(3)	Market Risk Management
FINE 686	(3)	Global Corporate Finance
FINE 687	(3)	Global Investments
FINE 688	(3)	Mergers and Acquisitions

or any other relevant 500-700 level course offered in the University with permission of the Program Adviser.

**9.13.5 Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)**

\*\*This program is currently not offered.\*\*

We are in the process of revising the curriculum of the program to enhance its quality and relevance, while keeping the focus still on designing and managing global supply chains for manufacturing and service organizations.

**Required Courses (30 credits)**

MECH 524	(3)	Computer Integrated Manufacturing
MECH 627	(9)	Manufacturing Industrial Stage
MECH 628	(2)	Manufacturing Case Studies
MECH 629	(1)	Manufacturing Industrial Seminar
MGSC 602	(3)	Strategic Management of Operations
MGSC 603	(3)	Logistics Management
MGSC 605	(3)	Total Quality Management



MGSC 608	(3)	Data Decisions and Models
MGSC 631	(3)	Analysis: Production Operations

### Complementary Courses (26 credits)

8 credits from General Business & Management Training

6 credits from General Business & Management

12 credits from Manufacturing & Supply Chain

### General Business & Management Training (8 credits)

8 credits from Group A or Group B:

#### Group A

MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation

#### Group B

MGCR 611	(2)	Financial Accounting
MGCR 612	(2)	Organizational Behaviour
MGCR 616	(2)	Marketing
MGCR 641	(2)	Elements of Modern Finance 1

### General Business & Management

6 credits from the following:

ACCT 624	(3)	Management Accounting: Planning & Control
INDR 603	(3)	Industrial Relations
ORGB 625	(3)	Managing Organizational Change
ORGB 632	(3)	Managing Teams in Organizations
ORGB 633	(3)	Managerial Negotiations
ORGB 640	(3)	The Art of Leadership
ORGB 685	(3)	Cross Cultural Management

### Manufacturing & Supply Chain

12 credits from:

MECH 526	(3)	Manufacturing and the Environment
MECH 528	(3)	Product Design
MECH 529	(3)	Discrete Manufacturing Systems
MGSC 578	(3)	Simulation of Management Systems
MGSC 615	(3)	Procurement and Distribution

## 9.13.6 Master of Management (M.M.) IMPM (Non-Thesis) (45 credits)

### Research Project (12 credits)

BUSA 689	(12)	Integrative Project
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**Required Courses (33 credits)**

BUSA 666	(5)	The Practice of Management
BUSA 668	(5)	The Venture
BUSA 670	(5)	Managing Organizations
BUSA 672	(3)	Managerial Exchange
BUSA 675	(5)	Managing Context
BUSA 680	(5)	Managing People
BUSA 685	(5)	Managing Change

**9.13.7 Master of Management (M.M.) IMPMHL (Non-Thesis) (45 credits)**

The M.M. in International Master024

The program places considerable emphasis on the theoretical foundations of management and its underlying disciplines. Graduates of the program are expected to have: (1) some knowledge of all the main areas of management, (2) a thorough knowledge of one applied area of management, and one support discipline, (3) a complete command of the research methodologies used in management, and (4) some familiarity with modern theories and methods of the pedagogy of management.

The program consists of three phases: preparation, specialization, and dissertation.

### **Preparation – Phase I**

Before entering the program, the student will have selected the area of specialization from the following areas/options:

- Accounting
- Finance
- Information Systems
- Marketing
- Operations Management
- Organizational Behaviour
- Strategy and Organization
- Environment Option\*

Some students—notably those with strong master's degrees in administration or related disciplines—have a minimum of work in Phase I; others require up to one academic year of work.

### **Specialization – Phase II**

In Phase II, students probe deeply into their chosen area of specialization. With their Advisory Committee, students work out an individual program of study, which takes about 18 months. The phase focuses on a specialization area and a support field. The specialization area could be one of the basic ones listed in Phase I (for example, marketing or operations management), a sub-area within one of these (such as organizational development within organizational behaviour), or an interdisciplinary area that combines two or more of these (such as beha

*GMAT* (or *GRE*–General Test) results are required for all applications to the doctoral program; this includes McGill master's students applying to the Ph.D. The minimum GMAT (or GRE–General Test) score required is 70% equivalency. Tests must have been written within the past five years.

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the *TOEFL* (Test of English as a Foreign Language) or *IELTS* (International English Language Testing Systems) Office. An institutional version of TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available. A minimum score of 100 for the Internet-based test, with each component score not less than 20, is required for admission. A minimum score of 7 for IELTS is required. Tests must have been written within the past two years.

Files will not be considered unless GMAT (or GRE-General Test) and TOEFL scores are received by the Application Deadline.

#### **9.14.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See *University Regulations & Resources* > *Graduate* > *Graduate Admissions and Application Procedures* > *section 1.4.3: Application Procedures* for detailed application procedures.

##### **9.14.2.1 Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- GMAT (or GRE-General Test) written within the past 5 years
- Responses to Personal Statement questions
- Curriculum Vitae

#### **9.14.3 Application Dates and Deadlines**

For application dates and deadlines, please consult the following website: [www.mcgill.ca/desautels/programs/phd/admissions/deadline](http://www.mcgill.ca/desautels/programs/phd/admissions/deadline).

#### **9.14.4 Doctor of Philosophy (Ph.D.) Management**

##### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### **Required Courses (15 credits)**

Note: Students can take MGMT 706 or EDPH 689.

EDPH 689	(3)	Teaching and Learning in Higher Education
ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
MGMT 701	(0)	Comprehensive Examination
MGMT 706	(3)	Seminar in Pedagogy
MGMT 707	(3)	Research Methodology
MGMT 720	(3)	Research Paper

### **Complementary Courses (15 credits)**

12 credits of courses/seminars at the 500-level or higher in the student's management specialization area in consultation with student's advisory committee.

3 credits chosen from the following list:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

Or another course at the 500-level or higher recommended by the advisory committee and approved by the En

For more information, please click on the above link.

### **9.15.1 Admission Requirements**

- Graduate Certificate Post-M.B.A.: Graduate Management Admission Test (GMAT).

A TOEFL test is also required to determine the English proficiency of applicants whose mother tongue is not English. Applicants are additionally expected to have completed two years of full-time work experience before submitting their application to the Post-M.B.A. program.

For more information visit our website at [www.mcgill.ca/desautels/programs](http://www.mcgill.ca/desautels/programs) or call the Master Programs Office at 514-398-4066.



### 9.16.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Applicants who have been accepted to the GCPA program are required to make a CAD\$300 deposit via [uApply](#) when confirming the offer of admission. This fee is non-refundable and will be applied towards the student's tuition.

### 9.16.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Desautels Faculty of Management and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	N/A	N/A	N/A	N/A
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	Oct. 1	Dec. 15	Feb. 1	Feb. 1

### 9.16.4W Obtaining a CPA designation



ACCT 453	(3)	Advanced Financial Accounting
ACCT 463	(3)	Management Control
ACCT 475	(3)	Principles of Auditing
ACCT 486	(3)	Business Taxation 2
BUSA 364	(3)	Business Law 1
FINE 342	(3)	Corporate Finance

#### Prerequisite Courses for Diploma in Accounting Students (42 credits)

CCAU 511	(3)	Auditing 1
CCFC 511	(3)	Financial Accounting 1
CCFC 512	(3)	Financial Accounting 2
CCFC 513	(3)	Financial Accounting 3
CCLW 511	(3)	Law 1
CCMA 511	(3)	Managerial Accounting 1
CCMA 522	(3)	Managerial Accounting 2
CCMA 523	(3)	Managerial Accounting 3
CCTX 511	(3)	Taxation 1
CCTX 532	(3)	Taxation 2
CFIN 512	(3)	Corporate Finance
CFIN 522	(3)	Applied Topics: Corporate Finance
CMIS 541	(3)	Information Systems for Managers
CPL2 552	(3)	Strategic Management

#### Required Courses (16 credits)

ACCT 653	(3)	Issues in Professional Accounting 1
ACCT 654	(3)	Issues in Professional Accounting 2
ACCT 663	(3)	Strategic Aspects of Accounting 1
ACCT 664	(3)	Strategic Aspects of Accounting 2
ACCT 695	(4)	Integrative Analysis

#### Complementary Courses (8 credits)

8 credits from the following:

ACCT 683	(4)	Practice of Taxation
ACCT 685	(4)	Accounting and Performance Management
ACCT 687	(4)	Assurance Services
ACCT 689	(4)	Financial Business Analysis
ACCT 699	(0)	Exam Preparation Seminar

### 9.17 Desautels Faculty of Management Academic Staff

#### Dean

Isabelle Bajoux-Besnainou; Degree(ENS Paris), M.Sc.(Paris VI & Paris IX), Doctorat(Paris IX)



## Associate Professors

A. de Motta; B.A.(Univ. de Valencia), Ph.D.(MIT) – *Finance*

J. Ericsson; M.Sc., Ph.D.(Stockholm Sch. of Econ.) – *Finance*

H. Etemad; B.S.C., M.Eng.(Tehran), M.S., M.B.A., Ph.D.(Calif.) – *International Business*

D. Etzion; B.Sc.(Ben-Gurion), M.Sc.(Tel Aviv), Ph.D.(IESE Univ. of Navarra) – *Strategy and Organization*

S. Fortin; B.A.A.(UQAR), Ph.D.(Wat.) – *Accounting*

R. Goyenko; B.S.(Donetsk-Ukraine), M.A.(C.E.U., Budapest), M.S.(Siena), M.B.A., Ph.D.(Ind.) – *Finance*

M. Gumus; B.S.(Naval Academy), M.S., M.A., Ph.D.(Mich.) – *Industrial Engineering and Operations Management*

K. Han; B.S., M.S.(KAIST), Ph.D.(Minn.) – *Information Systems*

P. Hewlin; B.A.(Binghamton), M.B.A., Ph.D.(NYU) – *Organizational Behaviour*

## Assistant Professors

M. Hollister; B.A.(Haver.), M.C.P.(MIT), Ph.D.(Harv.) – *Organizational Behaviour*

H. Kim; B.A., M.S.(Seoul), Ph.D.(Ind.) – *Marketing*

J. Kondo; B.A.(Princ.), Ph.D.(MIT) – *Finance*

B. Kucukyazici; B.Sc.(Marmara), M.Sc.(Yeditepe), Ph.D.(McG.) – *Operations Management*

D. Lee; B.A.(Hanyang), M.Acc.(Hawaii), Ph.D.(Utah) – *Accounting*

Y. (M.) Lu; B.A.(Peking), M.A., M.Phil., Ph.D.(Yale) – *Marketing*

A. Malkhozov; B.Ec.(Strasbourg), M.Ec.(Paris), M.Sc., Ph.D.(Lond.) – *Marketing*

E. Obukhova; B.A.(Flor.), M.S.(N'Western), Ph.D.(Chic.) – *Strategy and Organization*

S. Oh; B.B.A., M.Sc.(Seoul), Ph.D.(USC) – *Accounting*

J. Pruijssers; B.A.(Econ.)(McG.), M.Sc.(Law & Acct.)(LSE), M.Phil., Ph.D.(RSM, Erasmus) – *Accounting*

W. Qi; B.Eng.(Zhejiang), M.S.(Calif.-LA), Ph.D.(Calif., Berk.) – *Operations Management*

J-N. Reyt; B.A.(Paris X), M.Sc.(Fin. & Strategy)(Sciences Po), M.Sc.(Mgmt.)(ESSEC), Ph.D.(Pw & D. LeeSchumach B.ADipl.Int'l.Bus2 6ss(duBehde1 0 0 1 210.742



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### 10.3 Important Dates

For all dates relating to the academic year, consult [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

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### 10.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources > Graduate > section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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### 10.5 Program Requirements

Refer to [University Regulations & Resources > Graduate > Regulations > section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Ad Personam Programs (Thesis Option Only)
- Coursework for Graduate Programs, Diplomas, and Certificates

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### 10.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#) for information on:

- Application for Admission
- Admission Requirements
- Application Procedures
- Competency in English

and other important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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### 10.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources >](#)

## 10.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students' Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures, and privileges.

### 1. Definition and Status

i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who is a member of McGill's academic staff qualified in the discipline in which training is being provided and with the abilities to fulfil responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

### 2. Registration

i. Postdocs must be registered annually with the University through Enrolment Services. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfil the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.

ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

### 3. Appointment, Pay, Agreement of Conditions

i. Appointments may not exceed your registration eligibility status.

ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement and supporting document—*Commitments of Postdoctoral Scholars and Supervisors*—available at [www.mcgill.ca/gps/postdocs/fellows/responsibilities](http://www.mcgill.ca/gps/postdocs/fellows/responsibilities)). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources > Graduate > Regulations > Categories of Students > section 1.2.8: Leave of Absence Status](#)). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department. This applies to all postdocs, except those for whom teaching is part of the award (e.g., Mellon grantees).

v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

### 4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students under [www.mcgill.ca/students/srr](http://www.mcgill.ca/students/srr), and those granted by the policies listed at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations).

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students' So 459uh,Il be tPGSS)bo

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

## 5. Responsibilities

i. Postdocs are subject to the responsibilities outlined at [www.mcgill.ca/students/srr](http://www.mcgill.ca/students/srr) and must abide by the policies listed at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations).

ii. Each academic unit hosting Postdocs should clearly identify Postdocs' needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:

- to verify the Postdoc's eligibility period for registration;
- to provide Postdocs with departmental policy and procedures that pertain to them;
- to oversee the registration and appointment of Postdocs;
- to assign departmental personnel (e.g., Postdoc coordinator and Graduate Program Director) the responsibility for Postdocs;
- to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
- to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include Postdocs in departmental career and placement opportunities;
- to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:

- to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
- to provide research guidance;
- to meet regularly with their Postdocs;
- to provide feedback on research submitted by the Postdocs;
- to clarify expectations regarding intellectual property rights in accordance with the University's policy;
- to provide mentorship for career development;
- to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

- to inform themselves of and adhere to the University's policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined at [www.mcgill.ca/students/srr](http://www.mcgill.ca/students/srr) and the Graduate and Postdoctoral Studies [University Regulations and Resources](#);
- to submit a complete file for registration to Enrolment Services;
- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor;
- to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

- to register Postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to Postdocs;
- to provide Postdocs with the necessary information on McGill University student services.

*Approved by Senate, April 2000; revised May 2014*

### 10.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

*Council of FGSR April 23, 1999*

### 10.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate >](#)



on leave. A summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at [www.mcgill.ca/gps/funding/getting-paid](http://www.mcgill.ca/gps/funding/getting-paid) under "Leave Policies and Form."

## 10.8.5 Postdoctoral Research Trainees

### Eligibility

If your situation does not conform to the Government of Quebec's definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

**Category 1:** An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

**Category 2:** An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

**Category 3:** An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

### General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diploma
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic f

- Policy on Research Ethics
- Regulations on Research Policy
- Policy on Research Integrity
- Guidelines for Research Involving Human Subjects
- Guidelines for Research with Animal Subjects
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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## 10.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2018–2019 session as listed. The Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable at any time throughout the year.

### 10.11.1 Anatomy and Cell Biology

#### 10.11.1.1 Location

Department of Anatomy and Cell Biology  
Strathcona Anatomy and Dentistry Building  
3640 University Street, Room M/28  
Montreal QC H3A 0C7  
Canada  
Telephone: 514-398-6350  
Fax: 514-398-5047  
Website: [www.mcgill.ca/anatomy](http://www.mcgill.ca/anatomy)

#### 10.11.1.2 About Anatomy and Cell Biology

The Department offers graduate programs leading to **M.Sc.** and **Ph.D.** degrees. Research in the Department investigates the dynamics and organization of molecules, organelles, cells, and tissues in several major systems of the body. The work makes fundamental contributions to a number of established and emerging multidisciplinary fields such as:

- cell and molecular biology;
- cellular immunology and hematology;
- reproductive biology;
- calcified tissue biology;
- tumour cell biology;
- developmental biology;
- neurobiology;
- aging.

The Department offers contemporary facilities for the wide range of techniques currently employed in research. Modern methods of cell and molecular biology, immunology, and biochemistry are used in conjunction with specialized microscopy in a variety of experimental systems.

The Department has one of the largest and best-equipped electron microscope facilities in the world. Currently in use are four modern electron microscopes which include a Tecnai F20 and a Titan Krios. Combined with some of these microscopes are computer-aided analytical equipment capable of elemental microanalysis, histomorphometry, reconstruction, and quantitation. The high-voltage microscope is particularly useful for certain analytical electron optical procedures such as electron diffraction, lattice imaging, and three-dimensional electron microscopy.

#### Funding

M.Sc. and Ph.D. students receive a minimum yearly stipend of \$18,000 and \$20,000 respectively. All students are financially supported either by their supervisor or through fellowships or scholarships. Prospective students are urged to make every effort to secure their own funding. Applications may be made for a variety of fellowships administered by the University or by various federal, provincial, or private agencies. For more information on fellowships and awards, see the [Graduate and Postdoctoral Studies website](#).

### **Departmental Seminars**

Nationally and internationally recognized scientists present their research findings to the Department at a regular *seminar series* throughout the academic year. On a regular basis, graduate students also present their own research progress and results to other students, postdoctoral fellows, and researchers in the Department through the Research in Progress Seminar Series.

*section 10.11.1.5*

### **10.11.1.3.3 Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Anatomy and Cell Biology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-pr](http://www.mcgill.ca/gps/contact/graduate-pr)

## Associate Professors

Eugene Daniels; M.Sc., Ph.D.(Manit.)

Timothy Kennedy; B.Sc.(McM.), M.Phil., Ph.D.(Col.) (*joint appt. with Neurology and Neurosurgery*)

Craig Mandato; B.Sc., Ph.D.(Wat.)

Geoffroy P. Noël; Ph.D.(Br. Col.)

John F. Presley; B.A., Ph.D.(Texas)

## Adjunct Professors

Frédéric Charron; B.Sc.(Montr.), Ph.D.(McG.)

Jean-François Côté; Ph.D.(McG.)

Daniel Cyr; B.Sc., M.Sc.(C'dia), Ph.D.(Manit.)

Jacques Drouin; B.Sc., D.Sc.(Laval)

Jennifer Estall; Ph.D.(Tor.)

Patrick Freud; B.Sc., D.C.(Parker)

Michael Greenwood; B.Sc., M.Sc.(C'dia), Ph.D.(McG.)

David Hipfner; B.Sc., Ph.D.(Qu.)

Artur Kania; Ph.D.(Baylor)

Justin Kollman; Ph.D.(Calif.-San Diego)

Stephane Lefrancois; B.Sc., Ph.D.(McG.)

Alexei Pshezhetsky; Ph.D.(Moscow St.)

~~161.424~~ Rouiller; Ph.D.(Hertfordshire)

Michael Sacher; Ph.D.(McG.)

Elitza Tocheva; B.Sc., Ph.D.(Br. Col.)

### 10.11.1.5 Master of Science (M.Sc.) Cell Biology (Thesis) (45 credits)

#### Thesis Course (24 credits)

ANAT 698	(24)	M.Sc. Thesis Research 1
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#### Required Course (12 credits)

ANAT 601	(3)	MSc Seminar Examination
ANAT 695	(3)	Seminars in Cell Biology 1
ANAT 696	(3)	Seminars in Cell Biology 2
ANAT 697	(3)	Seminars in Cell Biology 3

#### Complementary Courses (9 credits)

6 credits from one of two streams: Cell Developmental Biology Stream or Human Systems Biology Stream

#### Cell Developmental Biology Stream

ANAT 663D1	(3)	Histology
ANAT 663D2	(3)	Histology
AN10.11.1.5	(3)	Cell and Developmental Biology

3 credits selected from:

BMDE 502	(3)	BME Modelling and Identification
BMDE 519	(3)	Biomedical Signals and Systems
BTEC 501	(3)	Bioinformatics
COMP 564	(3)	Advanced Computational Biology Methods and Research
COMP 680	(4)	Mining Biological Sequences Techniques in Molecular Genetics

- signal transduction;
- protein structure and function;
- membrane biology;
- cell death and differentiation;
- embryonic development;
- neurobiology;
- bioinformatics;
- cancer.

Specialized graduate training programs in Chemical Biology, Human Systems Biology (Bioinformatics), *Cancer Research/Oncology*, and *Structural Biology* are available. Laboratories are located in the new Bellini Life Sciences Building and Goodman Cancer Research Centre, and the renovated McIntyre Medical Sciences Building, together comprising one of the best-equipped research facilities in Canada. The outstanding quality of our research has been recognized by recent awards including a Gairdner Award, two Killam Prizes, and eight Canada Research Chairs.

#### **Funding**

Master's students receive a minimum stipend of \$20,000 annually; doctoral students receive \$22,000. The Department is committed to helping graduate students secure adequate funding for their research. All students are financially supported either by their supervisor or through fellowships or scholarships. Prospective students are urged to make every effort to secure their o



#### ***section 10.11.2.8: Doctor of Philosophy (Ph.D.) Biochemistry***

The Ph.D. in Biochemistry trains students in laboratory-based research at the highest level. The Ph.D. program is streamlined to emphasize independent research, and the many areas of biochemistry studied in our Department offer a wide choice of specialties. Students gain in-depth expertise in biochemistry and the biomedical sciences, with the opportunity to carry out research projects at a world-class level and build collaborations with other leading research groups.

Graduates of the Ph.D. program are outstandingly prepared for leadership careers in the basic health sciences in industry, the public sector, or academia.

#### ***section 10.11.2.9: Doctor of Philosophy (Ph.D.) Biochemistry: Bioinformatics***

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics.

Ph.D. level – Students successfully completing the Bioinformatics option at the Ph.D. level will be fluent in the concepts, language, approaches, and limitations of the field, and have the capability of developing an independent Bioinformatics research program.

The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

#### ***section 10.11.2.10: Doctor of Philosophy (Ph.D.) Biochemistry: Chemical Biology***

The Chemical Biology Thematic Group is engaged in a diverse range of research topics which span structural biology, enzymology, nucleic acid research, signalling pathways, single molecule biophysics, and biophysical chemistry of living tissues. Among the themes which unite the research being performed in this group is trying to learn new chemistry and physics from biological systems. We have projects relating to pharmaceutically relevant enzymes such as those involved in drug metabolism and antibiotic resistance; development of therapeutic agents in the control of inflammation, cancer and viral infections; the chemical biology of NO; quantification of bioenergetic markers of metabolism; self-assembly mechanisms of the HIV-1 virion capsid; liposome microarray systems to address membrane protein dynamics and recognition; studies on reactive oxygen species translocation across the aqueous/lipid membrane interface; RNAi/antisense technologies; dynamic combinatorial chemistry; protein dynamics and function; mechanistic aspects involved in cellular adhesion and transport in membrane and zeolite channels; and cutting-edge microscopes used to ecellular x fu mechani7researchootic re34o46 436.56 Tm(v)T,s0

**or**

*IELTS*: Minimum overall band score of 6.5 or greater.

- International students who have received their degree outside North America should submit *GRE* scores: The GRE is not required, but recommended for international students. The Biochemistry subject test is now part of the Biology test. The most important sub-score is "Cellular and Molecular Biology", followed by "Evolution"; "Organismal Biology and Ecology" is less important.

## **Emeritus Professors**

Walter E. Mushynski; B.Sc., Ph.D.(McG.)

Gordon C. Shore; B.Sc.(Guelph), Ph.D.(McG.)

John R. Silvius; B.Sc., Ph.D.(Alta.)

Clifford P. Stanners; B.Sc.(McM.), M.A., Ph.D.(Tor.)

Maria Zannis-Hadjopoulos; B.Sc., M.Sc., Ph.D.(McG.) (*joint appt. with Oncology and Medicine*)

**Associate Members**

Gergely Lukacs (*Dept. of Physiology*)  
 Janusz Rak (*Dept. of Medicine*)  
 Stéphane Richard (*Depts. of Medicine and Oncology*)  
 Selena M. Sagan (*Dept. of Microbiology & Immunology*)  
 Reza Salavati (*Inst. of Parasitology*)  
 Maya Saleh (*Dept. of Medicine*)  
 Erwin Schurr (*Ctr. for Host Resistance, MGH*)  
 Peter Siegel (*Goodman Cancer Ctr., Dept. of Medicine*)  
 Ivan Topisirovic (*Dept. of Oncology*)  
 Youla S. Tsantrizos (*Dept. of Chemistry*)  
 Bernard Turcotte (*Dept. of Medicine*)  
 Josie Ursini-Siegel (*Dept. of Oncology*)  
 Simon Wing (*Dept. of Medicine*)  
 Xiang-Jiao Yang (*Goodman Cancer Ctr., Dept. of Medicine*)

**Adjunct Professors**

Mirek Cygler (*Sask.*)  
 Jacques Drouin (*IRCM*)  
 Matthias Götte (*Alta.*)  
 Michael Hallett (*C'dia, Dept. of Biology*)  
 Enrico Purisima (*NRC/BRI*)  
 Julie St-Pierre (*Ott.*)

**10.11.2.5 Master of Science (M.Sc.) Biochemistry (Thesis) (45 credits)****Thesis Courses (36 credits)**

BIOC 697	(9)	Thesis Research 1
BIOC 698	(12)	Thesis Research 2
BIOC 699	(15)	Thesis Research 3

**Required Course (3 credits)**

BIOC 696	(3)	Seminars in Biochemistry
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**Complementary Courses\* (6 credits)**

At least 3 credits must be chosen from the following:

BIOC 600	(3)	Advanced Strategies in Genetics and Genomics
BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
BIOC 605	(3)	Protein Biology and Proteomics
BIOC 670	(3)	Biochemistry of Lipoproteins
EXMD 615	(3)	Essentials of Glycobiology
EXMD 635D1	(3)	Experimental/Clinical Oncology

EXMD 635D2                    (3)                    Experimental/Clinical Oncology

Plus additional credits, to a minimum of 6 total complementary course credits, of 500- or higher-level courses in biomedical and allied sciences.

\* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursew

### 10.11.2.7 Master of Science (M.Sc.) Biochemistry (Thesis): Chemical Biology (47 credits)

#### Thesis Courses (33 credits)

BIOC 695	(6)	Thesis Research 1 (Chemical - Biology)
BIOC 698	(12)	Thesis Research 2
BIOC 699	(15)	Thesis Research 3

#### Required Course (3 credits)

BIOC 696	(3)	Seminars in Biochemistry
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#### Complementary Courses\* (11 credits)

Two of the following courses:

BIOC 610	(1)	Seminars in Chemical Biology 1
BIOC 611	(1)	Seminars in Chemical Biology 3
BIOC 689	(1)	Seminars in Chemical Biology 2
BIOC 690	(1)	Seminars in Chemical Biology 4

At least 3 credits from the following:

CHEM 502	(3)	Advanced Bio-Organic Chemistry
CHEM 503	(3)	Drug Discovery
PHAR 503	(3)	Drug Discovery and Development 1

and at least 3 credits from the following:

BIOC 600	(3)	Advanced Strategies in Genetics and Genomics
BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
BIOC 605	(3)	Protein Biology and Proteomics
BIOC 670	(3)	Biochemistry of Lipoproteins
EXMD 615	(3)	Essentials of Glycobiology
EXMD 635D1	(3)	Experimental/Clinical Oncology
EXMD 635D2	(3)	Experimental/Clinical Oncology

Plus additional credits, to a total of at least 11 complementary course credits from the following list:

CHEM 504	(3)	Drug Design
CHEM 522	(3)	Stereochemistry
CHEM 582	(3)	Supramolecular Chemistry
CHEM 591	(3)	Bioinorganic Chemistry
		Reaction Mechanisms in Organic Chemistry

EXMD 602	(3)	Techniques in Molecular Genetics
PHAR 504	(3)	Drug Discovery and Development 2
PHAR 562	(3)	Neuropharmacology
PHAR 563	(3)	Endocrine Pharmacology
PHAR 707	(3)	Topics in Pharmacology 6

\* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

### **10.11.2.8 Doctor of Philosophy (Ph.D.) Biochemistry**

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### **Required Courses (3 credits)**

BIOC 696*	(3)	Seminars in Biochemistry
BIOC 701**	(0)	Research Seminar 1
		Ph.D.

### **10.11.2.9 Doctor of Philosophy (Ph.D.) Biochemistry: Bioinformatics**

#### **Thesis**

A thesis for the doctoral de



### 10.11.2.10 Doctor of Philosophy (Ph.D.) Biochemistry: Chemical Biology

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses (7 credits)

BIOC 610	(1)	Seminars in Chemical Biology 1
BIOC 611	(1)	Seminars in Chemical Biology 3
BIOC 689	(1)	Seminars in Chemical Biology 2
BIOC 690	(1)	Seminars in Chemical Biology 4
BIOC 696*	(3)	Seminars in Biochemistry
BIOC 701**	(0)	Research Seminar 1
BIOC 702**	(0)	Ph.D. Thesis Proposal
BIOC 703**	(0)	Ph.D. Seminar

\* Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

\*\* NOTE: Students DO NOT re

CHEM 591	(3)	Bioinorganic Chemistry
CHEM 621	(5)	Reaction Mechanisms in Organic Chemistry
CHEM 629	(5)	Organic Synthesis
CHEM 655	(4)	Advanced NMR Spectroscopy
EXMD 510	(3)	Bioanalytical Separation Methods
EXMD 602	(3)	Techniques in Molecular Genetics
PHAR 504	(3)	Drug Discovery and Development 2
PHAR 562	(3)	Neuropharmacology
PHAR 563	(3)	Endocrine Pharmacology
PHAR 707	(3)	Topics in Pharmacology 6

\*\*\* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

### 10.11.3 Bioethics

#### 10.11.3.1 Location

Biomedical Ethics Unit  
 3647 Peel Street  
 Montreal QC H3A 1X1  
 Canada                      ph  
 Telephone: 514-398-6668  
 Fax: 514-398-8349  
 Website: [www.mcgill.ca/biomedicalethicsunit/teaching/masters](http://www.mcgill.ca/biomedicalethicsunit/teaching/masters)

For information, contact the Graduate Program Director:

Jennifer Fishman – [jennifer.fishman@mcgill.ca](mailto:jennifer.fishman@mcgill.ca)

#### 10.11.3.2 About Bioethics

The Biomedical Ethics Unit was established in 1996 with the aim of supporting scholarly research, clinical services, teaching, and public outreach. Members of the unit have backgrounds in law, sociology, molecular genetics, history, medicine, and philosophy. We offer a master's degree specialization in biomedical ethics for selected master's students in the Division of Experimental Medicine, the Department of Family Medicine, Department of Human Genetics, Department of Philosophy

### 10.11.3.3 Bioethics Admission Requirements and Application Procedures

#### 10.11.3.3.1 Admission Requirements

M.D., professional training in a health science, or bachelor's degree in the sciences, social sciences, law, philosophy, or religious studies. Other students may be considered on an individual basis.

Enrolment is limited to 12 students.

#### 10.11.3.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations and Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Applications for the Master's Specialization in Bioethics are made initially through the Faculties of Law, Medicine (Division of Experimental Medicine, Department of Human Genetics, Department of Family Medicine), and Arts (Department of Philosophy, School of Religious Studies).

Applicants must satisfy the admission criteria for their chosen discipline and those of the Bioethics Unit, which administers the program and teaches the core courses; see [www.mcgill.ca/biomedicalethicsunit/teaching/masters/apply](http://www.mcgill.ca/biomedicalethicsunit/teaching/masters/apply).

Applicants must be accepted by the appropriate Faculty, the Bioethics Graduate Studies Advisory Committee, and Graduate and Postdoctoral Studies.

#### 10.11.3.3.3 Application Dates and Deadlines

Deadlines coincide with those of the chosen base discipline. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).



**Note:** Applications for Winter or Summer term admission will not be considered.

### 10.11.3.4 Biomedical Ethics Faculty

#### Director

J. Kimmelman

#### Associate Professors

Montreal QC H3A 2B4  
Canada  
Website: [www.mcgill.ca/bbme](http://www.mcgill.ca/bbme)

#### 10.11.4.2 About Biological and Biomedical Engineering

The Biological and Biomedical Engineering (BBME) graduate program is an interfaculty program involving the Department of Bioengineering in the Faculty of Engineering and the Department of Biomedical Engineering in the Faculty of Medicine. The BBME interfaculty program builds on the excellence and high standard of its predecessor graduate program in Biomedical Engineering. This broader interfaculty restructuring supports the growing trend in research universities toward formalized interdisciplinary studies and multifaculty collaboration.

BBME students come from a wide range of backgrounds including engineering, physics, chemistry, biology, and dentistry, among others. The multicultural diversity of our student body is a strength of the program, as networking and collaborative opportunities are vast. Students in BBME have supervisors associated with the program whose home departments will be spread primarily across the Faculties of Engineering and Medicine.

As researchers in this field unravel the molecular and physiological mechanisms of biology, develop increasingly advanced technologies to transform healthcare, or attempt to reverse-engineer naturally occurring biological solutions, devices, and procedures, alumni of the BBME program are poised to play a critical role in shaping our global future.

Please consult our [website](#) for additional information.

#### Research Domains

Our faculty members are particularly active in research related to the development of quantitative analysis tools and instruments for biological and biomedical research. The ultimate goal is the pursuit of answers to biological and medical questions. Ongoing biological and biomedical engineering research at McGill includes:

- signal analysis, including brain (EEG), muscles (EMG), eyes (EOG), respiration, and mass spectrometry;
- systems analysis, including neuromuscular control, and oculomotor and vestibular control;
- experimental and computational biomechanics, including orthopedic and auditory mechanics;
- biomaterials, including artificial cells;
- medical imaging and image processing;
- micro and nanotechnology and biosensors;
- nanoparticles and cell imaging;
- bioinformatics and computational biology;
- computers in medical education, including interactive 3D models and haptics;
- biological materials and mechanics;
- biomolecular and cellular engineering, and regenerative medicine;
- biomedical, diagnostics, and high throughput screening engineering;
- mechanics of disease;
- tissue engineering, especially concerning 3D and nano-related biological microfluidics devices, such as fungi and cellular traffic;
- biological dynamic devices, from whole-organisms (e.g., bacteria) to nanodevices;
- information processing and storage in biological systems;
- systems and synthetic biology;
- cell mechanisms and the cytoskeleton;
- soft matter physics.

#### *section 6.11.3.5: Master of Engineering (M.Eng.) Biological and Biomedical Engineering (Thesis) (45 credits)*

The **Biological and Biomedical Engineering Master's program** focuses on the interdisciplinary application of methods, paradigms, technologies, and devices from engineering and the natural sciences to problems in biology

### ***section 6.11.3.6: Doctor of Philosophy (Ph.D.) Biological and Biomedical Engineering***

The **Biological and Biomedical Engineering doctoral program** provides students with advanced training in the interdisciplinary application of methods, paradigms, technologies, and devices from engineering and the natural sciences to problems in biology, medicine, and the life sciences. The program will focus on an area of choice while integrating quantitative concepts and engineering tools for the study of natural and life sciences and/or for patient care. As part of the Ph.D. requirement, the student will integrate the scientific method, develop critical and deep thinking, and acquire advanced writing and presentation skills that will form the foundation for his/her future career. Under the guidance of his/her supervisor, the student will tackle a research challenge and make original contributions to the advancement of science and engineering in an area of Biological and Biomedical Engineering. Through independent research and thesis writing, the program will prepare students for careers in academia, industry, hospitals, and government. Students who complete the program will obtain a doctor of philosophy in Biological and Biomedical Engineering. The best preparation for this program is a master's degree in BBME or a related discipline.

For more information please consult [www.mcgill.ca/bbme/prospective-students/doctoral-program](http://www.mcgill.ca/bbme/prospective-students/doctoral-program).

## **10.11.4.3 Biological and Biomedical Engineering Admission Requirements and Application Procedures**

### **10.11.4.3.1 Admission Requirements**

For up-to-date admission requirements, please consult [www.mcgill.ca/bbme/prospective-students/how-apply](http://www.mcgill.ca/bbme/prospective-students/how-apply) and [University Regulations & Resources > Graduate > Graduate Admissions and Application Procedures > section 1.4.2: Admission Requirements \(Minimum Requirements to be Considered for Admission\)](#).

### **10.11.4.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources > Gr](#)

hospitals and government and provide a solid basis for Ph.D. studies. Candidates should hold a bachelor's degree in engineering, science, or medicine with a strong emphasis on mathematics, physics, chemistry, and basic physiology or cell biology.

**Thesis Courses (24 credits)**

BBME 693	(6)	Thesis Research 1
BBME 694	(6)	Thesis Research 2
BBME 695	(12)	Thesis Submission

**Required Courses (3 credits)**

BBME 600D1	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600D2	(1.5)	Seminars in Biological and Biomedical Engineering

OR

BBME 600N1	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600N2	(1.5)	Seminars in Biological and Biomedical Engineering

**Complementary Courses (18 credits)**

3 credits from the following quantitative courses, or other quantitative courses (at the 500-level or higher) appro(6)

BIEN 680	(4)	Bioprocessing of Vaccines
BINF 511	(3)	Bioinformatics for Genomics
BIOL 598	(3)	Advanced Design and Statistics
BIOT 505	(3)	Selected Topics in Biotechnology
BMDE 501	(3)	Selected Topics in Biomedical Engineering
BMDE 502	(3)	BME Modelling and Identification
BMDE 503	(3)	Biomedical Instrumentation
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering
BMDE 506	(3)	Molecular Biology Techniques
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering
BMDE 509	(3)	Quantitative Analysis and Modelling of Cellular Processes
BMDE 510	(3)	Topics in Astrobiology
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems
BMDE 610	(3)	Functional Neuroimaging Fusion
BMDE 625D1	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 625D2	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 650	(3)	Advanced Medical Imaging
BMDE 651	(3)	Orthopaedic Engineering
BMDE 652	(3)	Bioinformatics: Proteomics
BMDE 653	(3)	Patents in Biomedical Engineering
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices
BMDE 655	(3)	Biomedical Clinical Trials - Medical Devices
CHEE 561	(3)	Introduction to Soft Tissue Biophysics
CHEE 563	(3)	Biofluids and Cardiovascular Mechanics
CHEE 651	(4)	Advanced Biochemical Engineering
CHEM 571	(3)	Polymer Synthesis
COMP 526	(3)	Probabilistic Reasoning and AI
COMP 546	(4)	Computational Perception
COMP 551	(4)	Applied Machine Learning
COMP 558	(3)	Fundamentals of Computer Vision
COMP 561	(4)	Computational Biology Methods and Research
COMP 652	(4)	Machine Learning
		Advanced Topics TheBMDE3n 3)

EXMD 609	(3)	Cellular Methods in Medical Research
EXMD 610	(3)	Molecular Methods in Medical Research
FACC 510	(3)	Selected Topics in the Faculty of Engineering 1
MATH 525	(4)	Sampling Theory and Applications
MDPH 607	(3)	Medical Imaging
	(3)	Instrumentation and Computation in Medical Physics



Further courses may be required by the supervisor(s) in consultation with the Graduate Program Director, depending on the educational background of individual students.

## **10.11.5 Biomedical Engineering**

### **10.11.5.1 Location**

Department of Biomedical Engineering  
Duff Medical Building  
3775 University Street, Room 316  
Montreal QC H3A 2B4  
Canada  
Telephone: 514-398-6736  
Fax: 514-398-7461  
Website: [www.mcgill.ca/bme](http://www.mcgill.ca/bme)

### **10.11.5.2 About Biomedical Engineering**

Excellent laboratory facilities for basic and applied research are available in the Department and in the laboratories of associated staff located elsewhere on campus. The Department operates a network of high-performance workstations and well-equipped mechanical and electronics workshops.

Basic research in the Department concentrates on the application of quantitative engineering analysis methods to basic biomedical research problems. Currently active areas of research include:

- neuromuscular and postural control;
- muscle mechanics;
- the vestibular system;

**10.11.5.3 Biomedical Engineering Admission Requirements and Application Procedures**  
**10.11.5.3.1 Admission Requirements**

See *University Regulations & Resources* > *Graduate* > *Graduate Admissions and Application Procedures* > *section 1.4.2: Admission Requirements (Minimum Requirements to be Considered for Admission)*. In addition, please see the Department website: [www.mcgill.ca/bme/prospective-students/certificate](http://www.mcgill.ca/bme/prospective-students/certificate).

## Associate Members

S. Baillet (*Neurology and Neurosurgery*)

C. Baker (*Ophthalmology*)

F. Barthelat (*Mechanical Engineering*)

S. Blain-Moraes (*Physical and Occupational Therapy*)

M. Chacron (*Physiology*)

M. Chakravarty (*Psychiatry*)

K. Cullen (*Physiolo*)

## Adjunct Professors

J.-M. Lina (ETS)

M. Mekhail (Shriners)

J.L. Nadeau (Calif. Tech.)

G.B. Pike (Calg.)

A. Reader (King's, Lond.)

T. V

BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering

#### Biosensors and Devices

BIEN 520	(3)	High Throughput Bioanalytical Devices
BIEN 550	(3)	Biomolecular Devices
BIEN 560	(3)	Biosensors
BMDE 503	(3)	Biomedical Instrumentation
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering

### **10.11.6 Communication Sciences and Disorders**

#### **10.11.6.1 Location**

School of Communication Sciences and Disorders  
2001 McGill College Av

235 boulevard René-Lévesque est, bureau 601  
Montreal QC H2X 1N8  
Telephone: 514-282-9123  
Email: [info@ooaq.qc.ca](mailto:info@ooaq.qc.ca)  
Website: [www.ooaq.qc.ca](http://www.ooaq.qc.ca)

Quebec law requires that candidates seeking licensure in provincially recognized professions demonstrate a verbal and written working knowledge of the French language. See [University Regulations & Resources > Undergraduate > Admission to Professional and Graduate Studies > : Language Requirements for Professions](#).

#### **Funding**

*IODE Canada* funds two \$1,000 “Silence to Sound” awards for studies in hearing impairment. These in-course awards are based on academic merit, Canadian citizenship, financial need, and potential for excellence, and are awarded by the School with approval of funds by IODE Canada.

**Montreal League for the Hard of Hearing Award** – Candidates must be enrolled at the graduate level in the School and working in the area of hearing impairment. Awarded by the School. V

### ***section 10.11.6.8: Doctor of Philosophy (Ph.D.) Communication Sciences and Disorders: Language Acquisition***

available for doctoral students across four departments at McGill including SCSD, Linguistics, Psychology, and Integrated Studies in Education. The program is designed to provide enriched training focused on the scientific exploration of language acquisition by different kinds of learners in diverse contexts. Students in the Language Acquisition Program are introduced to theoretical and methodological issues on language acquisition from the perspectives of cognitive neuroscience, theoretical linguistics, psycholinguistics, education, communication sciences and disorders, and neuropsychology. In addition to the SCSD Ph.D. requirements, students in this program must complete 6 credits of coursework in language acquisition (including at least one course that is not in their home department), and four interdisciplinary seminars (2 credits each) and must include a faculty member in the Language Acquisition Program on their thesis committee.

## **10.11.6.3 Communication Sciences and Disorders Admission Requirements and Applications Procedures**

### **10.11.6.3.1 Admission Requirements**

#### **M.Sc. (Applied)**

An applicant must hold an undergraduate degree with a minimum B average (3.0 on a 4.0 point scale) or better in areas relevant to the selected field of specialization. Specific requirements are 6 credits in statistics, a total of 18 credits across the disciplines of psychology and linguistics (with a minimum of 6 credits in each discipline). Knowledge of physiology is also desirable.

#### **M.Sc. in Communication Sciences and Disorders**

The M.Sc. provides research training for:

- 1.** students who are also taking courses for professional qualification;
- 2.** students who have a non-thesis professional degree in Communication Sciences and Disorders; and
- 3.** students with degrees in related fields who wish to do research but not obtain professional qualification in Communication Sciences and Disorders.

#### **Ph.D. in Communication Sciences and Disorders**

Applicants should normally have a master's de

- Writing Sample
- Acceptance by a research supervisor
- Two Reference Letters (academic)

Applications will be considered upon receipt of supporting documents as outlined above. All applicants are strongly encouraged to submit reports of their performance on the Graduate Record Examination ([GRE](#)).

**Application Dates and Deadlines**



**Assistant Professors (Part-Time)**

Christina Lattermann; Staatlich anerkannte Logopaedin(Westfaelische Wilhelms-Universität, Muenster), M.Sc.(McG.), Ph.D.(Kassel)

Rosalee Shenker; B.Sc.(Syrac.), M.A.(Calif. St.), Ph.D.(McG.)

SCSD 673	(12)	M.Sc. Thesis 3
SCSD 674	(3)	M.Sc. Thesis 4

or courses in other departments, as arranged with the student's thesis supervisor.

**10.11.6.6 Master of Science, Applied (M.Sc.A.) Communication Sciences & Disorders (Non-Thesis): Speech-Language Pathology (82 credits)**

The professional degree program involves two academic years of full-time study and related practical work, followed by a Summer internship.

**Required Courses (76 credits)**

SCSD 667	(3)	Communication Sciences and Disorders 4
SCSD 670	(3)	Communication Sciences and Disorders 2
SCSD 678	(3)	Special Topics 4

#### 10.11.6.7 Doctor of Philosophy (Ph.D.) Communication Sciences and Disorders

##### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

##### Required Courses (12 credits)

SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 685	(3)	Research Project 1
SCSD 686	(3)	Research Project 2
SCSD 701	(0)	Doctoral Comprehensive

##### Complementary Courses (6 credits)

Minimum of 6 credits of graduate-level statistics from courses such as:

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 684	(3)	Applied Multivariate Statistics
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 622	(3)	Scientific Communication
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

Any other course requirements specified for the student's individual program of study.

#### 10.11.6.8 Doctor of Philosophy (Ph.D.) Communication Sciences and Disorders: Language Acquisition

Students must satisfy all program requirements for the Ph.D. The Ph.D. thesis must be on a topic relating to language acquisition.

##### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

##### Required Courses (12 credits)

LING 710	(2)	Language Acquisition Issues 2
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 701	(0)	Doctoral Comprehensive
SCSD 712	(2)	Language Acquisition Issues 4

**Complementary Courses (6 credits)**

3 credits of graduate-level statistics from courses such as:

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their P.925 nvm((3))Tjdoj1m r 1 3r0 0 1renwill be7.52



### **Professors Post-Retirement**

S. Wood-Dauphinee; B.Sc.(Phys.Ther.), Dip.Ed., M.Sc.(A.), Ph.D.(McG.)

### **Associate Professors Post-Retirement**

B. Case; B.Sc., M.D.,C.M., M.Sc.(McG.), Dip.Occ.Hyg., F.R.C.P.(C)

### **Professors**

M. Abrahamowicz; Ph.D.(Cracow) (*James McGill Professor*)

J. Brophy; B.Eng.(McG.), M.Eng., M.D.(McM.), Ph.D.(McG.) (*joint appt. with Medicine*)

D. Buckeridge; M.D.(Qu.), M.Sc.(Tor.), Ph.D.(Stan.) (*CIHR Applied Public Health Chair*)

E.L.F. Franco; M.P.H., Dr.PH.(Chapel Hill) (*joint appt. with Oncology*) (*James McGill Professor*)

### Associate Professors

P. Tousignant; B.A., M.D.(Laval), M.Sc.(McG.), F.R.C.P.(C) (PT)

### Assistant Professors

J. Baumgartner; B.A.(Wisc.), M.Sc.(Harv.), Ph.D.(Wisc.) (*joint appt. with Institute of Health and Social Policy*) (*CIHR New Investigator*) (*William Dawson Scholar*)

S. Bhatnagar; B.Sc.(C' dia), M.Sc.(Qu.)

J. Chevrier; B.Sc., M.Sc.(Laval), Ph.D.(Calif., Berk.) (*Canada Research Chair*)

A. Daftary; B.Sc.(Manit.), M.Sc.P.H.(Col.), Ph.D.(Tor.) (*joint appt. with MUHC-RI*)

K. Dehghani; B.Sc.(SUNY), M.Sc.(N' western), M.D.(Tor.), M.Sc.P.H.(Harv.), C.C.F.P.(C), F.R.C.P.(C)

K. Filion; B.Sc., M.Sc., Ph.D.(McG.) (*joint appt. with Medicine*) (*CIHR New Investigator*)

D. Kaiser; B.Sc., M.D.,C.M., M.Sc.(McG.)

A. Koski; B.Sc.(Michigan Tech), MPH(Emory), Ph.D.(McG.)

M. Maheu-Giroux; B.Sc.(Montr.), M.Sc.(McG.), D.Sc.(Harv.)

S. Martin; M.D.(Tor.), M.Sc.(McG.) (PT)

D. Panagiotoglu; B.Sc.(Tor.), M.Sc.(Col.), Ph.D.(Br. Col.)

L. Patry; B.Sc., M.D.(Laval), F.R.C.P.(C) (PT)

F. Richer; B.Sc., M.D.(Ott.), M.Sc.(McG.), F.R.C.P.(C)

P. Saha Chaudhuri; B.Sc.(Presidency Univ.), M.Stat.(Indian Stat. Inst.), M.S., Ph.D.(Wash.)

C. Stich; M.Sc.(Free Univ., Berlin), Ph.D.(Free Univ., Berlin/Toulouse II)

G. Tan; D.Phil.(Oxf.) (PT)

S. Weichenthal; B.Sc., M.Sc., Ph.D.(McG.) (*joint appt. with Oncology*) (*Cancer Research Society/FRQ-S*)

S. Yang; B.A.(Ajou), M.Sc.(McG.), Ph.D.(Mich.)

### Associate Members

*Biomedical Ethics Unit:* J. Kimmelman, N. King

*Dentistry:* P. Allison, J. Feine

*Family Medicine:* A. Andermann, E. Robinson

*Geography:* N. Ross

## **Adjunct Professors**

*Asociación Civil Selva Amazónica Peru:* M. Casapia

*Boehringer Ingelheim GmbH:* D. Bartels

*Bristol-Myers Squibb Canada:* A.A. Tahami Monfared

*Caro Research:* J. Caro

*Concordia University:* P.E. Boileau



***section 10.11.7.4.3: Master of Science (M.Sc.) Epidemiology (Thesis) (48 credits)***

Applicants to the M.Sc. program should preferably hold a bachelor's degree in the natural sciences (e.g., chemistry, microbiology, human genetics), quantitative sciences (e.g., computer science, statistics), or social sciences (e.g., sociology, psychology, economics, geography), or hold a degree in one of the health professional sciences (e.g., medicine, nursing, social work, nutrition). Applicants must have an interest in health research, along with strong conceptual, analytic, and quantitative skills (e.g., differential and integral calculus, statistics) at the undergraduate level.

The program leading to a master's degree is designed to provide training in both theory and practice in the selected discipline. Courses require intellectual and academic rigour, and the program provides students with an opportunity to synthesize the training in the form of a thesis. Students will study the foundations and principles of epidemiology and applied biostatistics, in order to design, conduct, and analyze clinical, population-based, environmental, pharmaco-epidemiological, policy, and methodological health-related research. Graduates of the program often go on to do doctoral work or become research associates in public, private, and academic settings. McGill graduates are known for methodological and quantitative rigour, and quantitative analytic independence. While their core training is in methods, rather than specific substantive areas, students learn about substantive areas in the context of their research and through elective courses.

***section 10.11.7.4.4: Master of Science (M.Sc.) Epidemiology (Non-Thesis): Environmental & Occupational Health (48 credits)***

This program provides in-depth training in methods used in Environmental and Occupational Health (EOH) and the application of these methods to study the effects of environmental and occupational exposures on human health. Students will be provided with tools to critically evaluate studies in EOH and be able to participate in theshrmT4veurogram pro

#### *section 10.11.7.4.11: Doctor of Philosophy (Ph.D.) Epidemiology: Pharmacoepidemiology*

The Pharmacoepidemiology Option of the Ph.D. Program may be of interest to students from the natural or quantitative sciences (e.g., microbiology, computer science, biostatistics, statistics, economics), Public or Population Health, or Epidemiology, or who hold a degree in one of the health professional sciences (e.g., medicine, pharmacy). Applicants must have an interest in the epidemiology of medications, along with strong conceptual, analytic, and quantitative skills (e.g., differential and integral calculus, statistics) at the undergraduate level. The Pharmacoepidemiology Option prepares students with the advanced epidemiological research skills needed to undertake original contributions to new knowledge related to pharmacoepidemiology. The program is generally completed in four to five years. In addition to obtaining advanced training in the foundations and principles of epidemiology and applied biostatistics as part of the Ph.D. program, students in the Pharmacoepidemiology Option receive specialized training in pharmacoepidemiology, including advanced pharmacoepidemiologic methods, pharmacology for pharmacoepidemiologists, and practical experience in pharmacoepidemiology through their doctoral thesis. Graduates will be prepared to engage in scientific collaboration, and communicate results to other scientists and diverse audiences. They will go on to careers in pharmacoepidemiology in public, private, and academic settings. With a world-renowned reputation for excellence in pharmacoepidemiology, McGill-trained pharmacoepidemiologists are known for methodological and quantitative rigour, and quantitative analytic independence.

#### *section 10.11.7.4.12: Doctor of Philosophy (Ph.D.) Epidemiology: Population Dynamics*

The Population Dynamics Option (PDO) is a cross-disciplinary, cross-faculty graduate program offered by the *Centre on Population Dynamics* (CPD) as an option within existing master's and doctoral programs in the Departments of Sociology, Economics, and Epidemiology, Biostatistics and Occupational Health (EBOH) at McGill University. Students who have been admitted through their home department or faculty may apply for admission to the option. The option is coordinated by the CPD, in partnership with participating academic units.

Thus, in addition to the rigorous training provided in the Department of EBOH, graduate students who choose this option become *Centre on Population Dynamics* (CPD) student trainees. This affiliation offers opportunities for interdisciplinary research and supervision. The option also provides a forum whereby students bring their disciplinary perspectives together and enrich each other's learning through structured courses, a weekly seminar series, and informal discussions and networking.

With interdisciplinary research being increasingly important to understanding complex social and biological processes, CPD student trainees benefit from both a strong disciplinary foundation from their departmental affiliations, as well as from the sharing of knowledge across disciplinary boundaries through CPD activities.

#### **10.11.7.4.1 Public Health**

The Department offers a Master of Science in Public Health. Students apply the methods they learn to the study of diseases, clinical research, health services research, public health, program planning and evaluation, and policy development. Our faculty members are at the forefront of research in epidemiology, biostatistics, clinical medicine, biomedical informatics, public health, health economics, medical sociology, and health geography.

Faculty members in the Department draw on extensive contacts in the public health community locally, nationally, and internationally to facilitate practicum placements in many areas, including:

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*section 10.11.7.4.7: Master of Science (M.Sc.) Public Health (Non-Thesis): Global Health (60 credits)*

Students admitted to the M.Sc. degree in Public Health who have an interest in global health can receive additional recognition for completing the Global Health Option within their degree program. Students in the Global Health Option will undertake global health-dedicated coursework and the M.Sc. Public Health practicum requirement would be related to global health. This additional global health training will provide students with insight into the major global health challenges of today's world. For additional information, visit [www.mcgill.ca/globalhealth](http://www.mcgill.ca/globalhealth).

*section 10.11.7.4.8: Master of Science (M.Sc.) Public Health (Non-Thesis): Population Dynamics (60 credits)*

	Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens	Canadian citizens/Perm. residents of Canada	Current McGill Students (any citizenship)	Special, Visiting & Exchange Students
<b>Fall Term:</b>	Sept. 15	Dec. 15	Dec. 15	Dec. 15	April 30
<b>Winter Term:</b>	Feb. 15	N/A	N/A	N/A	Sept. 10
<b>Summer Term:</b>	N/A	N/A	N/A	N/A	N/A



EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology
EPIB 607	(4)	Inferential Statistics
EPIB 613	(1)	Introduction to Statistical Software
EPIB 621	(4)	Data Analysis in Health Sciences
PPHS 602	(3)	Foundations of Population Health
PPHS 612	(3)	Principles of Public Health Practice
PPHS 629D1	(1)	MScPH Forum 1
PPHS 629D2	(1)	MScPH Forum 1
PPHS 631*	(4)	MScPH Forum 2
PPHS 631D1	(2)	MScPH Forum 2
PPHS 631D2	(2)	MScPH Forum 2

\* with departmental permission only.

Note: Students take either PPHS 631 or PPHS 631D1/D2

### **Complementary Courses (12 credits)**

12 credits of coursework at the 500 level or higher, with a minimum of 3 credits chosen from each of the follow3o.i(w3o. lds:0 8.3 Tf1 0 0 1 67.52 492.267 5572EPIB 6

9 credits of coursework, at the 500 level or higher.

Students may choose to focus on more advanced methods in epidemiology, biostatistics, geography, etc. or substantive areas such as environmental or occupational health, or to select a variety of courses that will deepen their general knowledge of the disciplines that influence population and public health.

Courses will be selected with and approved by the Program's Academic Adviser.

**10.11.7.4.7 Master of Science (M.Sc.) Public Health (Non-Thesis): Global Health (60 credits)**

This option will provide enhanced training in global health to graduate students registered in the M.Sc. Public Health degree program at McGill. Students will become familiar with topics of global health relevance and incorporate this into their core coursework and practicum or project research. The practicum

**Population and Public Health Interventions (social and behavioural science)**

Health Care Systems in Comparati





PPHS 615	(3)	Introduction to Infectious Disease Epidemiology
SOCI 502	(3)	Sociology of Fertility
	(3)	Ethnicity & Public Policy

In addition to the Ph.D. requirements, students admitted to the Ph.D. in Epidemiology; Global Health de

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (25 credits)

EPIB 623	(3)	Research Design in Health Sciences
EPIB 639	(4)	Pharmacoepidemiologic Methods
EPIB 654	(2)	Pharmacoepidemiology 4
EPIB 661	(2)	Pharmacoepidemiology 3
EPIB 662	(1)	Pharmacological Basis of Pharmacoepidemiology
EPIB 701	(0)	Ph.D. Comprehensive Examination
EPIB 702	(0)	Ph.D. Proposal
EPIB 703	(2)	Principles of Study Design
EPIB 704	(4)	Doctoral Level Epidemiologic Methods 1
EPIB 705	(4)	Doctoral Level Epidemiologic Methods 2
EPIB 706	(3)	Doctoral Seminar in Epidemiology
EPIB 707	(3)	Research Design in Health Sciences

### Complementary Courses (3 credits)

3 credits of coursework in biostatistics at the 500 level or higher. Courses must be chosen in consultation with the student's supervisor and/or the degree program's director or adviser.

#### 10.11.74.12 Doctor of Philosophy (Ph.D.) Epidemiology: Population Dynamics

Students admitted to the Ph.D. in Epidemiology; Population Dynamics degree program with the equivalent of the M.Sc. in Epidemiology at McGill will be required to take a minimum of 31 credits of Ph.D. courses.

In addition to the Ph.D. requirements, students admitted to the Ph.D. in Epidemiology; Population Dynamics degree program without the equivalent of an M.Sc. in Epidemiology at McGill will, in their first year, have to complete required coursework equivalent to the Master's Epidemiology program, excluding thesis research course(s), as determined by the Department.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (22 credits)

EPIB 701	(0)	Ph.D. Comprehensive Examination
EPIB 702	(0)	Ph.D. Proposal
EPIB 703	(2)	Principles of Study Design
EPIB 704	(4)	Doctoral Level Epidemiologic Methods 1
EPIB 705	(4)	Doctoral Level Epidemiologic Methods 2
EPIB 706	(3)	Doctoral Seminar in Epidemiology
EPIB 707	(3)	Research Design in Health Sciences
SOCI 545	(3)	Sociology of Population
SOCI 626	(3)	Demographic Methods

### Complementary Courses (9 credits)

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9 credits of coursework, at the 500 level or higher, with a minimum of 3 credits in biostatistics, 3 credits in epidemiology, and 3 credits from courses approved for the Population Dynamics Option from the list below:

ECON 622	(3)	Public Finance
ECON 634	(3)	Economic Development 3
ECON 641	(3)	Labour Economics
ECON 734	(3)	Economic Development 4
ECON 741	(3)	Advanced Labour Economics
ECON 742	(3)	Empirical Microeconomics
ECON 744	(3)	Health Economics
EPIB 648	(3)	Methods in Social Epidemiology
EPIB 681	(3)	Global Health: Epidemiological Research
PPHS 525	(3)	Health Care Systems in Comparative Perspective
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 529	(3)	Global Environmental Health and Burden of Disease
PPHS 615	(3)	Introduction to Infectious Disease Epidemiology
SOCI 502	(3)	Sociology of Fertility
SOCI 512	(3)	Ethnicity & Public Policy
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 525	(3)	Health Care Systems in Comparative Perspective
SOCI 535	(3)	Sociology of the Family
SOCI 588	(3)	Biosociology/Biodemography

Courses must be chosen in consultation with the student's supervisor and/or the degree program's director or adviser.

#### 10.11.7.5 Biostatistics

Biostatistics involves the development and application of statistical methods to scientific research in areas such as medicine, epidemiology, public health, occupational and environmental health, genetics, and ecology. Biostatisticians play key roles in designing studies—from helping to formulate the questions that can be answered by data collection to the decisions on how best to collect the data—and in analyzing the resulting data. Our biostatistics faculty work in close collaboration with epidemiologists, clinicians, public health specialists, basic scientists, and other health researchers. They also develop new statistical methods for such data. Students will take courses, and may do research, on topics such as:

- generalized linear models;
- longitudinal data;
- mathematical statistics;
- causal inference;
- statistical methods for epidemiology;
- survival analysis.

The Department of Epidemiology, Biostatistics, and Occupational Health has one of the largest concentrations of Ph.D.-level statisticians in health sciences in any Canadian university. Faculty members may have funding available for students through their research grants. We provide rich research environments at five university-affiliated hospitals, public health agencies, and university research centres. Graduates pursue careers in academia, clinical settings, government agencies, NGOs, and industry.

#### *section 10.11.7.5.2: Master of Science (M.Sc.) Biostatistics (Thesis) (48 credits)*

M.Sc. Thesis students study a foundational set of courses, and write a thesis on a topic of their choice. Thesis students should have a strong interest in research. These students are well-placed to either continue in a Ph.D. program or to work in academic research in statistics or medicine; they will also have relevant qualifications for the pharmaceutical industry and government.



**Required Courses (24 credits)**

Students exempted from any of the courses listed below must replace them with complementary course credits, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

BIOS 601	(4)	Epidemiology: Introduction and statistical models
BIOS 602	(4)	Epidemiology: Regression Models
MATH 523	(4)	Generalized Linear Models
MATH 533	(4)	Honours Regression and Analysis of Variance
MATH 556	(4)	Mathematical Statistics 1
MATH 557	(4)	Mathematical Statistics 2

**10.11.7.5.3 Master of Science (M.Sc.) Biostatistics (Non-Thesis) (48 credits)**

Training in statistical theory and methods, applied data analysis, scientific collaboration, communication, and report writing by coursework and project.

**Research Project (6 credits)**

BIOS 630	(6)	Research Project/Practicum in Biostatistics
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**Required Courses (24 credits)**

Students ex

BIOS 601	(4)	Epidemiology: Introduction and statistical models
BIOS 602	(4)	Epidemiology: Regression Models
BIOS 624	(4)	Data Analysis & Report Writing
MATH 523	(4)	Generalized Linear Models
MATH 533	(4)	Honours Regression and Analysis of Variance
MATH 556	(4)	Mathematical Statistics 1
MATH 557	(4)	Mathematical Statistics 2

12 credits (chosen and approved in consultation with the student's academic adviser), at the 500 level or higher, in statistics/biostatistics.

6 credits (chosen and approved in consultation with the student's academic adviser), at the 500 level or higher, in related fields (e.g., epidemiology, social sciences, biomedical sciences).

### 10.11.8 Experimental Medicine

Please see [section 10.11.12: Medicine, Experimental](#) for more information.

### 10.11.9 Family Medicine

Please see [section 10.11.13: Medicine, Family](#) for more information.

### 10.11.10 Human Genetics

#### 10.11.10.1 Location

Department of Human Genetics  
Strathcona Anatomy & Dentistry Building  
3640 University Street, Room W-315  
Montreal QC H3A 0C7  
Canada  
Telephone: 514-398-4198  
Fax: 514-398-2430  
Email: [dept.humangenetics@mcgill.ca](mailto:dept.humangenetics@mcgill.ca)  
Website: [www.mcgill.ca/humangenetics](http://www.mcgill.ca/humangenetics)

#### Administration

Ross MacKay – *Student Affairs Advisor*

Email: [ross.mackay@mcgill.ca](mailto:ross.mackay@mcgill.ca)

Rimi Joshi – *Student Affairs Coordinator*

Email: [grad.hg@mcgill.ca](mailto:grad.hg@mcgill.ca)

#### 10.11.10.2 About Human Genetics

##### M.Sc. and Ph.D. Degrees in the Department of Human Genetics

The Department of Human Genetics offers a clinical master's program, M.Sc. in Genetic Counselling, as well as research training at both the M.Sc. and Ph.D. levels in Human Genetics. Both the M.Sc. and Ph.D. in Human Genetics research programs require the completion of a thesis, which is the major focus of the student's effort. A minimal amount of coursework is required, but specific course choices are flexible and vary according to the student's previous training and current research interest.

Most of the faculty members of the Human Genetics Department are located in McGill teaching hospitals, reflecting the medically learned knowledge at the core of human genetic studies.

Faculty members have a wide variety of research interests, which embrace:



- cancer genetics;
- cytogenetics;
-

**section 10.11.10.8: Master of Science (M.Sc.) Genetic Counselling (Non-Thesis) (48 credits)**

The M.Sc. in Genetic Counselling program provides the academic foundation and clinical training required for the contemporary practice of genetic counselling. Genetic counsellors are health professionals who provide information and support to families who have members with birth defects or genetic disorders and to families who may be at risk for a variety of inherited conditions. Genetic counsellors investigate the problem present in the family, analyze inheritance patterns and risks of recurrence, and review available options with the family. Some counsellors also work in administrative and academic capacities, and many engage in research activities.

The curriculum includes a variety of required courses in human genetics and other departments, and 40 weeks of supervised clinical training spread over four semesters. Graduates will be eligible to sit for both the Canadian Association of Genetic Counsellors and the American Board of Genetic Counselling certification examinations. Upon completion of the M.Sc. in Genetic Counselling program, students will demonstrate competence in, or satisfactory knowledge of: principles of human genetics, including cytogenetics, biochemical, molecular, and population genetics; methods of interviewing and counselling, and the dynamics of human behaviour in relation to genetic disease; and social, legal, and ethical issues in genetics. Enrolment will be limited to four students.

**section 10.11.10.9: Doctor of Philosophy (Ph.D.) Human Genetics**

The Department of Human Genetics provides a unified curriculum of study in genetics. Areas of specialization include: biochemical genetics, genetics of development, animal models of human diseases, cancer genetics, molecular pathology, gene therapy, genetic dissection of complex traits, genetics of infectious and inflammatory diseases, non-mendelian genetics, bioinformatics, behavioural genetics, neurogenetics, bioethics, and genomics. Many of our faculty hold cross-appointments in various departments (including: biochemistry, biology, cardiology, medicine, microbiology, immunology, neurology, pathology, paediatrics, pharmacology, psychiatry) within the Faculties of Science and Medicine. This enables numerous opportunities for interdisciplinary research and collaboration. The Department conducts research on all sites of the McGill University Health Centre (MUHC), the Montreal Neurological Institute and Hospital, the McGill Life Sciences Complex, the *McGill University & Genome Quebec Innovation Centre*, the Biomedical Ethics Unit, and the *Centre for Genomics and Policy*.

**section 10.11.10.10: Doctor of Philosophy (Ph.D.) Human Genetics: Bioinformatics**

*This program is currently not offered.*

Students successfully completing the Bioinformatics option at the Ph.D. level will be fluent in the concepts, language, approaches, and limitations of the field and have the capability of developing an independent Bioinformatics research program. Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases, and the use of algorithms and statistics.

**Enrolment in the Bioinformatics option can only be approved after a student has been admitted into the Department. There is an agreement for the option that must be signed by the student, supervisor, and Department, and enrolment in the option is subject to space availability and other constraints that the Department cannot assess at the time of admission. For more information, please contact the Graduate Program Coordinator.**

**10.11.10.3 Human Genetics Admission Requirements and Application Procedures****10.11.10.3.1 Admission Requirements****M.Sc. in Genetic Counselling****Prerequisites:**

- Bachelor's or medical degree – minimum cumulative grade point average (CGPA) of 3.0 out of 4.0, or 3.2 out of 4.0 in the last two full-time academic years;
- Recent (within the past five years) university-level courses in molecular/cell biology, biochemistry, advanced genetics (preferably human), statistics, and a minimum of two courses in psychology;
- Some experience (either paid or volunteer) working with adults in a counselling or advisory capacity, ideally in a crisis setting.

For detailed information, visit the [Genetic Counselling Program website](#).

**M.Sc. and Ph.D. in Human Genetics****Prerequisites:**

- B.Sc. – minimum CGPA of 3.2 out of 4.0;
- A minimum of 6 credits in cellular and molecular biology or biochemistry, 3 credits in mathematics or statistics, and 3 credits in genetics.

Admission is based on acceptance by a *research supervisor*, confirmed *funding* for the duration of the academic program, and an online application form evaluated by the Graduate Training Committee.

Prospective graduate students should complete the online application form and indicate the name of the secured research supervisor.

For detailed information, visit the [Human Genetics program website](#).

**Language Requirements**

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit a *TOEFL* or IELTS test score to McGill University. Minimum scores of 600 on the TOEFL paper-based test, 250 on the computer-based test or 100 on the Internet-based test are required. Each component or subsection score requires a minimum score of 20. On the IELTS the minimum standard for consideration is 7.



**Note:** TOEFL scores must be sent electronically by the testing agency to McGill University using our institution code of 0935. Scanned copies of results or hard copies sent in the mail will not be entered as received in your application. IELTS scores also must be submitted electronically by the test centre to McGill University.

### 10.11.10.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

### 10.11.10.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Human Genetics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

M.Sc. Genetic Counselling program* (Non-Thesis)				
Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

M.Sc. (Thesis) and Ph.D. Human Genetics programs				
Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	March 31	March 31	March 31
<b>Winter Term:</b>	Feb. 15	Sept. 10	Sept. 10	Sept. 10
<b>Summer Term:</b>	May 15	Jan. 15	Apr. 1	Apr. 1

Applications for thesis programs submitted after these deadlines may be considered, if a suitable supervisor can be secured. However, these applications will not be considered for departmental funding or entrance awards.

\* The **M.Sc. Genetic Counselling program** accepts applications for the Fall term only. **No late applications or applications for Summer or Winter terms for the Genetic Counselling program will be considered under any circumstances.**

### 10.11.10.4 Human Genetics Faculty

#### Chair

E.A. Shoubridge

#### Program Directors

J. Fitzpatrick – *M.Sc. in Genetic Counselling*

A. Ryan – *M.Sc. and Ph.D. in Human Genetics*

#### Emeritus Professors

F. Kaplan; B.A.(Col.), Ph.D.(McG.)

**Emeritus Professors**

K. Morgan; Ph.D.(Mich.)  
 L. Pinsky; M.D.(McG.)  
 C. Scriver; B.A., M.D.,C.M.(McG.)

**Professors**

E. Andermann; M.Sc., Ph.D., M.D.,C.M.(McG.) (*Neurology and Neurosurgery*)  
 B. Brais; M.D.,C.M., Ph.D.(McG.) (*Neurology and Neurosurgery*)  
 W. Foulkes; B.Sc., MB.BS., Ph.D.(Lond.) (*Medicine*)  
 B. Knoppers; Ph.D.(Paris IV), Ad.E., O.C. (*Director, Centre of Genomics and Policy*)  
 M. Lathrop; B.Sc., M.Sc.(Alta.), Ph.D.(Wash.) (*Director, McGill University-Genome Quebec Innovation Centre*)  
 D. Malo; D.U.M., M.Sc.(Montr.), Ph.D.(McG.) (*William Dawson Scholar*) (*Medicine*)  
 R. McInnes; C.M.,M.D., Ph.D., F.R.S.C.(McG.) (*Alva Chair in Human Genetics*) (*Director, Lady Davis Research Institute*)  
 R. Palmour; B.A.(Texas W.), Ph.D.(Texas) (*Psychiatry and Biology*)  
 D. Radzioch; M.Sc., Ph.D.(Jagiellonian, Krakow) (*Medicine*)  
 D.S. Rosenblatt; M.D.,C.M.(McG.) (*Medicine, Pediatrics, and Biology*)  
 R. Rozen; B.Sc., Ph.D.(McG.) (*Pediatrics and Biology*)  
 E. Schurr; M.Sc., Ph.D.(Albert-Ludwigs, Freiburg) (*Medicine*)  
 E.A. Shoubridge; B.Sc., M.Sc.(McG.), Ph.D.(Br. Col.) (*Neurogenetics*)  
 R. St-Arnaud; B.Sc.(Montr.), Ph.D.(Laval) (*Surgery*)  
 P. Tonin; B.Sc., M.Sc., Ph.D.(Tor.) (*Medicine*)  
 J. Trasler; M.D.,C.M., Ph.D.(McG.) (*William Dawson Scholar*) (*Pathology and Pediatrics*)  
 S. Vidal; Ph.D.(Genève) (*Medicine*)

**Associate Professors**

A. Ao; Ph.D.(UCL)  
 G. Bourque; B.Sc.(Montr.), M.A., Ph.D.(USC) (*Genome Quebec*)  
 N. Braverman; B.Sc.(Cornell), M.Sc.(Sarah La *pediatrics*)  
 K. Dewar; Ph.D.(Laval) (*Genome Quebec*)  
 Y. Joly; Ph.D.(McG.) (*Centre of Genomics and Policy*)  
 J. Majewski; B.Sc., M.Sc.(Stan.), Ph.D.(Wesl.)  
 P. Moffatt; Ph.D.(Montr.) (*Pharmacology*)  
 R. Nadon; B.A., M.A., Ph.D.(C'dia)  
 I. Ragoussis; Ph.D.(Tübingen)  
 L. Russell; B.A., M.D.(Ind.) (*Pediatrics*)  
 A. Ryan; Ph.D.(Qu.)  
 R. Sladek; B.A.Sc., M.D.(Tor.)  
 R. Slim; M.Sc.(LebT;nse), M.Sc., Ph.D.(Paris VII)  
 Y. Yamanaka; Ph.D.(Osaka) (*Goodman Can2.r Research Centre*)

**Assistant Professors**

D. Buhas; M.D.(Craiova) (*Montreal Children's Hospital*)  
 L. Cartier; B.Sc., M.Sc.(McG.)  
 G. Chong; Ph.D.(Kansas State)  
 C. Crist; B.Sc.(Br. Col.), M.Sc., Ph.D.(Tokyo)

**Assistant Professors**

M-D. D'Agostino; M.D., M.Sc., F.R.C.P.C.  
 I. De Bie; M.D.(Laval), Ph.D.(McG.) (*Montreal Children's Hospital*)  
 J. Fitzpatrick; M.S.(Mich.) (*Pediatrics and Medicine*)  
 S. Gravel; Ph.D.(Physics)(Cornell) (*Numerical methods*)  
 C. Kleinman; Ph.D.(Montr.) (*Bioinformatics*)  
 D. Langlais; Ph.D.(Montr.)  
 B. Mucha-Le Ny; M.D.(Freiburg)  
 H. Najafabadi; Ph.D.(Montr.) (*Genome Innovation Centre*)  
 L-C. Palma; M.Sc.  
 I. Ragoussis; Ph.D.(Tübingen) (*Genome Innovation Centre*)  
 Y. Riaz Alhosseini; Ph.D.(Heidel.) (*Genome Quebec*)  
 J.P. Riviere; Ph.D.(Montr.) (*RI MUHC*)  
 A. Ruchon; Ph.D.(Montr.) (*Biomedical Sciences*)  
 V. Soleimani; Ph.D.(Ott.) (*Jewish General Hospital*)  
 Y. Trakadis; M.D.(Montr.) (*Montreal Children's Hospital*)  
 L. Walsh; Ph.D.(W. Ont.)

**Lecturers**

N. Anoja (*Medicine*)  
 L. Baret (*Medicine*)  
 C. Bascunana (*Medicine*)  
 K-E. Canales (*Medicine*)  
 S. Drury (*Pediatrics*)  
 S. Fox (*Medicine*)  
 L. Kasprzak (*Medicine*)  
 M. Lalous (*Medicine*)  
 L. Macrae (*Medicine*)  
 L. Palma (*Medicine*)  
 M. Richard (*Pediatrics*)  
 G. Sillon (*Medicine*)  
 L. Whelton (*Medicine*)  
 N. Wong (*Medicine*)  
 S. Zaor (*Medicine*)

**Adjunct Professors**

C-M. Chisholm (*Children's Hospital of Eastern Ontario*)  
 T. Chiu (*Children's Hospital of Eastern Ontario*)  
 M. Cloutier (*Children's Hospital of Eastern Ontario*)  
 E. Creede (*Children's Hospital of Eastern Ontario*)  
 D. Gauquier (*Cordeliers Research Centre*)  
 C. Goldsmith (*Children's Hospital of Eastern Ontario*)  
 B. Gottlieb (*Medicine*)  
 E-L. Grundberg (*The Children's Mercy Hospital*)

**Adjunct Professors**

V.A. Hastings (*Children's Hospital of Eastern Ontario*)

L. Higgins (*Childr's Hospital of Eastern Ontario*)

HGEN 670	(3)	Advances in Human Genetics 1
HGEN 671	(3)	Advances in Human Genetics 2
HGEN 690	(3)	Inherited Cancer Syndromes
HGEN 691	(3)	Host Responses to Pathogens
HGEN 693	(3)	Using Bioinformatics Resources
HGEN 695	(3)	Psychiatric Genetics
HGEN 696	(3)	Advanced Readings in Genetics 1
HGEN 697	(3)	Advanced Readings in Genetics 2
HGEN 698	(3)	Advanced Readings in Genetics 3
HGEN 699	(3)	Advanced Readings in Genetics 4

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

#### 10.11.10.6 Master of Science (M.Sc.) Human Genetics (Thesis): Bioinformatics (45 credits)

\*\* This program is currently not offered. \*\*

##### Thesis Courses (33 credits)

HGEN 680	(9)	M.Sc. Thesis Research 1
HGEN 681	(12)	M.Sc. Thesis Research 2
HGEN 682	(12)	M.Sc. Thesis Research 3

##### Required Courses (6 credits)

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
HGEN 692	(3)	Human Genetics

##### Complementary Courses (6 credits)

6 credits from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

#### 10.11.10.7 Master of Science (M.Sc.) Human Genetics (Thesis): Bioethics (45 credits)

##### Thesis Courses (30 credits)

30 credits selected as follows:

HGEN 681	(12)	M.Sc. Thesis Research 2
HGEN 682	(12)	M.Sc. Thesis Research 3
HGEN 683	(6)	M.Sc. Thesis Research 4

##### Required Courses (12 credits)

12 credits from:

BIOE 680	(3)	Bioethical Theory
BIOE 681	(3)	Bioethics Practicum
HGEN 662	(3)	Laboratory Research Techniques
HGEN 692	(3)	Human Genetics

**Complementary Courses (3 credits)**

3 credits from the following:

BIOE 682	(3)	Medical Basis of Bioethics
CMPL 642	(3)	Law and Health Care
PHIL 643	(3)	Seminar: Medical Ethics
RELG 571	(3)	Ethics, Medicine and Religion

**10.11.10.8 Master of Science (M.Sc.) Genetic Counselling (Non-Thesis) (48 credits)**

**Required Courses (48 credits)**

3)



Courses are to be chosen from the list below and/or from among 500-, 600-, or 700-level courses offered in the Faculties of Medicine and Science.

HGEN 660	(3)	Genetics and Bioethics
HGEN 661	(3)	Population Genetics
HGEN 663	(3)	Beyond the Human Genome
HGEN 690	(3)	Inherited Cancer Syndromes
HGEN 691	(3)	Host Responses to Pathogens
HGEN 693	(3)	Using Bioinformatics Resources
HGEN 695	(3)	Psychiatric Genetics
HGEN 696	(3)	Advanced Readings in Genetics 1
HGEN 697	(3)	Advanced Readings in Genetics 2
HGEN 698	(3)	Advanced Readings in Genetics 3
HGEN 699	(3)	Advanced Readings in Genetics 4

Students are restricted to taking the following courses:

HGEN 670	(3)	Advances in Human Genetics 1
HGEN 671	(3)	Advances in Human Genetics 2

Note: The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate.

#### **10.11.10.10 Doctor of Philosophy (Ph.D.) Human Genetics: Bioinformatics**

\*\* This program is currently not offered. \*\*

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### **Required Courses (6 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
HGEN 692	(3)	Human Genetics
HGEN 701	(0)	Ph.D. Comprehensive Examination

#### **Complementary Courses (6 credits)**

\* Two courses from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

\* Note: Students who enter in Ph.D. 1 will need to take an additional 6 credits of complementary courses chosen from the departmental offerings listed for the Ph.D. in Human Genetics and/or from among 500-, 600-, or 700-level courses in the Faculties of Medicine or Science.

## **10.11.11 Medical Physics**

### **10.11.11.1 Location**

Medical Physics Unit, DS1-7129  
McGill University Health Centre – Glen Site  
Cedars Cancer Centre  
1001 Décarie Boulevard  
Montreal QC H4A 3J1  
Telephone: 514-934-1934 ext. 44158  
Fax: 514-934-8229  
Email: [marg](mailto:marg)

### 10.11.11.3 Medical Physics Admission Requirements and Application Procedures

#### 10.11.11.31 Admission Requirements

Candidates applying to the M.Sc. program must normally hold a B.Sc. degree (honours or major) in Physics or Engineering, with a minimum CGPA of 3.0 out of 4.0.

#### 10.11.11.32 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures. Further information regarding the application procedures is available on the [Medical Physics Unit website](#).

Only complete applications will be considered.



**Note:** When completing the online application, the following information should be entered in the “Application” section to ensure that the application is routed to the correct department:

Under **Program choice**:

“Application type” = Ires is a

Application Opening Dates		Application Deadlines		
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

#### 10.11.11.4 Medical Physics Faculty

##### Director

J. Seuntjens

##### Emeritus Professor

S.M. Lehnert; B.Sc.(Nott.), M.Sc., Ph.D.(Lond.) 0

## Adjunct Professors

E. Soisson; M.Sc., Ph.D.(Wisc.)

### **10.11.11.5 Master of Science (M.Sc.) Medical Radiation Physics (Thesis) (52 credits)**

The M.Sc. program in Medical Radiation Physics provides candidates with the knowledge required to enter into the field of medical physics. The program relies on a strong fundamental science background and enables candidates to undergo further training through a clinical residency program or to further adv



**section 10.11.12.9: Doctor of Philosophy (Ph.D.) Experimental Medicine: Environment**

Applicants to the Ph.D. Environment Option must meet the same qualifications as those for the M.Sc. Environment Option, the only difference being that they must hold an M.Sc. rather than simply a B.Sc. For further details, please see the section above regarding the M.Sc. Environment Option.

**section 10.11.12.10: Graduate Diploma (Gr. Dip.) Clinical Research (30 credits)**

The objectives of this program are to give students exposure to both theoretical and practical issues relevant to the conception and conduct of a clinical research study, as well as allowing them to put these principles in practice by participating in an ongoing clinical trial. The core element of the diploma is the Practicum in Clinical Research. It is an active “clerkship” or “intern/resident-type” participation in an ongoing clinical trial and/or research program. Six 1-credit workshops will be provided by experts in the academic, industrial, and government sectors, and cover wide-ranging issues pertinent to the conduct of clinical research. The training provided qualifies students to manage and design clinical research studies in both academic and industrial settings.

**10.11.12.3 Medicine, Experimental Admission Requirements and Application Procedures**

**10.11.12.3.1 Admission Requirements**

**M.Sc. or Ph.D. in Experimental Medicine**

Admission to graduate studies and research in Experimental Medicine is no longer solely restricted to students who wish to register for the Ph.D. degree. Candidates who hold only an undergraduate degree in the medical and allied sciences (B.Sc. degree or an M.D. degree), must apply to the M.Sc. program, unless they have an undergraduate CGPA of 3.5 or more out of a possible 4.0, in which case they may apply for direct entry into the Ph.D. if they so desire. Candidates who already hold an M.Sc. apply directly to the Ph.D. program.

Admission is based on an evaluation by the Admissions Committee, which looks for evidence of high academic achievement, and on acceptance by a research director. All students must be financially supported either by their supervisor or through studentships or fellowships.

In addition to the documentation currently required by Graduate and Postdoctoral Studies, a letter from the candidate's research director outlining the M.Sc. or Ph.D. project is necessary.

**M.Sc. (Bioethics Option)**

Admission to the master's program in Bioethics, from the base discipline of Medicine, is limited to students having degrees in Medicine, Nursing, or Physical and Occupational Therapy, as well as any other professional health training degree. Students who do not fit these criteria may be considered for admission on an individual basis.

For requirements, application deadlines, and further information regarding this program, please refer to the Bioethics entry or visit the [Biomedical Ethics Unit website](#).

**M.Sc. (Environment Option)**

Although the requirements and application deadlines remain the same as the M.Sc., applicants wishing to apply to the Master's program (Environment Option) must submit additional documents that constitute their application to BOTH the Division of Experimental Medicine and the McGill School of Environment. Further information can be found on the [School of Environment website](#).

Students in the M.Sc. in Experimental Medicine may choose to transfer to the Environment Option; interested students should refer to the departmental website or contact the Student Affairs Office at 1.550.597.4111 or 1.550.597.4112 (F6 177.673101cearch)Tc/F1 8.1 T





**Professors**

D. Goltzman; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)  
 S.A. Grover; B.A.(Roch.), M.D.,C.M.(McG.), M.P.A.(Harv.), F.R.C.P.(C)  
 Q.A. Hamid; M.D.(Mosul, Iraq.), Ph.D.(Lond.)  
 J. Henderson; B.Sc., Ph.D.(McG.)  
 G. Hendy; B.Sc.(Sheff.), Ph.D.(Lond.)  
 L.J. Hoffer; B.Sc., M.D.,C.M.(McG.), Ph.D.(MIT)  
 S. Hussain; M.D.(Baghdad), Ph.D.(McG.)  
 A.C. Karaplis; B.Sc., M.D., Ph.D.(McG.)  
 R. Kremer; M.D., Ph.D.(Paris VI)  
 A.-M. Lauzon; B.Sc., M.Sc., Ph.D.(McG.)  
 C. Liang; B.Sc., Ph.D.(Nankai)  
 J.-J. Lebrun; B.Sc., M.Sc.(Rennes), Ph.D.(Paris V)  
 M.S. Ludwig; M.D.(Manit.), F.R.C.P.(C)  
 S. Magder; M.D.(Tor.), F.R.C.P.(C)  
 D. Malo; D.V.M., M.Sc.(Montr.), Ph.D.(McG.)  
 O.A. Mamer; B.Sc., Ph.D.(Windsor)  
 A. J. Marelli; B.Sc.(McG.), M.D.(Montr.)  
 J. Martin; B.Sc., M.B., B.Ch., M.D.(Cork), F.R.C.P.(C)  
 W.H. Miller; A.B.(Princ.), Ph.D.(Rock.), M.D.(Cornell)  
 A. Mouland; B.A., B.Sc., Ph.D.(McG.)  
 W.J. Muller; B.Sc., Ph.D.(McG.)  
 A. Nepveu; B.Sc., M.Sc.(Montr.), Ph.D.(Sher.)  
 T. Nilsson; B.Sc., Ph.D.(Uppsala)  
 M. Olivier; B.Sc., M.Sc.(Montr.), Ph.D.(McG.)  
 L. Panasci; B.Sc., M.D.(G'town)  
 K. Pantopoulos; B.Sc., Ph.D.(Aristotelian, Greece)  
 M. Park; B.Sc., Ph.D.(Glas.)  
 B.J. Petrof; M.D.(Laval)  
 L. Pilote; M.D.,C.M.(McG.), M.Sc.(Harv.), Ph.D.(Calif.)  
 M.N. Pollak; M.D.,C.M.(McG.), F.R.C.P.(C)  
 P. Ponka; M.D., Ph.D.(Charles Univ., Prague)  
 B. Posner; M.D.(Manit.), F.R.C.P.(C)  
 W.S. Powell; B.A.(Sask.), Ph.D.(Dal.)  
 S. Rabbani; M.B.B.S.(King Edward Med. Coll., Lahore)  
 D. Radzioch; M.Sc., Ph.D.(Jagiellonian, Cracow)  
 S. Richard; B.Sc., Ph.D.(McG.)  
 J.-P. Routy; B.Sc., M.D., Ph.D.(Aix-Marseille)  
 D. Sasseville; M.D.(Laval), F.R.C.P.(C)  
 E. Schiffrin; M.D.(Buenos Aires), Ph.D.(McG.)  
 E. Schurr; Diplom., Ph.D.(Al. Ludwigs U., Freiburg)  
 A. Schwertani; D.V.M.(Baghdad), M.D., Ph.D.(Lond.)  
 D. Sheppard; M.D.(Tor.), F.R.C.P.(C)

**Professors**

A.D. Sniderman; M.D.(Tor.)  
 M.M. Stevenson; B.A.(Hood), M.Sc., Ph.D.(Catholic U. of Amer.)  
 T. Takano; M.D., Ph.D.(Tokyo)  
 D.M.P. Thomson; M.D.(W. Ont.), Ph.D.(Lond.), F.R.C.P.(C)  
 P. Tonin; B.Sc., M.Sc., Ph.D.(Tor.)  
 M. Trifiro; B.Sc., M.D.,C.M.(McG.)  
 C. Tsoukas; B.Sc.(McG.), M.Sc.(Hawaii), M.D.(Athens), F.R.C.P.(C)  
 B.J. Ward; M.D.,C.M.(McG.), M.Sc.(Oxf.), F.R.C.P.(C)  
 J. White; B.Sc., M.Sc.(Car.), Ph.D.(Harv.)  
 S. Wing; B.Sc., M.Sc.(McG.)  
 X.-J. Yang; B.Sc.(Zhejiang), Ph.D.(Shanghai)

**Associate Professors**

D. Baran; M.D.,C.M.(McG.), F.R.C.P.(C)  
 N. Bernard; B.Sc.(McG.), Ph.D.(Duke)  
 V. Blank; B.Sc., M.Sc.(Konstanz, Germany), Ph.D.(Inst. Pasteur)  
 M. Blostein; M.D.,C.M.(McG.)  
 P. Brassard; B.Sc., M.D.(Montr.), M.Sc.(McG.), F.R.C.P.(C)  
 L. Chalifour; B.Sc., Ph.D.(Manit.), M.A.(Harv.)  
 S.R. Cohen; B.Sc., M.Sc., Ph.D.(McG.)  
 D. Cournoyer; M.D.(Sher.), F.R.C.P.(C)  
 K. Dasgupta; B.Sc.(PEI), M.D.,C.M., M.Sc.(McG.)  
 S. Daskalopoulou; M.D.(Athens)  
 J.C. Engert; B.A.(Colby), Ph.D.(Boston)  
 V. Essebag; M.D.,C.M., M.Sc., Ph.D.(McG.), F.R.C.P.(C)  
 E. Fixman; B.Sc.(Col.), Ph.D.(Johns Hop.)  
 B. Gilfix; B.Sc.(Manit.), Ph.D.(W. Ont.), M.D.,C.M.(McG.), F.R.C.P.(C)  
 S.B. Gottfried; M.D.(Penn.)  
 T. Jagoe; B.A., M.D.(Camb.), Ph.D.(Newcastle, UK), F.R.C.P.(C)  
 B. Jean-Claude; B.Sc., M.Sc.(Moncton), Ph.D.(McG.)  
 M. Kokoeva; B.Sc.(Lomonosov Moscow), Ph.D.(Acad. of Sci., Moscow)  
 A. Kristof; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)  
 P. Laneuville; B.Sc.(McM.), M.D.(Ott.), F.R.C.P.(C)  
 S. Laporte; B.Sc., M.Sc., Ph.D.(Sher.)  
 L. Larose; B.Sc., Ph.D.(Montr.)  
 S. Lehoux; B.Sc.(Bishop's), Ph.D.(Sher.)  
 S. Lemay; M.D.(Montr.), F.R.C.P.(C)  
 R. Lin; B.Sc., B.Sc.(Xiamen), M.Sc.(Peking Union), Ph.D.(C' dia)  
 M. Lipman; M.D.,C.M.(McG.), F.R.C.P.(C)  
 J.-L. Liu; B.Sc., M.Sc.(Beijing), Ph.D.(McG.)  
 J.A. Morais; M.D.(Montr.), F.R.C.P.(C)  
 S. Morin; B.Sc., M.D.(Laval), M.Sc.(McG.)

### Associate Professors

M. Murshed; M.Sc.(Brussels), Ph.D.(Cologne)  
A.C. Peterson; B.Sc.(Vic., BC), Ph.D.(Br. Col.)  
S. Qureshi; B.Sc., M.D.(Alta.), F.R.C.P.(C)  
J. Rauch; B.Sc., Ph.D.(McG.)  
C. Rocheleau; B.A.(Assum. Coll.), Ph.D.(Mass.)  
S. Rousseau; B.Sc., M.Sc., Ph.D.(Laval)  
M. Saleh; B.Sc., M.Sc.(Beirut), Ph.D.(McG.)  
C. Seguin; B.Sc.(McG.), M.D.(Montr.), F.R.C.P.(C)  
P. Siegel; B.Sc., Ph.D.(McM.)  
R. Sladek; B.Sc., M.D.(Tor.), F.R.C.P.(C)  
G. Thanassoulis; B.Sc., M.Sc.(McG.), M.D.(Tor.), F.R.C.P.(C)  
E. Torban; B.Sc.(Moscow St. Inst. of Food Ind.), M.Sc.(Moscow Inst. of Genetics of Microorganisms), Ph.D.(McG.)  
B. Turcotte; B.Sc., Ph.D.(Laval)

### Assistant Professors

J. Afilalo; M.D.,C.M., M.Sc.(McG.), F.R.C.P.(C)  
R. Aloyz; B.A., M.Sc., Ph.D.(Buenos Aires)  
A. Baass; B.Sc.(McG.), M.D., M.Sc.(Montr.), F.R.C.P.(C)  
C. Baglolle; B.Sc., M.Sc.(PEI), Ph.D.(Calg.)  
I. Colmegna; M.Sc.(El Salvador)  
C. Costiniuk; B.A.(Western), B.Sc.(Nfld.), M.D.(McM.), M.Sc.(Ott.)  
M. Divangahi; B.Sc.(McM.), Ph.D.(McG.)  
N. Johnson; B.Sc.(C' dia), M.D.(Ott.), Ph.D.(Br. Col.), F.R.C.P.(C)  
M. Kaminska; B.Sc., M.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)  
I. Litvinov; B.Sc., B.A.(Kent'y), Ph.D.(Johns Hop.), M.D.,C.M.(McG.)  
B. McDonald Smith; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)  
E. Nashi; B.Sc., M.D.(Alta.), M.Sc.(McG.), Ph.D.(Northshore Medical Ctr.), F.R.C.P.(C)  
M. Ndao; B.Sc., D.V.M.(Senegal), M.Sc., Ph.D.(Belgium)  
D. Nguyen; M.D.,C.M.(McG.), F.R.C.P.(C)  
S. Pamidi; B.Sc.(McG.), M.D.(Tor.), M.Sc.(McG.)  
M. Paliouras; B.Sc.(Tor.), M.Sc.(Flor.), Ph.D.(McG.)  
M. Sebag; B.Sc., Ph.D.(McG.), M.D.(Tor.), F.R.C.P.(C)  
G. Sebastiani; M.D.(Padova)  
D.C. Vinh; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)

### Associate Members, McGill

B. Abdulkarim, H. Abenheim, M. Basik, M. Ben-Shoshan, D. Boivin, M. Bouchard, P. Brodt, K. Brown, S. Chevalier, R.-C. Chian, H. Clarke, T. Coderre, L. Diatchenko, T. Duchaine, D. Dufort, C. Ells, K. Eppert, M. Fabian, L. Ferri, C. Goodyer, P. Goodyer, W. Gotlieb, I. Gupta, A. Haidar, M. Hunt, N. Jabado, A. Jahani-Asl, D. Juncker, M. Kaartinen, A. Khoutorsky, J. Kimmelman, A. Koromilas, D. Labbé, L. Lands, J. Lapointe, B. Lo, C. Loiselle, C.

**Associate Members, Université de Montréal**

J. Archambault, M. Cayouette, F. Charron, E. Cohen, C.F. Deschepper, J.M. Di Noia, J. Drouin, J. Estall, M. Ferron, N. Francis, H. Gu, J. Gutkowska, D. Hipfner, P. Jolicoeur, A. Kania, M. Kmita, E. Lecuyer, T. Moroy, F. Ni, M. Oeffinger, R. Rabasa-Lhoret, E. Racine, N. Seidah, W.-K. Suh, H. Takahashi, M. Trudel, W.Y. Tsang, J. Vacher, A. Veillette, C. Wu, J. Zwaagstra

**10.11.12.5 Master of Science (M.Sc.) Experimental Medicine (Thesis) (45 credits)**

**Thesis Courses (36 credits)**

24-36 credits selected from the following:

EXMD02 736 credits)6 0 0 1 (70.52 603.541.8a Master Thesis 0 0 1 70.52 603.541.72.10 aster'736 cre2its)12 0 0 1 70.52 603.541.Tm38 aster'736 cre3its)12 0 0

**Required Courses (6 credits)**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3

**Complementary Courses (15 credits)**

3 credits from one of the following courses\*:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

\* or another course at the 500, 600, or 700 level recommended by the Advisory Committee and approved by the Environment Option Committee.

12 credits of courses at the 500, 600, or 700 level chosen in consultation with the student's academic supervisor.

**10.11.12.8 Doctor of Philosophy (Ph.D.) Experimental Medicine**

A minimum of 12 course credits is required for students entering the program with a prior master's degree. Students having only a B.Sc. or M.D. degree and who have been either admitted directly or fast-tracked to the Ph.D. must complete a total of 18 credits. The following courses are highly recommended: EXMD 604D1/D2 Recent Advances in Cellular and Molecular Biology; EXMD 610 Biochemical Methods in Medical Research.

After consultation with their research supervisor and the Director of the Division, students may choose their courses from those offered by Experimental Medicine, Physiology, and Biochemistry, as well as other graduate and advanced undergraduate courses in the medical and allied sciences. Where necessary, students may enrol for credit in courses offered in the physical and mathematical sciences.

**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses**

EXMD 701D1	(0)	Comprehensive Oral Examination
EXMD 701D2	(0)	Comprehensive Oral Examination

**Complementary Courses (18 credits)**

(12-18 credits)

A minimum of 12 course credits is required for students entering the program with a prior master's degree. Students ha



Telephone: 514-399-9103  
Fax: 514-398-4202  
Email: [graduateprograms.fammed@mcgill.ca](mailto:graduateprograms.fammed@mcgill.ca)  
Website: [www.mcgill.ca/familymed/education/graduate-programs](http://www.mcgill.ca/familymed/education/graduate-programs)

### 10.11.13.2 About Family Medicine

The McGill Family Medicine Department is home to an exceptional community of health care professionals, researchers, students, and support staff, whose mission is to contribute to the health of the population and the sustainability of the health care system in Quebec, in Canada, and internationally by:

- training medical students, residents, and other health care professionals to become committed to primary care, contributing to accessibility, continuity, coordination, accountability, patient-centredness, and health promotion and prevention;
- promoting innovation in family medicine and primary health care delivery and practice;
- developing research and scholarly activity to contribute to the academic discipline;
- promoting curriculum innovation and education research;
- engaging in international and global health activities;
- developing and engaging in public policy discussions.

We understand that research in family medicine and primary care is essential to the achievement of excellence in health care delivery, patient care, and education. Our research division is composed of Ph.D. and clinical researchers who dedicate their efforts to producing and translating knowledge that advances the discipline, practice, and teaching of family medicine and primary care while supporting the scholarly activities of clinicians and residents in the Department. We have developed unique and rigorous research programs for **M.Sc.** and **Ph.D.** students that advance academic excellence in family medicine and primary health care through patient-oriented, community-based research with innovative methodologies and participatory approaches.

#### **Ph.D. (*Ad Hoc*)**

The Department of Family Medicine offers the possibility of entering a Ph.D. program on an *ad hoc* basis.

#### ***section 10.11.13.5: Master of Science (M.Sc.) Family Medicine (Thesis) (45 credits)***

The M.Sc. in Family Medicine is a **research-oriented thesis-based graduate program** in family medicine. The objective is to increase the skills of those interested in carrying out research pertinent to the practice of family medicine.

As many relevant research questions cross conventional boundaries of disciplines and research traditions, we incorporate an **interdisciplinary approach** with an emphasis on **participatory research** and **community engagement**.

This program provides training in epidemiology and statistics as well as in qualitative, quantitative and mixed methods. Students are also oriented for knowledge synthesis and participatory research approaches.

An emphasis is placed on the relevance of the thesis research to family practice and primary health care. Close links are maintained with the main family medicine clinical sites located around Montreal and Quebec.

#### ***section 10.11.13.6: Master of Science (M.Sc.) Family Medicine (Thesis): Bioethics (45 credits)***

The objectives of this program are to allow students to conduct innovative research in relation to a bioethical issue pertinent to health care and to acquire a working knowledge of bioethical issues from the current viewpoint of other relevant disciplines such as law, philosophy, and religious studies. A minimum of 45 credits is required including the thesis. The research culminates in the preparation of a thesis.

#### ***section 10.11.13.7: Master of Science (M.Sc.) Family Medicine (Thesis): Medical Education (45 credits)***

This program will have very close ties to the *Family Medicine Educational Research Group* (FMER), which is the corollary of the educational innovations in teaching and research conceived and established in the McGill Department of Family Medicine since 2005. The FMER group's ultimate goal is to advance knowledge to:

1. constantly inform family medicine curricula innovations and continuing professional development to better family physicians' clinical practice;
2. significantly contribute to the development of the family medicine education field of inquiry;
3. rigorously develop and inform medical education policy.

This research agenda of FMER is articulated into four interrelated streams:

1. family physician's professional identity formation;
- 2.

### 10.11.13.3 Medicine, Family Admission Requirements and Application Procedures

#### 10.11.13.3.1 Admission Requirements

Our program encourages the following applicants:

- Practicing family physicians
- Undergraduate university students with a strong interest in family medicine research
- Family medicine residents who are completing their residency and would like to continue with their education by completing an enhanced skills program specializing in family medicine research with the possibility of obtaining an M.Sc. degree. If interested, you may learn more about the [Clinician Scholar Program here](#).

#### What do we look for?

**High academic achievement:** A cumulative grade point average (CGPA) of 3.4 is required out of a possible maximum CGPA of 4.0, or a GPA of 3.6 is required in the last two years of full-time studies.

**Proof of competency in oral and written English:** TOEFL: International students who have not received their instruction in English or whose mother tongue is not English must pass the Test of English as a Foreign Language ([TOEFL](#)) with a minimum score of 86 on the Internet-based test (iBT; 567 on the paper-based test (PBT)), with each component score not less than 20.



**Note:** The TOEFL institution code for McGill University is 0935. For further information, please refer to the [TOEFL website](#).

Alternatively, students may submit International English Language Testing System ([IELTS](#)) scores with a minimum overall band score of 6.5. Original score reports must be submitted (photocopies will not be accepted).

For overseas graduates, an attempt is made to situate the applicant's academic grades among the standards of their universities. Grades are, however, converted to their McGill equivalent. Conversion charts, as well as required admission documentation for each country, are provided by [Graduate and Postdoctoral Studies](#) and prospective students should refer to these in order to determine if they are admissible to our program.

#### 10.11.13.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

All supplemental application materials and supporting documents must be uploaded directly to the McGill admissions processing system.

- **Supervisor:** All students must be matched to a [supervisor](#) to be admitted to our graduate programs; this matching will occur during the application process (i.e., after the applicant has submitted a complete application). After the application has been received, the applicants will have an opportunity to be chosen for an interview with one of our supervisors if the minimum admission requirements have been met.
- **Application form and fee:** All applicants must complete the [Online Application](#). The application must be accompanied by a non-refundable application fee payable by credit card (Visa or Mastercard); fee amounts and details are listed on the [Student Accounts](#) website. Please ensure you apply for the M.Sc. in Family Medicine or the ad hoc Ph.D. in Family Medicine.
- **Curriculum Vitae:** Please upload the latest version of your resumé, which should include a listing of previous research experience and publications. All relevant research experience should be included in your CV since you are essentially applying for a research position in the Department.
- **Letters of Reference:** Two (2) or three (3) letters of reference must accompany any application to our program. These letters must be no more than six months old, must be on letterhead paper, and are required to be uploaded to the admissions processing system. Applicants are encouraged to request references from academic or other professional employers who can evaluate their potential for graduate studies and research, and who can attest to the applicant's research skills. Referees will also be asked to rank each applicant and to provide a size of the comparison (i.e., out of 50 supervised students). **Any applicant having undertaken previous graduate studies (whether at McGill or elsewhere) should make sure that one of the letters of reference is from their graduate supervisor. Please note:** On the application form, applicants must provide the names and email addresses of referees. McGill will contact these referees via email and invite them to upload reference letters on the applicant's behalf (along with the instructions on how to upload the documents). **Neither of these reference letters should be from the proposed supervisor.**
- **Personal Statement:** Applicants must submit a personal statement in which they:
  1. describe their background and the reasons why they are applying to the desired program;
  2. describe their research interests and with whom they would like to work among the list of potential supervisors;
  3. describe how they hope to impact family medicine practice; and
  4. describe future plans upon graduation from the desired program.

The statement should be no more than two (2) pages long.

- **Writing Assessment**
- **Interview**
- **Official Transcripts:** Applicants must submit one (1) official copy of all transcripts for all post-secondary education undertaken (Quebec students need not submit CEGEP transcripts). Unofficial transcripts may be uploaded to the McGill admissions processing system and an official transcript must be sent at a later time when the letter of acceptance has been sent by Graduate and Postdoctoral Studies via Minerva (since this will be a condition of the letter). **Please note:** Official transcripts are not required for studies conducted at McGill University (students may upload a Minerva copy of their McGill transcript with their application and this will be sufficient).





## **Associate Professors**

Pierre-Paul Tellier; M.D.,C.M.(McG.)

Isabelle Vedel; M.D.(Paris XI), D.E.A.(Sciences Po), Ph.D.(Reims Champagne-Ardenne)

Mark W

**10.11.13.5 Master of Science (M.Sc.) Family Medicine (Thesis) (45 credits)**

**Thesis Courses (24 credits)**

FMED 697	(12)	Master's Thesis Research 1
FMED 698	(12)	Master's Thesis Research 2

**Required Courses (15 credits)**

FMED 505	(3)	Basic Analysis for Health Data
		Foundations of Epidemiology in Family Medicine

BIOE 690	(3)	M.Sc. Thesis Literature Survey
BIOE 691	(3)	M.Sc. Thesis Research Proposal
BIOE 692	(6)	M.Sc. Thesis Research Progress Report
BIOE 693	(12)	M.Sc. Thesis
FMED 604	(3)	Advanced Participatory Research in Health

**Complementary Course (3 credits)**

3 credits from the following: 693

3 credits, at the 500 level or higher, chosen in consultation with the student's academic supervisor, specifically involving educational issues, and always relating to the student's thesis topic within the medical education field.

#### **10.11.14 Microbiology and Immunology**

##### **10.11.14.1 Location**

Department of Microbiology and Immunology  
Duff Medical Building, Room 511  
3775 University Street  
Montreal QC H3A 2B4  
Canada  
Telephone: 514-398-3061  
Fax: 514-398-7052  
Email: [grad.microimm@mcgill.ca](mailto:grad.microimm@mcgill.ca)  
W

Candidates are required to hold a B.Sc. degree in microbiology and immunology, biology, biochemistry, or another related discipline; those with the M.D., D.D.S., or D.V.M. degrees are also eligible to apply. The minimum cumulative grade point average (CGPA) for acceptance into the program is 3.2 out of 4.0.

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the *TOEFL* (Test of English as a Foreign Language) or *IELTS* (International English Language Testing Systems) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available.

- TOEFL Internet-Based Test (iBT): a minimum overall score of 86 (no less than 20 in each of the four components)
- TOEFL Paper-Based Test (PBT): a minimum score of 567
- IELTS: a minimum overall band score of 6.5

The TOEFL Institution Code for McGill University is 0935.

#### Ph.D.

Students who have satisfactorily completed an M.Sc. degree in microbiology and immunology, a biological science, or biochemistry, or highly qualified students enrolled in the departmental M.Sc. program, may be accepted into the Ph.D. program provided they meet its standards.

#### 10.11.14.32 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

All applicants must approach academic staff members directly during or before the application process since no applicants are accepted without a supervisor.

#### 10.11.14.32.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- [Supervisor Confirmation Form](#)

#### 10.11.14.33 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Microbiology and Immunology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	April 22	June 13	June 13
<b>Winter Term:</b>	Feb. 15	Sept. 1	Nov. 1	Nov. 1
<b>Summer Term:</b>	May 15	Jan. 6	March 25	March 25

Online applications and all required documents must be submitted prior to the application deadline.

#### 10.11.14.4 Microbiology and Immunology Faculty

##### Interim Chair

G. Matlashewski

##### Emeritus Professors

N. Acheson, M. Baines, J.W. Coulton

##### Professors

J. Archambault; Ph.D.(Tor.)

A. Berghuis; M.Sc.(Rijks Univ. Groningen), Ph.D.(Br. Col.)

G.J. Matlashewski; B.Sc.(C'dia), Ph.D.(Ohio)

R.A. Murgita; B.Sc.(Maine), M.S.(Vermont), Ph.D.(McG.)

## Professors

M. Olivier; B.Sc.(Montr.), Ph.D.(McG.)

C. Piccirillo; B.Sc., Ph.D.(McG.)

D. Sheppard; M.D.(Tor.)

M. Stevenson; M.Sc., Ph.D.(Catholic Univ. of Amer.)

## Associate Professors

D.J. Briedis; B.A., M.D.(Johns Hop.)

B. Cousineau; B.Sc., M.Sc., Ph.D.(Montr.)

S. Fournier; Ph.D.(Montr.)

J. Fritz; Ph.D.(Vienna)

S. Gruenheid; B.Sc.(Br. Col.), Ph.D.(McG.)

G. T. Marczynski; B.Sc., Ph.D.(Ill.)

## Assistant Professors

I. King; B.Sc.(Ohio St.), M.Sc.(Pitt. St.), Ph.D.(Roch.)

C. Krawczyk; Ph.D.(Tor.)

C. Maurice; M.S., Ph.D.(Montpellier II)

M. Richer; B.Sc.(McG.), M.Sc.(Montr.), Ph.D.(Br. Col.)

S. Sagan; B.Sc.(McG.), Ph.D.(Ott.)

## Associate Members

*Epidemiology and Infectious Diseases*: M. Behr, A. Dascal, V. Loo

*Immunology, Autoimmunity, Host Defense*: J. Antel, M. Burnier, I. Colmegna, P. Gros, A. Kristof, J. Mandl, A. Orthwein, J. Rauch, M. Saleh, J. Spicer,

## Adjunct Professors

K. Pike

W-K. Suh

S. Tran

### 10.11.14.5 Master of Science (M.Sc.) Microbiology and Immunology (Thesis) (45 credits)

#### Thesis Courses (24 credits)

MIMM 697	(8)	Master's Research 1
MIMM 698	(8)	Master's Research 2
MIMM 699	(8)	Master's Research 3

#### Required Courses (15 credits)

MIMM 611	(3)	Graduate Seminars 1
MIMM 612	(3)	Graduate Seminars 2
MIMM 613	(3)	Current Topics 1
MIMM 614	(3)	Current Topics 2
MIMM 615	(3)	Current Topics 3

#### Complementary Courses (6 credits)

Minimum 6 credits from:

MIMM 607	(3)	Biochemical Pathology
MIMM 616	(3)	Reading and Conference 1
MIMM 617*	(3)	Reading and Conference 2
MIMM 618*	(3)	Reading and Conference 3
MIMM 619*	(3)	Reading and Conference 4
NEUR 502	(3)	Basic and Clinical Aspects of Neuroimmunology

Any life sciences-related 500-level or above course (3 credits). Department approval required.

\* Not offered in every academic year.

### 10.11.14.6 Doctor of Philosophy (Ph.D.) Microbiology and Immunology

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses (18 credits)

MIMM 611	(3)	Graduate Seminars 1
MIMM 612	(3)	Graduate Seminars 2
MIMM 613	(3)	Current Topics 1
MIMM 614	(3)	Current Topics 2
MIMM 615	(3)	Current Topics 3
MIMM 701	(0)	Comprehensive Examination-Ph.D. Candidate

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MIMM 713 (3) Graduate Seminars 3

**Complementary Courses (9 credits)**

MIMM 616 (3) Reading and Conference 1  
MIMM 617 (3) Reading and Conference 2  
MIMM 618 (3) Reading and Conference 3  
MIMM 619 (3) Reading and Conference 4

OR

Any life sciences-related courses at the 500 level or higher. Departmental approval is required.

**10.11.15 Neuroscience (Integrated Program)**

**10.11.15.1 Location**

Montreal Neurological Institute, Room 141  
3801 University Street  
Montreal QC H3A 2B4  
Canada  
Telephone: 514-398-1905; 514-398-6243; or 514-398-1229  
Fax: 514-398-4621  
Email: [ipn@mcgill.ca](mailto:ipn@mcgill.ca) or [ipn.admissions@mcgill.ca](mailto:ipn.admissions@mcgill.ca)  
Website: [www.mcgill.ca/ipn](http://www.mcgill.ca/ipn)

**10.11.15.2 About the Integrated Program in Neuroscience**

Montreal is home to the largest concentration of neuroscientists in North America. Neuroscience research at McGill University is internationally renowned, and its Integrated Program in Neuroscience (IPN) provides graduate training in this outstanding research environment. With approximately 340 M.Sc. and Ph.D. students and more than 230 supervisors, the IPN is the largest graduate program in the Faculty of Medicine and one of the largest neuroscience graduate programs in North America.

Neuroscience training within the IPN spans the full spectrum of research fields, from cellular and molecular neuroscience to behavioural and cognitive neuroscience. In addition to laboratory research, the IPN offers an extensiv

8. All incoming students are required to take the workshops on Responsible Conduct of Research. These will be included as part of the milestones for annual progress reports.

#### **section 10.11.15.5: Master of Science (M.Sc.) Neuroscience (Thesis) (45 credits)**

The M.Sc. program offers opportunities to a great diversity of individual interests and backgrounds, and prepares our students for scientific careers in neuroscience and related fields. Programs leading to an M.Sc. degree require the completion of intensive academic and research training.

#### **section 10.11.15.6: Doctor of Philosophy (Ph.D.) Neuroscience**

The IPN offers a highly competitive Ph.D. degree program that prepares students for successful scientific careers in the field of neuroscience. Over half of the students registered in the neuroscience graduate program at McGill University are in the doctoral stream.

### **10.11.15.3 Neuroscience (Integrated Program) Admission Requirements and Application Procedures**

#### **10.11.15.3.1 Admission Requirements**

##### **General**

Applicants must hold a bachelor's degree, or its equivalent, from a recognized institution in a field related to the subject selected for graduate work, and must display an adequate background in basic sciences.

The applicant must present evidence of high academic achievement. A standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 is required by Graduate and Postdoctoral Studies; however, the Integrated Program in Neuroscience (IPN) prefers applicants to show a higher academic standing, and requires a minimum CGPA of 3.3.

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit results of the *TOEFL* exam with their application and have a minimum score of 86 on the Internet-based test (iBT; 567 on the paper-based test [PBT]) with each component score not less than 20.

##### **M.Sc. Degree**

Bachelor's degree with adequate background in basic sciences, or an M.D.

##### **Ph.D. Degree**

Applicants must hold a graduate-level degree in a field related to neuroscience or have an M.D. degree, preferably with postgraduate training. Applicants will also be considered for admission if enrolled in the : *Doctor of Medicine & Master of Surgery with Ph.D. (Joint M.D., C.M. & Ph.D.)* program through the Faculty of Medicine at McGill University.

Students currently registered in the Master's in Neuroscience may be permitted to transfer to the Ph.D. program without submitting a master's thesis. Applicants are expected to have attained a high scholastic standing equal to, or greater than, the minimum cumulative grade point average of 3.3 out of 4.0 in all levels of study. In exceptional circumstances, a student **may** enter the Ph.D. program directly from their undergraduate degree if a CGPA of 3.7 is attained and if the student already presents extensive research experience.

Applicants are expected to have a high academic standing in their previous academic studies and research.

To meet the diversity of individual interests and backgrounds, the graduate program for each student is designed at the time of entry. As part of the admission process, each applicant will identify, with the participation of the prospective thesis supervisor and the Graduate Studies Committee, a research thesis topic and the coursework required to complete the training deemed necessary for the degree. These decisions become an integral part of the graduation requirements for the student.

#### **10.11.15.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

##### **10.11.15.3.2.1 Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Personal Statement

#### **10.11.15.3.3 Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the IPN and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).



## Professors

- C. Bushnell; Ph.D.(Amer.) (*Dept. of Anaesthesia*)
- S. Carbonetto; M.Sc.(Mass.), Ph.D.(N. Carolina) (*Dept. of Neurology and Neurosurgery*)
- F. Cervero; M.D., Ph.D.(Madrid), D.Sc.(Edin.) (*Dept. of Anesthesia*)
- H. Chertkow; M.D.(W. Ont.), F.R.C.P.(C) (*Dept. of Neurology and Neurosurgery*)
- P. Clarke; M.A.(Camb.), Ph.D.(Lond.) (*Dept. of Pharmacology and Therapeutics*)
- T. Coderre; Ph.D.(McG.) (*Depts. of Anesthesia, Neurology and Neurosurgery, Psychology, and Experimental Medicine*)
- D.L. Collins; M.Eng., Ph.D.(McG.) (*Depts. of Neurology and Neurosurgery, Biomedical Engineering*)
- E. Cooper; Ph.D.(McM.) (*Dept. of Physiology*)
- C. Cuello; M.D.(Buenos Aires), M.A., D.Sc.(Oxf.) (*Dept. of Pharmacology and Therapeutics*)
- K. Cullen; Ph.D.(Chic.) (*Dept. of Physiology*)
- S. Daniel; M.D.,C.M., M.Sc.(McG.) (*Dept. of Otolaryngology – Head and Neck Surgery*)
- S. David; Ph.D.(Manit.) (*Dept. of Neurology and Neurosurgery*)
- L. Diatchenko; M.D., Ph.D.(RNRMU) (*Dept. of Anesthesia, Faculties of Dentistry and Medicine*)
- H. Durham; M.Sc.(W. Ont.), Ph.D.(Alta.) (*Dept. of Neurology and Neurosurgery*)
- S. El Mestikawy; Ph.D.(Paris VI) (*Dept. of Psychiatry*)
- A. Evans; M.Sc.(Sur.), Ph.D.(Leeds) (*Dept. of Neurology and Neurosurgery*)
- L. Fellows; B.Sc.(McG.), D.Phil.(Oxf.), M.D.,C.M.(McG.) (*Dept. of Neurology and Neurosurgery*)
- C. Flores; Ph.D.(C' dia) (*Dept. of Psychiatry*)
- E. Fon; M.D.(Montr.), F.R.C.P.(C) (*Dept. of Neurology and Neurosurgery*)
- S.G. Gauthier; B.A., M.D.(Montr.), F.R.C.P.(C) (*Dept. of Neurology and Neurosurgery*)
- B. Giros; M.Sc., Ph.D.(Paris VI) (*Dept. of Psychiatry*)
- J. Gotman; M.Eng.(Dart.), Ph.D.(McG.) (*Dept. of Neurology and Neurosurgery*)
- V. Gracco; Ph.D.(Wisc.) (*School of Communication Sciences and Disorders*)
- A. Gratton; Ph.D.(C' dia) (*Dept. of Psychiatry*)
- D. Guitton; Dipl. IVK(Univ. Libre de Brux.), B.Eng., M.Eng., Ph.D.(Eng.), Ph.D.(Physiol.)(McG.) (*Dept. of Neurology and Neurosurgery*)
- D. Haegert; M.D.(Br. Col.), F.R.C.P.(C) (*Dept. of Pathology*)
- E. Hamel; B.Sc.(Sher.), Ph.D.(Montr.) (*Dept. of Neurology and Neurosurgery*)
- K. Hastings; B.Sc., Ph.D.(McG.) (*Dept. of Neurology and Neurosurgery*)
- R.T. Hepple; Ph.D.(Tor.) (*Dept. of Kinesiology and Physical Education*)
- R. Hess; Ph.D.(Melb.), D.Sc.(Aston, UK) (*Dept. of Ophthalmology*)
- B. Jones; B.A., M.A., Ph.D.(Delaware) (*Dept. of Neurology and Neurosurgery*)

## Professors

G. Luheshi; Ph.D.(Newcastle, UK) (*Dept. of Psychiatry*)

D. Maysinger; M.Sc., Ph.D.(Calif.-LA) (*Dept. of Pharmacology and Therapeutics*)

H.M. McBride; Ph.D.(McG.) (*Dept. of Neurology and Neurosurgery*)

P.S. McPherson; M.Sc.(Manit.), Ph.D.(Iowa) (*James McGill Professor*) (*Dept. of Neurology and Neurosurgery*)

M.J. Meaney; B.A.(Loyola), M.A., Ph.D.(C'dia.) (*Dept. of Psychiatry*)

**Professors**

C. Wolfson; Ph.D.(McG.) (*Dept. of Epidemiology and Biostatistics*)

R.J. Zatorre; A.B.(Boston), M.Sc., Ph.D.(Brown) (*Dept. of Neurology and Neurosurgery*)

**Associate Professors**

P. Archambault; B.Sc.(McG.), M.Sc., Ph.D.(Montr.) (*Dept. of Physical and Occupational Therap*657.68 *Tm(Ther)Tj1 0 0 tis*)

## Associate Professors

- H. Paudel; Ph.D.(Okla.), M.Sc.(Nepal) (*Dept. of Neurology and Neurosurgery*)
- A. Peterson; B.Sc.(Vic., BC), Ph.D.(Br. Col.) (*Dept. of Neurology and Neurosurgery*)
- K. Petrecca; B.Sc., M.D., Ph.D.(McG.) (*Dept. of Neurology and Neurosurgery*)
- M. Pompeiano; M.D.(Pisa), Ph.D.(Scuola Sup. Pisa) (*Dept. of Psychology*)
- R. Postuma; M.D. (Manit.), M.Sc. (McG.) (*Dept. of Neurology and Neurosurgery*)
- D. Ragsdale; B.S.(Ill.), Ph.D.(Calif.) (*Dept. of Neurology and Neurosurgery*)
- N. Rajah; Ph.D.(Tor.) (*Dept. of Psychiatry*)
- Y. Rao; B.Sc.(Sichuan), Ph.D.(Tor.) (*Dept. of Neurology and Neurosurgery*)
- A. Raz; M.Sc., Ph.D.(Hebrew) (*Dept. of Psychiatry*)
- A. Reader; Ph.D.(King's Coll., Lond.) (*Dept. of Neurology and Neurosurgery*)
- J. Renaud; M.D., M.Sc. (Montr.), F.R.C.P.(C) (*Dept. of Psychiatry*)
- J. Rochford; Ph.D.(C'dia) (*Dept. of Psychiatry*)
- B. Rosenblatt; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C) (*Dept. of Neurology and Neurosurgery*)
- E. Ruthazer; A.B.(Princ.), Ph.D.(Calif.-SF) (*Dept. of Neurology and Neurosurgery*)
- J.T. Sakata; B.A. (Cornell), Ph.D. (Texas-Austin) (*Dept. of Biology*)
- A. Shmuel; B.Med., M.Sc.(Hebrew), Ph.D.(Weizmann Institute of Science) (*Dept. of Neurology and Neurosurgery*)
- P.J. Sjoström; M.Sc. (Uppsala), Ph.D. (Brandeis) (*Dept. of Neurology and Neurosurgery*)
- N. Spreng; M.A., Ph.D. (Tor.) (*Dept. of Neurology and Neurosurgery*)
- K. Steinhauer; M.Sc., Ph.D. (Free Univ., Berlin) (*School of Communication Sciences and Disorders*)
- D. Stellwagen; B.Sc.(Brown), Ph.D.(Calif.) (*Dept. of Neurology and Neurosurgery*)
- L. Stone; Ph.D.(Minn.) (*Dept. of Dentistry*)
- K.-F. Storch; Ph.D.(Max Planck) (*Dept. of Psychiatry*)
- D. VD. tistrytistry

## Assistant Professors

E. de Villers-Sidani; M.D.(McG.)

R. Diaz; B.Sc., M.D., Ph.D. (Tor.), F.R.C.S.(C) (*Dept. of Neurology and Neurosurgery*)

S. Ducharme; M.D. (Montr.), M.Sc. (McG.), F.R.C.P.(C) (*Depts. of Psychiatry, Neurology and Neurosurgery*)

M. Elsabbagh; B.Sc. (McG.), Ph.D. (UQAM) (*Dept. of Neurology and Neurosurgery*)

R. Farivar; B.Sc.(Vic., BC), Ph.D.(McG.) (*Dept. of Ophthalmology*)

C. Ferland-Legault; Ph.D. (Montr.) (*Dept. of Anesthesia*)

Z. Gan-Or; M.D., Ph.D. (Tel Aviv) (*Dept. of Neurology and Neurosurgery*)

C. Grova; Ph.D.(Rennes) (*Depts. of Biomedical Engineering & Neurology and Neurosurgery*)

P. Haghghi; Ph.D.(McG.) (*Dept. of Physiology*)

L. Healy; B.Sc. (Univ. Coll. Cork), Ph.D. (Trinity Coll. Dublin) (*Dept. of Neurology and Neurosurgery*)

A. Hendricks; Ph.D.(Mich.) (*Dept. of Bioengineering*)

M. Hendricks; B.A.(Bowdoin), Ph.D. (Sing.) (*Dept. of Biology*)

P. Huot; M.D, M.Sc. (Laval), Ph.D. (Tor.) (*Dept. of Neurology and Neurosurgery*)

A. Jahani-Asl; B.Sc. (Tor.), M.Sc., Ph.D. (Ott.) (*Dept. of Oncology*)

S. Karama; M.D., Ph.D. (Montr.), F.R.C.P.(C) (*Dept. of Psychiatry*)

J. Karamchandani; B.Sc. (Harv.), M.D. (Stan.) (*Dept. of Pathology*)

A. Khadra; B.Sc. (C' dia), M.Sc., Ph.D. (Wat.) (*Dept. of Physiology*)

A. Khoutorsky; DVM, Ph.D. (Hebrew) (*Dept. of Anesthesia*)

A. Krishnaswamy; Ph.D. (McG.) (*Dept. of Physiology*)

D. Klein; B.A., Ph.D.(Witw./S. Af.) (*Dept. of Neurology and Neurosurgery*)

E. Kobayashi; M.D., Ph.D.(Campinas State) (*Dept. of Neurology and Neuro and Neurobayashi; M.g.8 Tm(olo)Tj1 d521.2 Tmds3(gy and 41co(osIsG1Tm(olo)Tj Tm()*)



### Assistant Professors

M. Sharp; M.D. (McG.) (*Department of Neurology and Neurosurgery*)

D. Sinclair; B.Sc., Ph.D.(Dal.) (*Dept. of Neurology and Neurosurgery*)

M. Srour; M.D.C.M. (McG.), Ph.D. (Montr.), F.R.C.P.(C) (*Depts. of Pediatrics, Neurology and Neurosurgery*)

T. Stroh; Dip.(J. Liebig Univ. Giessen), Ph.D.(Max Planck) (*Dept. of Neurology and Neurosurgery*)

A. Suvrathan; B.Sc. (Delhi), Ph.D. (Tata Inst.) (*Depts. of Pediatrics, Neurology and Neurosurgery*)

V. Sziklas; Ph.D.(McG.) (*Dept. of Neurology and Neurosurgery*)

H. Takahashi; M.D., Ph.D.(Gunma), (*IRCM, Dept. of Experimental Medicine*)

C. Tardif; B.Sc. (McG.), M.Sc. (Imperial), Ph.D. (McG.) (*Depts. of Biomedical Engineering, Neurology and Neurosurgery*)

S. Trenholm; B.Sc. (Vic. BC) M.Sc., Ph.D. (Dal.) (*Dept. of Neurology and Neurosurgery*)

J. Van Raamsdonk; Ph.D. (Br. Col.) (*Dept. of Neurology and Neurosurgery*)

M. Vollrath; Ph.D.(Baylor) (*Dept. of Neurology and Neurosurgery*)

S. Villeneuve; Ph.D. (Montr.) (*Dept. of Psychiatry*)

S.C. Woolley; B.Sc.(Duke), Ph.D.(Texas-Austin) (*Dept of Biology*)

T.Y. Zhang; M.D., M.Sc. (Yanbian), Ph.D. (Yonsei) (*Dept. of Psychiatry*)

### Lecturer

TBA

### Adjunct Professors

E. Racine; B.A.(Ott.), M.A., Ph.D.(Montr.) (*Dept. of Neurology and Neurosurgery*)

L. Xiong; Ph.D. (McG.)

### 10.11.15.5 Master of Science (M.Sc.) Neuroscience (Thesis) (45 credits)

#### Required Courses (36 credits)

NEUR 696	(6)	Master's Thesis Research
NEUR 697	(9)	Master's Thesis Proposal
NEUR 698	(9)	Master's Seminar Presentation
NEUR 699	(12)	Master's Thesis Submission
NEUR 705	(0)	Responsible Research Conduct

#### Complementary Courses (9 credits)

Students with an M.D. degree proceeding directly into a Ph.D. program will be required to take NEUR 630 and NEUR 631. They will also be required to take 6 credits of graduate-level courses.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (6 credits)

NEUR 630	(3)	Principles of Neuroscience 1
NEUR 631	(3)	Principles of Neuroscience 2
NEUR 700	(0)	Doctoral Candidacy Examination
NEUR 705	(0)	Responsible Research Conduct

### Complementary Courses (6 credits)

6 credits at the 500, 600, or 700 level, approved by the graduate program adviser.

## 10.11.16 Occupational Health

### 10.11.16.1 Location

Department of Epidemiology, Biostatistics and Occupational Health

Purvis Hall

1020 Pine Avenue West

Montreal QC H3A 1A2

Canada

Telephone: 514-398-6258

Email: [graduate.c@mail.utoronto.ca](mailto:graduate.c@mail.utoronto.ca): Tc0 0 Tc/F1 8.1 Tf1 0 0 1 830 0 424.684 Tm(W)Tj1 0 691830 0 424.684 ebsite(Email: )Tj0 0 1 rg0 0 1 RG/F2 8.1 Tf1 01609 6830 0 424.

### **10.11.16.3 Occupational Health Admission Requirements and Application Procedures**

#### **10.11.16.3.1 Admission Requirements**

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English by appropriate exams, e.g., *TOEFL* (Test of English as a Foreign Language) with a minimum score of 86 on the Internet-based test (iBT), with each component score not less than 20.

#### **M.Sc. Applied Program (Resident) (on campus)**

Candidates should have completed, with a standing equivalent to a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0, one of the requisites below:

- a Bachelor of Science degree or its equivalent, in a discipline relevant to occupational health or hygiene such as chemistry, engineering, environmental sciences, or physics
- an M.D. (medicine)
- a B.Sc. in health sciences or nursing

#### **Distance Education**

**Note:**

- Personal Statement

**Ph.D. Program**

- Curriculum Vitae
- Personal Statement
- Research Proposal

**10.11.16.33 Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Epidemiology, Biostatistics and Occupational Health and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

	Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens	Canadian citizens/Perm. residents of Canada	Current McGill Students (any citizenship)	Special, Visiting & Exchange Students
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15	Apr. 30
<b>Winter Term:</b>	Feb. 15	N/A	N/A	N/A	Sept. 10
<b>Summer Term:</b>	N/A	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.



**Note:** Applications for Winter/Summer term admission will not be considered, with the exception of admission as Special Students in the Winter term.

**10.11.16.4 Occupational Health Faculty**

Please see [section 10.11.7.3: Epidemiology, Biostatistics and Occupational Health Faculty](#).

**10.11.16.5 Master of Science, Applied (M.Sc.A.) Occupational Health (Non-Thesis) (Resident) (45 credits)****Research Project (15 credits)**

OCCH 699 (15) Project Occupational Health and Safety

**Required Courses (30 credits)**

Note: Students must pass the Master's Integrative Examination (OCCH 600) before writing their Project.

OCCH 600	(0)	Master's Integrative Exam
OCCH 602	(3)	Occupational Health Practice
OCCH 603	(3)	Work and Environment Epidemiology 1
OCCH 604	(3)	Monitoring Occupational Environment
OCCH 605	(6)	Physical Health Hazards
OCCH 608	(3)	Biological Hazards
OCCH 612	(3)	Principles of Toxicology
OCCH 614	(3)	Topics in Occupational Health
OCCH 615	(3)	Occupational Safety Practice
OCCH 616	(3)	Occupational Hygiene

**10.11.16.6 Master of Science, Applied (M.Sc.A.) Occupational Health (Non-Thesis) (Distance) (45 credits)**

\*\*This program is currently not accepting applicants.\*\*

**Research Project (15 credits)**

Project Occupational Health and Safety

3755 Chemin de la Côte-Sainte-Catherine, Suite E-903  
Montreal QC H3T 1E2  
Canada  
Telephone: 514-340-8222, ext. 23179  
Fax: 514-340-7934  
Website:

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**10.11.17.4 Otolaryngology – Head and Neck Surgery Faculty**

**Chair**

N. Sadeghi

**Graduate Program Director and Director of Research**

B. Segal

**Director of Residency Training Program**

K. Richardson

**Director of Head and Neck Oncology Program**

N. Sadeghi

**Director of Undergraduate Medical Education**

J. Young

**Director of Fellowship Training**

J. Rappaport

**Emeritus Professor**

**Professors**

**Assistant Professors**

M. Duval; M.D.(Ott.), C.M., M.Sc.(Epid.)(Lond.), F.R.C.S.(C)  
 V.I. Forest; M.D., M.Sc.(Exp. Med.)(Laval), F.R.C.S.(C)  
 Y. Lacroix; M.D.(Laval), F.R.C.S.(C)  
 R. Lafleur; M.D.(Ott.), F.R.C.S.(C)  
 A. Lehmann; B.Sc.(Franche-Comté), M.Eng.(MINES ParisTech), M.Sc.(Paris VI), Ph.D.(Collège de France)  
 T. Mijovic; M.D.  
 A. Mlynarek; M.D.,C.M., M.Sc.(Otol.)(McG.), F.R.C.S.(C)  
 K. Richardson; M.D., F.R.C.S.(C)  
 J. Schwartz; M.D., F.R.C.S.(C)  
 G. Sejean; M.D.(Beirut), F.R.C.S.(C)  
 L. Tarantino; M.D.(Naples), F.R.C.S.(C)  
 S.D. Wurzba; D.D.S., M.Sc., Ph.D.  
 J. Yeung, M.D., F.R.C.S.(C)  
 J. Young; M.D.,C.M.(McG.), F.R.C.S.(C)

**Associate Members**

K. E. Cullen; Ph.D.(McG.)  
 H.L. Galiana; B.Eng., M.Eng., Ph.D.(McG.)  
 Q. Hamid; M.D.(Iraq), Ph.D.Med.(Lond.)  
 M. Henry; Ph.D.(UQAM)  
 N.Y.K. Li; B.Sc.(HK), M.Phil.(HK)  
 L. Mongeau; B.Sc., M.Sc.(Montr.), Ph.D.(Penn. St.)  
 M. Paliouras; B.Sc.(Hons.), M.S., Ph.D.  
 M. Sewitch; Ph.D.

**Lecturers**

C. Boucher; M.D.  
 R. Caouette; M.D.  
 A. Finesilver; M.D.,C.M.(McG.), F.R.C.S.(C)  
 O. Houle; M.D.  
 V. Iordanescu; M.D.  
 L. Monette; M.D.  
 J. Rothstein; M.D.,C.M.(McG.), F.R.C.S.(C)  
 R. Varshney; M.D., C.M., M.Sc., F.R.C.S.(C)  
 R. Ywakim; M.D., F.R.C.S.(C)

**Adjunct Professors**

L. Picard; M.D.(Montr.), F.R.C.S.(C)

**10.11.17.5 Master of Science (M.Sc.) Otolaryngology (Thesis) (45 credits)****Thesis Courses (30 credits)**

OTOL 690	(3)	M.Sc. Thesis 1
OTOL 691	(3)	M.Sc. Thesis 2



OTOL 692	(6)	M.Sc. Thesis 3
OTOL 693	(6)	M.Sc. Thesis 4
OTOL 694	(12)	M.Sc. Thesis 5

### Required Courses (12 credits)

When appropriate, courses OTOL 602, OTOL 612, OTOL 603, or OTOL 613 may be replaced by other Basic Science or Clinical (500, 600, or 700 level) courses of relevance to Otolaryngology, as recommended or approved by the Department.

OTOL 602	(3)	Physiology, Histopathology and Clinical Otolaryngology 1
OTOL 603	(3)	Advanced Scientific Principles - Otolaryngology 1
OTOL 612	(3)	Physiology, Histopathology and Clinical Otolaryngology 2
OTOL 613	(3)	Advanced Scientific Principles - Otolaryngology 2

### Complementary Course

(3-4 credits)

EPIB 507	(3)	Biostats for Health Sciences
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or equivalent.

Students aiming to acquire an interdisciplinary background will be expected to take additional elective courses, at the undergraduate level if necessary.

## 10.11.18 Pathology

### 10.11.18.1 Location

Department of Pathology  
 Duff Medical Building  
 3775 University Street, Room B4  
 Montreal QC H3A 2B4  
 Canada  
 Telephone: 514-398-3045  
 Email: [gradstudies.pathology@mcgill.ca](mailto:gradstudies.pathology@mcgill.ca)  
 Website: [www.mcgill.ca/pathology](http://www.mcgill.ca/pathology)

### 10.11.18.2 About Pathology

Pathology is the specialized area of biomedical science that emphasizes the study of disease, and it is therefore one of the most multidisciplinary fields of research. Investigators in a pathology department may be utilizing information and experimental techniques originally developed in almost any area of modern biology and, in return, may contribute new knowledge of benefit to many other disciplines. Research on disease may target any of the organ systems, in normal and abnormal conditions, and studies may be conducted from a structural, functional, or molecular perspective at any level, from the intact organism down to specific components of the individual cell. Research in pathology often provides a unique link to human data, with an opportunity to translate experimental research into improved methods of diagnosis and therapy.

The Pathology Department offers research training in a wide variety of areas such as:

- cancer research, including the fundamental biology of breast cancer, ovarian cancer, brain tumors, and the mechanisms of metastasis;
- immunology and transplantation;
- autoimmune disorders;
- ophthalmic pathology;
- cell biology;
- pulmonary disease;
- neurodegenerative disorders;
- smooth muscle pathophysiology; and
- gastrointestinal disease.

Modern techniques and equipment include light, fluorescence, and electron microscopy (both transmission and scanning), laser capture, flow cytometry, DNA, RNA, protein analysis, cell culture, advanced immunological, pharmacological, biochemical, and physiological techniques, as well as morphometry and computer-aided analysis.

***section 10.11.18.5: Master of Science (M.Sc.) Pathology (Thesis) (45 credits)***

Graduates can directly enter rewarding careers in research, or opt to continue with their studies and obtain a Ph.D. Some combine their research training with subsequent training in medicine, law, or business administration.

***section 10.11.18.6: Doctor of Philosophy (Ph.D.) Pathology***

Our graduates enter successful careers in industry, academia, government/international agencies, or clinical medicine, sometimes combining two of these options. They leave McGill with experience in leadership and communication skills in addition to being highly trained in biomedical research, and their career choices include a wide range of administrative and research positions around the world.

**10.11.18.3 Pathology Admission Requirements and Application Procedures**

**10.11.18.3.1 Admission Requirements**

Applicants must have a B.Sc. or an equivalent degree with an extensive background in the physical and biological sciences. An academic record equivalent to or better than a cumulative grade point average (CGPA) of 3.2 out of 4.0 at McGill is required for at least the two final full-time years of undergraduate training, with a minimum CGPA of 3.0 overall. It is an advantage if candidates have very favourable supporting letters or have demonstrated an exceptional aptitude for research. All candidates are expected to apply for scholarships and fellowships, which usually require a higher CGPA or other evidence of excellence.

Non-Canadian applicants are usually required to take the *GRE* in order to properly evaluate their suitability

## 10.11.18.4 Pathology Faculty

### Chair

Z. Gao

### Director of Graduate Program

E. Zorychta

### Professors

M. Auger; M.D.,C.M.(McG.), F.R.C.P.(C)

M.N. Burnier Jr.; M.D., M.Sc., Ph.D.

A. Ferenczy; B.A., B.Sc., M.D.(Montr.)

R. Fraser; B.Sc., M.D.,C.M.(McG.), M.Sc.(Glas.), F.R.C.P.(C)

Z. Gao; M.D., M.Sc.(Qingdao), Ph.D.(Peking), F.R.C.P.(C)

D. Haegert; M.D.(Br. Col.), F.R.C.P.(C)

Q.A. Hamid; M.D.(Mosul), Ph.D.(Lond.) (*James McGill Professor*) (*joint appt. with Medicine*)

R.P. Michel; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)

A. Spatz; M.Sc.(Paris XI), M.D.(Paris VI)

C.M. Telleria; Ph.D.(UNSL, Argentina)

### Associate Professors

L. Alpert; M.D., Ph.D.(Tufts)

J. Arseneau; M.D.(Laval), F.R.C.P.(C)

C. Bernard; M.D.(Sher.), F.R.C.P.(C)

F. Brimo; M.D.(Damascus), F.R.C.P.(C)

S. Camilleri-Broët; M.D., Ph.D.(Paris VI)

B. Case; B.Sc., M.D.,C.M., M.Sc.(McG.), Dipl. Occ. Hyg., F.R.C.P.(C)

M.F. Chen; M.B., B.S.(Monash), F.R.C.P.(C)

M.-C. Guiot; B.Sc., M.D.(Bordeaux)

T. Haliotis; M.D.(Athens), Ph.D.(Qu.), F.R.C.P.(C)

V.A. Marcus; M.D.,C.M.(McG.), F.R.C.P.(C)

R. Onerheim; M.D.(Alta.), F.R.C.P.(C)C

**Assistant Professors**

G.D. Brandao; M.D.(UFJF)  
 J Burnier; Ph.D.(McG.)  
 D. Caglar; M.D.(Gazi)  
 J. Chepovetsky; M.D.(Mount Sinai Sch. of Medicine, New York)  
 A. Florea; M.D.(Iuliu Ha ieganu)  
 L. Fu; M.D.,C.M.(McG.), M.Sc.(McG.), F.R.C.P.(C)  
 A. Gologan; M.D.(Carol Davila, Bucharest)  
 A. Gregorieff; B.Sc.(Laval), M.Sc.(McG.), Ph.D.(Utrecht)  
 S.-M. Jung; M.D.(Chonnam Nat.)  
 Y. Kanber; M.D.(Marmara)  
 J. Karamchandani; M.D.(Stan.)  
 J. Lavoie; B.Sc., M.Sc., Ph.D.(Laval)  
 H.R. Lopez-Valle; M.D.(Univ. Autonoma, San Luis Potosi)  
 A.T. Marcus; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)  
 V.-H. Nguyen; M.D.(Montr.), F.R.C.P.(C)  
 A. Omeroglu; M.D.(Istanbul)  
 G. Omeroglu-Altinel; M.D.(Istanbul)  
 F. Razaghi; M.D.(Beheshti Univ. Medical Sciences, Tehran)  
 S. Sabri; Ph.D.(Paris VII)  
 S. Sandhu; M.B.,B.S.(N. Bengal Medical Coll.)  
 J. St. Cyr; M.D.,C.M.(McG.), F.R.C.P.(C)  
 H. Wang; M.D.(China), F.R.C.P.(C)

**Associate Members**

B. S. Abdulkarim; M.D., Ph.D.(Paris), F.R.C.P.(C)  
 C.J. Baglole; M.Sc.(PEI), Ph.D.(Calg.)  
 P.J. Chauvin; M.Sc.(W.Ont.), D.D.S.(McG.)  
 M. Divangahi; Ph.D.(McG.)  
 S.N.A. Hussain; M.D.(Baghdad), Ph.D.(McG.)  
 G.O.R. Arena; M.D., Chir.Vasc.(Catania), F.R.C.S.(C)  
 N. Jabado; M.D.(Paris VI), Ph.D.(INSERM, Paris)  
 W. Kassouf; M.D.,C.M.(McG.), F.R.C.S.(C)  
 P. Metrakos; M.D.,C.M.(McG.), F.R.C.S.(C)  
 V. Papadopoulos; Ph.D.(Paris VI)  
 M. Park; Ph.D.(Glasgow), F.R.S.C.  
 A. Schwertani; M.D.,C.M., Ph.D.(Lond.)

**10.11.18.5 Master of Science (M.Sc.) Pathology (Thesis) (45 credits)**

All students must take PATH 300 plus a course in statistics if they have not completed these requirements before admission.

Candidates with insufficient background in one of the biomedical sciences will be required to take specific courses to remedy the deficiency. These and additional courses that are relevant to the student's area of research will be chosen in consultation with the research director and Graduate Students Committee.

**Thesis Courses (30 credits)**

PATH 690	(9)	M.Sc. Thesis Research Project 1
PATH 691	(9)	M.Sc. Thesis Research Project 2
PATH 692	(12)	M.Sc. Thesis Research Project 3

#### Required Courses (6 credits)

PATH 620	(3)	Research Seminar 1
PATH 622	(3)	Research Seminar 2

#### Complementary Courses (9 credits)

3 credits, one of the following courses:

PATH 613	(3)	Research Topics in Pathology 1
PATH 614	(3)	Research Topics in Pathology 2

6 credits, two 500-, 600-, or 700-level courses offered by the Department; subject to approval of the research director and Graduate Students Committee, up to 3 credits of 500-, 600-, or 700-level credits may be taken in another department.

#### 10.11.18.6 Doctor of Philosophy (Ph.D.) Pathology

##### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses (12 credits)

PATH 613	(3)	Research Topics in Pathology 1
PATH 614	(3)	Research Topics in Pathology 2
PATH 620	(3)	Research Seminar 1
PATH 622	(3)	Research Seminar 2
PATH 701	(0)	Comprehensive Examination - Ph.D. Candidates

#### Complementary Courses (9 credits)

Three 500-, 600-, or 700-level courses offered by the Department; subject to the approval of the research director and Graduate Students Committee, up to one 500-, 600-, or 700-level course may be taken in another department.

#### 10.11.19 Pharmacology and Therapeutics

##### 10.11.19.1 Location

Department of Pharmacology and Therapeutics  
 McIntyre Medical Sciences Building  
 3655 Promenade Sir-William-Osler, Room 1325  
 Montreal QC H3G 1Y6  
 Canada

Telephone: 514-398-3623

Fax: 514-398-2045

Email: [gradstudies.pm\(McIntyt11 Tm\(y Cour\)Tj1 0 0 1 182 430.583 Tm4 1 81.693 158.nr@mcg 19.caF2 8.1 0 1 293 180.686 Tm\(Department 90.91Y6\)Tj8.246 Tm](mailto:gradstudies.pm(McIntyt11 Tm(y Cour)Tj1 0 0 1 182 430.583 Tm4 1 81.693 158.nr@mcg 19.caF2 8.1 0 1 293 180.686 Tm(Department 90.91Y6)Tj8.246 Tm)

**About Pharmacology and Therapeutics**

francophone), or who completed an undergraduate or graduate degree at a recognized foreign institution where English is the language of instruction are exempt from providing proof of competency in English.

Inquiries relating to all aspects of graduate study should be directed to the [Graduate Coordinator](#), Department of Pharmacology and Therapeutics, as early as possible in each academic year.

### 10.11.19.32 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

#### 10.11.19.32.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Personal Statement
- GRE – required for degrees from outside North America

### 10.11.19.33 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Pharmacology and Therapeutics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	March 15	May 15	May 15
<b>Winter Term:</b>	Feb. 15	Sept. 10	Oct. 15	Oct. 15
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Please refer to our [website](#) for complete deadlines.

Admission to graduate studies is competitive; accordingly

**Professors**

G. Multhaup; Ph.D.(Cologne)  
A. Ribeiro-da-Silva; M.D., Ph.D.(Oporto)  
B. Robaire; Ph.D.(McG.)  
H. Saragovi; Ph.D.(Miami)  
M. Szyf; Ph.D.(Hebrew)  
J. Trasler; M.D.,C.M., Ph.D.(McG.)

**Associate Professors**

S. Nattel; M.D.,C.M.(McG.)  
J. Tanny; Ph.D.(Harv.)  
E. Zorychta; Ph.D.(McG.)

**Assistant Professors**

B. Castagner; Ph.D.(Col.)  
L. Münter; Ph.D.(Free Univ., Berlin)  
J.F. Trempe; Ph.D.(Oxf.)

**Associate Members**

M. Alaoui-Jamali; Ph.D.(Paris IV)  
C. Baglole; Ph.D.(Calg.)  
L. Diatchenko; M.D., Ph.D.(RNRMU)  
L. Fellows; M.D., C.M.(McG.) Ph.D.(Oxf.)  
S. Gauthier; M.D.(Montr.)  
T. Geary; Ph.D.(Mich.)  
B. Jean-Claude; Ph.D.(McG.)  
B. Keiffer; Ph.D.(Strasbourg)  
S. Kimmins; Ph.D.(Dal.)  
S. Laporte; Ph.D.(Sher.)  
C. O'Flaherty; Ph.D.(Buenos Aires)  
P. Rosa-Neto; M.D.(Lisbon), Ph.D.(Aarhus)  
S. Rousseau; Ph.D.(Laval)  
Y. Shir; M.D.(Israel), Ph.D.(Johns Hop.)  
L. Stone; Ph.D.(Minn.)  
M. Ware; M.B.B.S.(West Indies)  
T. P. Wong; Ph.D.(McG.)

**Adjunct Professors**

B. Allen, B. Boivin, S. Chemtob, Y. De Koninck, G. FitzHarris, J. S. Joyal, T. Sanderson

**Affiliate Members**

M. Boucher; Ph.D.(Montr.)  
L. Breton; Ph.D.(Paris)  
L. Garolalo; Ph.D.(McG.)  
J. Gillard; Ph.D.(Tasmania)  
J. Mancini; M.Sc., Ph.D.(McG.)



## Affiliate Members

K. Meerovitch; Ph.D.(McG.)

### **10.11.19.5 Master of Science (M.Sc.) Pharmacology (Thesis) (45 credits)**

The program leading to a master's degree is designed to provide students the opportunity to acquire knowledge in Pharmacology, to conduct a research project, to analyze data, and to write a thesis. Students will also receive

**Required Courses (18 credits)**

PHAR 601	(6)	Research Seminar
PHAR 609	(1)	Research Professionalism for Pharmacologists
PHAR 610	(2)	Scientific Communication for Pharmacologists
PHAR 670	(3)	Principles of Environmental Health Sciences 1
PHAR 671	(3)	Principles of Environmental Health Sciences 2
PHAR 712	(3)	Statistics for Pharmacologists

**Complementary Courses (3 credits)**

3 credits from the following courses:

PHAR 503	(3)	Drug Discovery and Development 1
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### **10.11.19.8 Doctor of Philosophy (Ph.D.) Pharmacology: Environmental Health Sciences**

The Ph.D. in Pharmacology; Environmental Health Sciences program is designed to train professionals for advanced basic research, teaching, and leadership positions in environmental health sciences. The Option will add a distinct focus on the interplay between the environment and health research. Students will acquire a broad environmental perspective, including e

**section 10.11.20.5: Master of Science (M.Sc.) Physiology (Thesis) (45 credits)**

The M.Sc. program is intended for students from an academic background wishing to pursue careers in academia, industry, or in medicine. The multidisciplinary nature of the Department exposes students to a vast array of research interests and experimental approaches. Thesis work is available in a broad range of disciplines from molecular and cellular to systems physiology covering multiple organ systems. Students wishing to continue to the doctoral program have the option of transferring to the Ph.D., and waiving the M.Sc. thesis submission.

**section 10.11.20.6: Master of Science (M.Sc.) Physiology (Thesis): Bioinformatics (45 credits)**

*This program is currently not offered.*

The intention of the Bioinformatics option is to train M.Sc. students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating of bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics option will be fluent in the concepts, language, approaches, and limitations of the field. The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

**section 10.11.20.7: Master of Science (M.Sc.) Physiology (Thesis): Chemical Biology (45 credits)**

The Chemical Biology option is designed to expose students to aspects of drug design and development, as well as their application to the study of physiological and pathophysiological processes. In addition to thesis work with appropriate mentors, students will participate in lectures, seminars, courses, and thematic workshops; all of which are designed to familiarize students with the current state of the field. This interdisciplinary approach will develop researchers interested in academic careers or in the pharmaceutical and biotechnology industries.

**section 10.11.20.8: Doctor of Philosophy (Ph.D.) Physiology**

The doctoral program is intended for students from a strong academic background wishing to pursue research-intensive careers in academia, industry, or in medicine. The multidisciplinary nature of the Department exposes students to a vast array of research interests and experimental approaches. Thesis work provides in-depth training in a broad range of disciplines from molecular and cellular to systems physiology covering multiple organ systems.

**section 10.11.20.9: Doctor of Philosophy (Ph.D.) Physiology: Bioinformatics**

*This program is currently not offered.*

The intention of the Bioinformatics option is to train Ph.D. students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating of bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics option will be fluent in concepts, language, approaches, and limitations of the field. The option consists of a number of interdisciplinary courses and a

or who completed an undergraduate or graduate degree at a foreign institution where English is the language of instruction are exempt from providing proof of competency in English.

**10.11.20.32 Application Procedures**

McGill'

**Emeritus Professors**

Douglas G.D. Watt; M.D., Ph.D.(McG.)

**Professors**

Maurice Chacron; Ph.D.(Ott.)

Monroe W. Cohen; B.Sc., Ph.D.(McG.)

Ellis J. Cooper; B.Eng.(Sir G. Wms.), M.Sc.(Surr.), Ph.D.(McM.)

Leon Glass; B.S.(Brooklyn), Ph.D.(Chic.) (*Rosenfeld Professor of Medicine*) (joint appt. with Medicine)

Phil Gold; C.C., B.Sc., M.Sc., Ph.D., M.D.,C.M.(McG.), F.R.C.P.(C), F.R.S.C. (*Douglas G. Cameron Professor of Medicine*) (joint appt. with Medicine)

John Hanrahan; Ph.D.(Br. Col.)

David Goltzman; B.Sc., M.D.,C.M.(McG.) (*Antoine G. Massabki Professor of Medicine*) (joint appt. with Medicine)

Gergely Lukacs; M.D., Ph.D.(Budapest)

Sheldon Magder; M.D.(Tor.) (joint appt. with Medicine)

Jacopo P. Mortola; M.D.(Milan)

John Orłowski; B.Sc.(McG.), M.Sc., Ph.D.(Qu.) (*James McGill Professor*)

Premysl Ponka; M.D., Ph.D.(Prague) (joint appt. with Medicine)

Alvin Shrier; B.Sc.(C'dia), Ph.D.(Dal.) (*Hosmer Professor of Physiology*)

John White; B.Sc., M.Sc.(Car.), Ph.D.(Harv.) (joint appt. with Medicine)

**Associate Professors**

Erik Cook; Ph.D.(Baylor Coll., Tx)

Mladen Glavinovic; B.Sc.(Zagreb), M.Sc.(Tor.), Ph.D.(McG.)

Michael Guevara; Ph.D.(McG.)

Russell Jones; Ph.D.(Tor.)

Ursula Stochaj; Ph.D.(Cologne)

**Associate Professor (Part-time)**

Nicole Bernard; B.Sc.(McG.), Ph.D.(Duke)

**Assistant Professors**

Claire Brown; B.Sc.(St. Mary's), Ph.D.(W. Ont.)

Gil Bub; B.Sc., Ph.D.(McG.)

Anmar Khadra; B.Sc.(C'dia), M.Sc., Ph.D.(Wat.)

Connie Krawczyk; B.Sc.(Guelph), Ph.D.(Tor.) (joint appt. with Microbiology & Immunology)

Arjun Krishnaswamy; B.Sc. Ph.D.(McG.)

Judith Natalia Mandl; B.Sc.(Warw.), Ph.D.(Emory)

Anastasia Nijnik; M.Biochem., Ph.D.(Oxf.)

Masha Prager-Khoutorsky; B.Sc., Ph.D.(Hebrew)

Daniela Quail; B.Sc., Ph.D.(W.Ont.)

Reza Sharif-Naeini; B.Sc.(Montr.), M.Sc., Ph.D.(McG.)

Melissa Vollrath; B.Sc.(Wisc.), Ph.D. (Baylor Coll., Houston)

**Associate Members**

*Anaesthesia*: Steven Backman

*Biomedical Engineering*: Robert Kearney, Satya Prakash

*Biomedical Ethics*: Jennifer Fishman

## **Associate Members**

*Kinesiology and Physical Education:* Dilson Rassier

*Mathematics:* Anthony Humphries

*Medicine:* Nicole Bernard, Volker Blank, Mark Blostein, Andrey Cybulsky, Geoffrey Hendy, Louise Larose, Anne-Marie Lauzon, Serge Lemay, James Martin, Barry Posner, Shafaat Rabbani, Simon Rousseau, Mary Stevenson, Tomoko Takano, Elena Torban, Simon Wing

*Microbiolo*

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PHGY 601	(1)	M.Sc. Proposal Seminar
PHGY 602	(2)	Literature Search and Research Proposal
PHGY 604	(0)	Responsible Conduct in Research
PHGY 607	(3)	Laboratory Research 1
PHGY 608	(3)	Laboratory Research 2

**Complementary Courses (6 credits)**

6 credits to be chosen from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics

**10.11.20.7 Master of Science (M.Sc.) Physiology (Thesis): Chemical Biology (45 credits)**

The Graduate Option in Chemical Biology is centered on the pursuit of an original research project under the direction of one or more program mentors. This research training is augmented by student participation in lecture and seminar courses and in a series of thematic workshops, all of which are designed to expose students to the diverse approaches and research issues that characterize the current state of the field. Students with training in this interdisciplinary approach will be highly qualified to seek careers in academic research as well as the pharmaceutical and biotechnology industries.

**Thesis Courses (27 credits)**

PHGY 621	(12)	Thesis 1
PHGY 622	(12)	Thesis 2
PHGY 623	(3)	M.Sc. Final Seminar

**Required Courses (12 credits)**

PHGY 601	(1)	M.Sc. Proposal Seminar
PHGY 602	(2)	Literature Search and Research Proposal
PHGY 604	(0)	Responsible Conduct in Research
PHGY 607	(3)	Laboratory Research 1
PHGY 608	(3)	Laboratory Research 2
PHGY 620	(3)	Progress in Research

**Complementary Courses (6 credits)**

3 credits from the following Chemical Biology seminars:

BIOC 610	(1)	Seminars in Chemical Biology 1
BIOC 611	(1)	Seminars in Chemical Biology 3
BIOC 689	(1)	Seminars in Chemical Biology 2
BIOC 690	(1)	Seminars in Chemical Biology 4

3 credits from the following:

CHEM 502	(3)	Advanced Bio-Organic Chemistry
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CHEM 503	(3)	Drug Discovery
PHAR 503	(3)	Drug Discovery and Development 1

**10.11.20.8 Doctor of Philosophy (Ph.D.) Physiology****Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses (8 credits)**

PHGY 604	(0)	Responsible Conduct in Research
PHGY 701	(0)	Ph.D. Comprehensive Examination
PHGY 703	(1)	Ph.D. Progress Seminar 1
PHGY 704	(1)	Ph.D. Progress Seminar 2
PHGY 720	(1)	Ph.D. Seminar Course 1
PHGY 721	(1)	Ph.D. Seminar Course 2
PHGY 722	(1)	Ph.D. Seminar Course 3
PHGY 723	(1)	Ph.D. Seminar Course 4
PHGY 724	(1)	Ph.D. Seminar Course 5
PHGY 725	(1)	Ph.D. Seminar Course 6

**Elective Courses (9 credits)**

9 credits of Physiology or Science at the 500 level or above, in consultation with the GSAAC and the candidate's supervisor.

**10.11.20.9 Doctor of Philosophy (Ph.D.) Physiology: Bioinformatics****Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses (11 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PHGY 604	(0)	Responsible Conduct in Research
PHGY 701	(0)	Ph.D. Comprehensive Examination
PHGY 703	(1)	Ph.D. Progress Seminar 1
PHGY 704	(1)	Ph.D. Progress Seminar 2
PHGY 720	(1)	Ph.D. Seminar Course 1
PHGY 721	(1)	Ph.D. Seminar Course 2
PHGY 722	(1)	Ph.D. Seminar Course 3
PHGY 723	(1)	Ph.D. Seminar Course 4
PHGY 724	(1)	Ph.D. Seminar Course 5
PHGY 725	(1)	Ph.D. Seminar Course 6

### Complementary Courses (6 credits)

6 credits to be chosen from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics

### 10.11.20.10 Doctor of Philosophy (Ph.D.) Physiology: Chemical Biology

The Graduate Option in Chemical Biology is centered on the pursuit of an original research project under the direction of one or more program mentors. This research training is augmented by student participation in lecture and seminar courses and in a series of thematic workshops, all of which are designed to expose students to the diverse approaches and research issues that characterize the current state of the field. Students with training in this interdisciplinary approach will be highly qualified to seek careers in academic research as well as the pharmaceutical and biotechnology industries.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (11 credits)

BIOC 610	(1)	Seminars in Chemical Biology 1
BIOC 611	(1)	Seminars in Chemical Biology 3
BIOC 689	(1)	Seminars in Chemical Biology 2
BIOC 690	(1)	Seminars in Chemical Biology 4
PHGY 604	(0)	Responsible Conduct in Research
PHGY 701	(0)	Ph.D. Comprehensive Examination
PHGY 703	(1)	Ph.D. Progress Seminar 1
PHGY 704	(1)	Ph.D. Progress Seminar 2
PHGY 720	(1)	Ph.D. Seminar Course 1
PHGY 721	(1)	Ph.D. Seminar Course 2
PHGY 722	(1)	Ph.D. Seminar Course 3

Canada  
 Telephone: 514-398-4176  
 Fax: 514-398-4370  
 Email: [graduate.psychiatry@mcgill.ca](mailto:graduate.psychiatry@mcgill.ca)  
 Website: [www.mcgill.ca/psychiatry](http://www.mcgill.ca/psychiatry)

### 10.11.21.2 About Psychiatry

McGill University's Department of Psychiatry is one of the most prestigious in the world. In the 1950s and 60s, Heinz Lehmann conducted the first North American clinical trials for antipsychotic and antidepressant medications. Theodore Sourkes identified the core neurobiological features of Parkinson's disease, and Eric Wittkower and Jack Fried brought together scholars from Anthropology and Psychiatry to create Transcultural Psychiatric Studies. Since then, faculty members and graduate students continue outstanding research in addictions; Alzheimer's and childhood disorders; eating, personality, and mood disorders; stress; trauma; and psychosis. The work is conducted in people and animal models, and also benefits from expertise ranging from neuroimaging and epigenetics to mental health services and public policy. Our work remains at the cutting edge of research on health, disease, and recovery.

#### *section 10.11.21.5: Master of Science (M.Sc.) Psychiatry (Thesis) (45 credits)*

The graduate program in Psychiatry is designed to provide advanced research training in the basic, applied, and social sciences relevant to issues in psychiatry. Applicants are admitted from a wide range of backgrounds, including undergraduate degrees in relevant areas (e.g., psychology, neuroscience, sociology, medical anthropology, nursing, and medicine), and those who are pursuing their psychiatry residency at McGill. Most, though not all students, continue to a Ph.D. program. The graduate program does not provide clinical training.

### 10.11.21.3 Psychiatry Admission Requirements and Application Procedures

#### 10.11.21.31 Admission Requirements

- A B.Sc., B.A., B.N., or M.D. degree
- A strong background in science and/or social science, as demonstrated by academic achievement equivalent to a GPA of 3.3 (on a 4-point scale) or 3.5 in the last two years
- A written agreement from the proposed research supervisor, and student's statement of purpose for seeking an M.Sc.
- An outline of the proposed thesis research, to be written by the prospective student in collaboration with an appropriate research supervisor
- Two letters of reference
- Sufficient funding to support their studies
- *TOEFL* or *IELTS* certificate of proficiency in English for non-Canadian applicants whose mother tongue and language of education is not English, with a minimum score of 86 on the TOEFL Internet-based test (iBT; or 550 on the paper-based test [PBT]), with each component score not less than 20, or 6.5 on the IELTS test

#### 10.11.21.32 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

#### *10.11.21.32.1 Additional Requirements*

The items and clarifications below are additional requirements set by this department:

- Personal Statement – describing the specific reasons for seeking a Master of Science degree in Psychiatry
- Letters of Reference – with Applicant Evaluation checklist forms (see Department [website](#))
- Written Confirmation of Supervision form (see Department [website](#)) from the proposed research supervisor

#### 10.11.21.33 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Psychiatry and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	March 15	March 15	March 15
<b>Winter Term:</b>	Feb. 15	Sept. 10	Sept. 10	Sept. 10



## Pr

S. King; Ph.D.(Virg.)

L.J. Kirmayer; B.Sc., M.D.,C.M., Dipl.Psych.(McG.) (*James McGill Professor*)

M. Lepage; B.A.(C'dia), Ph.D.(UQAM)

M. Leyton; Ph.D.(C'dia) (*William Dawson Scholar*)

G. Luheshi; Ph.D.(Newcastle, UK)

A. Malla; M.B.B.S.(Panjab)

M.J. Meaney; B.A.(Loyola), M.A., Ph.D.(C'dia) (*James McGill Professor*)

V.N.P. Nair; M.B., B.S.(Kerala), D.P.M.(Mys.)

R. Palmour; B.A., Ph.D.(Texas)

J. Paris; M.D.,C.M.(McG.)

J.C. Perry; M.D.(Duke)

R.O. Pihl; B.A.(Lawrence), Ph.D.(Ariz.) (*Psychology*)

J. Poirier; Ph.D.(Montr.)

R. Quirion; M.Sc., Ph.D.(Sher.)

C. Rousseau; M.Sc.(McG.), M.D.,C.M.(Sher.)

L.K. Srivastava; B.Sc., M.Sc.(Allahabad), Ph.D.(J. Nehru)

H. Steiger; Ph.D.(McG.)

B. Thombs; B.A.(N'western), M.A.(Ariz.), Ph.D.(NYU)

G. Turecki; M.Sc., M.D.,C.M., Ph.D.(McG.) (*William Dawson Scholar*)

C.-D. Walker; B.Sc., Ph.D.(Geneva)

A. Young; B.A., M.A., Ph.D.(Penn.)

## Associate Professors

J. Armony; B.Sc.(Buenos Aires), M.Sc., Ph.D.(NYU)

P. Assalian; Dip.Psycholiz.) (

## Associate Professors

K.G. Gill; B.Sc.(Br. Col.), M.A., Ph.D.(C' dia)  
G. Gobbi; M.D.(Rome), Ph.D.(Cagliari)  
I. Gold; Ph.D.(Princ.)  
A. Granich; M.D.(McG.), F.R.C.P.  
B. Greenfield; M.D.(Wash.)  
N. Grizenko; M.D.,C.M.(Sher.)  
D. Groleau; B.Sc., M.Sc., Ph.D.(Montr.)  
R. Gruber; B.A., M.S., Ph.D.(Tel Aviv)  
K. Igartua; M.D.,C.M. F.R.C.P.(C)(McG.)  
M. Israël; B.Sc., Gr.Dip.Psych.(McG.), M.A.(Qu.), M.D.,C.M.(McG.)  
E. Jarvis; M.D.(Alta.), M.Sc.(McG.), F.R.C.P.  
T. Kolivakis; M.D.(Athens)  
M. Lalinec-Michaud; B.A., M.D.,C.M.(Paris IV)  
K. Looper; B.Sc., M.D.(Ott.), M.Sc.(McG.)  
O. Mantere; M.D.(Helsinki)  
H. C. Margolese; M.D.(McG.), C.M., M.Sc.  
N. Mechawar; B.Sc., M.Sc., Ph.D.(Montr.)  
R. Montoro; M.D.,C.M., M.Sc., F.R.C.P.(C)  
G. Myhr; M.D.,C.M., M.Sc.(McG.)  
L. Nadeau; M.D.(Montr.)  
J. Naiman; B.A., M.D.,C.M.(McG.)  
J. Palacios-Boix; M.D., F.R.C.P.(C)  
J. Pecknold; B.Sc.(C' dia), M.D.,C.M.(McG.)  
M. Perreault; Ph.D.(Montr.)  
A. Propst; B.Sc., Dip.Psychol., M.D.,C.M.(McG.)  
M.N. Rajah; B.Sc., M.A., Ph.D.(Tor.)  
R.A. Ramsay; B.Sc., Gr.Dip.Psychiat., M.D.,C.M.(McG.)  
A. Raz; M.Sc., Ph.D.(Hebrew)  
J. Renaud; M.Sc., M.D.(Montr.)  
S. Renaud; M.D.(Laval)  
B.M. Robertson; Dip.Psychol.(McG.), M.B.,Ch.B.(Otago)  
J. Rochford; M.A.(Qu.), Ph.D.(C' dia)  
P. Rosa; M.D.(Rio Grande do Sul), Ph.D.(Aarhus)  
Z. Rosberger; Ph.D.(C' dia)  
M. Ruiz Casares Yebenes; Ph.D.(Cornell)

## Associate Professors

A. Wazana; B.A.(McM.), M.Sc.(Col.), M.Sc.(McG.), M.D.(McM.)

S. Williams; Ph.D.(Montr.)

G. Wiviott; B.Sc.(Wisc.), Gr.Dip.Psychiat.(McG.), M.D.,C1g9n

## Assistant Professors

S. Ducharme; M.D.(Montr.)

H. Dymetryszyn; Ph.D.

M. Elie; B.Sc., M.D.,C.M.(McG.)

C.P. Ernst; B.Sc.(McG.), M.Sc.(Br. Col.), Ph.D.(McG.)

J. Errunza; M.D.(McG.)

K. Faridi; M.D.(Calg.)

K. Fathalli; M.D.(Tunis)



**Assistant Professors**

E. Lizondo; M.D.,C.M.(Nat. Univ. Central Buenos Aires)

G.L. Low; B.A.(Qu.), Dip.Psychol.(McG.), M.D.,C.M.(Ott.)

N.C.P. Low; M.D., M.Sc.(McG.)

W. Ma; M.D., M.Sc.(Tongji), Ph.D.(McG.)

S. K. Margolese; Ph.D.

R. Martins; Ph.D.(Montr.)

N. Masrouha; M.D.(Sher.)

T. Measham; B.Sc., M.D.(McG.)

X. Meng; Ph.D.

M. Messier; B.A.(Montr.), M.B.A.(HEC)

G. Meterissian; Gr.Dip.Psychiat.(McG.), M.D.,C.M.(Montr.)

T.M. Milroy; B.Sc., M.D.,C.M.(Md.), Gr. Dip. Psychiat.(McG.)

M. Miresco; M.D.,C.M.(McG.)

F. Nazlie; M.D.

J.P. Near; Ph.D.(W. Ont.)

T. V. Nguyen; M.D.

K. O'Donnell; Ph.D.(Imp. Coll. Lon.)

J.A. O'Neil; B.A.(C'dia), Dip.Psychol., M.D.,C.M.(McG.)

M.A. Ouimet; D.M.D.(Sher.), Gr.Dip.Psychiat.(McG.)

M. Piat; Ph.D.(Laval)

L. Pinard; M.D.(Montr.), F.R.C.P.(C)

Z. Prelevic; Dip.Psychol.(McG.), M.D.,C.M.(Belgrade)

A. Propst; M.D.

M. Rabinovitch; B.Sc., M.D.,C.M.(McG.)

S. Rej; M.D., M.Sc.(McG.)

S.B. Rosenbloom; B.A.(C'dia), M.A.(York)

C. Roy; B.Sc.(McG.), M.D.,C.M.(Dal.)

J. Russell; Ph.D.(McG.)

T. Said; B.Sc.(McG.), M.D.,C.M.(Sher.)

H. Schwartz; M.D.(McG.)

M. Segal; B.A.(C'dia), B.Sc.(O.T.)(McG.), M.D.,C.M.(Ott.)

J. Seguin; B.A., B.Sc., M.D.,C.M.(Ott.)

T. Semeniuk; B.Sc., M.Ed., M.D.,C.M.(Alta.)

J. Shah; M.Sc.(Lond.), M.D.(Tor.)

O. Sidhom; M.D.

M. Sigman; B.A.(McG.), M.A., Ph.D.(C'dia)

P.P. Silveira; M.D., Ph.D.

I. Spector; B.A.(McG.), M.Sc., Ph.D.(Syrac.)

K.A. Steger; M.D., Ph.D.(Texas, Southwest. Med. Cent.)

L. Stern; M.D.(McG.)

A. St-Hilaire; M.Sc.(McG.), Ph.D.(Ohio)

M. St-Laurent; M.D.(Montr.)

**Assistant Professors**

N. Szkrumelak; B.Sc., M.D.,C.M.(McG.)  
 K. Tabbane; M.D., Ph.D.(Tunisia)  
 M. Temple; M.D.  
 P. Tetreault; M.D.,C.M.(Sher.)  
 L. Thaler; Ph.D.(Nevada)  
 L. Tourian; M.D.(McG.)  
 A. Traicu; M.D.(McG.)  
 J. Tremblay; B.A.(Montr.), M.Sc.(McG.), M.D.,C.M.(Montr.)  
 F. van den Eynde; M.A.(Florence), Ph.D.(King's College), M.D.(Ghent)  
 S. Vida; B.Sc.(Ott.), M.D.,C.M.(McG.)  
 S. Villeneuve; Ph.D.(Montr.)  
 J. Vogel; M.D.,C.M.(Manit.)  
 R. Whitley; B.S., M.S., Ph.D.(Lond.)  
 A. Wilner; B.A., M.D.,C.M.(McG.)  
 M.A. Wolf; M.Sc., M.D.,C.M.(Strasbourg)  
 Y. Wolf; M.D.(McG.)  
 G. Zahirney; M.D.(McG.)  
 T. Y. Zhang; Ph.D.(McG.)  
 V. Zicherman; B.Sc., M.D.,C.M.(McG.)  
 D. Zigman; M.D.(McG.)  
 E. Zikos; M.D.(Montr.)

**Lecturers**

F. Amdiss, A.D. Basque, N. Beauchemin, T. Bedrossian, J.F. Belair, F. Bensaada, I. Blais, C. Blake, M. Boisvert, C.M.J. Brebion, E. Casimir, E. Cauchois, P. Chan, M.B. Cotfas, M. Coward, M.H.N. Dinh, H.C. Dube, J.A. Farquhar, H. Goldhaar, C. Hamel, P. Harden, J. Harvey, M. Heyman, H.G. Jean-Francois, D. Kunin, N. Kuperstok, R.A. Labonte, P. Lamoureux, S. Mauger, V. Mbekou, D. Michaud, D.F.S. Monti, K. Myron, J.P. O'Donnell, R. Orenman, R. Payeur, L. Peters, M. Pickles, G. Pierre-Louis, M. Quintal, K. Richter, D.T. Rochon, A. Ross-Chouinard, A. Schiavetto, V. Tagalakis, F.C. Toma, O. Triffault, S. Wisebord, D. Zack, C.H.A. Zarowsky

**Associate Members**

R.C. Bagot, S. Bond, J.L. Derevensky, M. Drapeau, A. Evans, L. McVey, T. Montreuil, G. O'Driscoll, J. I. Trakadis, D. Zuroff

**Adjunct Professors**

M. Alda, P. Blier, L. Booij, W. Brender, A. Daigneault, A. Duffy, D. Fikretoglu, R. Fugere, A. Gagnon, J.-M. Guile, F. Jollant, V. Kovess-Masfety, A. Lesage, F. Lesperance, S. J. Lloyd, A. Maccordick, T. Ngo-Minh, J. Pruessner, M. Pruessner, S. Richard-Devantoy, A. Ryder, S. Sultan, C. Tranulis, P. Vitali

**Post-Retirement**

D. P. Dastoor, J. P. Ellman

**10.11.21.5 Master of Science (M.Sc.) Psychiatry (Thesis) (45 credits)**

The M.Sc. in Psychiatry is administered by the Graduate Training Committee. Each student selects a Supervisory Committee composed of the research supervisor plus two to four other faculty who are knowledgeable about the student's research area and who can advise both on appropriate coursework and on the thesis research project. The student will meet with this Supervisory Committee at least once during each year of matriculation for the purpose of evaluating academic and research progress of the student. The Supervisory Committee will also act as a resource body for the student, both with respect to academic and administrative matters.

**Thesis Courses (36 credits)**

PSYT 691 (12) Thesis Research 1

PSYT 692	(12)	Thesis Research 2
PSYT 693	(12)	Thesis Research 3

### **Complementary Courses (9 credits)**

9 credits of graduate-level courses approved by the student's Supervisory Committee.

Courses are selected on the basis of the area of research interest and the background of the student, and must include a course in statistical analysis if not presented upon admission.

## **10.11.22 Surgery, Experimental**

### **10.11.22.1 Location**

Surgery, Experimental  
Montreal General Hospital, Room C9-169  
1650 Cedar Avenue  
Montreal QC H3G 1A4  
Canada  
Graduate Program Coordinator: Sharon Turner  
Telephone: 514-934-1934, ext. 42837  
Email: [gradstudies.surgery@mcgill.ca](mailto:gradstudies.surgery@mcgill.ca)  
Website: [www.mcgill.ca/experimentalsurgery](http://www.mcgill.ca/experimentalsurgery)

### **10.11.22.2 About Experimental Surgery**

Experimental Surgery offers graduate-level training leading to an **M.Sc.** or a **Ph.D.** degree. At the master's level, in addition to the core program, those who are interested have a new opportunity to choose a concentration in Surgical Innovation, Surgical Education, or Global Surgery. The Experimental Surgery Department is responsible for the administration of the graduate programs and allows excellent opportunities for training under the supervision of professors located in the Research Institute of the McGill University Health Centre or other McGill teaching hospitals. The scope of the research and close connections with other Montreal research centres and McGill departments th Centre or ov lco

***section 10.11.22.8: Master of Science (M.Sc.) Experimental Surgery (Thesis): Surgical Innovation (45 credits)***

multidisciplinary teams in the creation of novel, needs-driven and marketable prototypes used in development of novel surgical and medical devices. As such, participants work in these teams to identify clinical needs and to innovate solutions to them.

***section 10.11.22.9: Master of Science (M.Sc.) Experimental Surgery (Non-Thesis) (45 credits)***

This is a graduate level training program in fundamentals of modern surgical research. The program is based primarily on academic course work and short projects. It is designed to be flexible and provide students the opportunity to gain knowledge in various surgical core disciplines while allowing training opportunities in more specific areas such as global surgery, innovation, education or as the interest of the students dictates.

***section 10.11.22.10: Doctor of Philosophy (Ph.D.) Experimental Surgery***

The doctoral program is intended for students with excellent academic standing who wish to pursue research-focused careers in academia, the medical field, or industry. Thesis projects, available in the various laboratories of the Department, ensure that students receive in-depth training and exposure to varied conceptual frameworks and a wide array of experimental strategies.

***section 10.11.22.11: Graduate Certificate (Gr Cert.) Surgical Innovation (15 credits)***

The centre of this graduate program is two innovation courses (EXSU 620 and EXSU 621) delivered by the McGill Department of Surgery. The first semester of the program focuses on team building and, supported by lectures, the students embark on a needs-finding process by observing all aspects of clinical activity in their focus themes.

*101122321 Additional Requirements*

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Research Project Proposal
- Confirmation of Supervisor
- Memorandum of Agreement
- Tuition Assistance

**Additional Requirements for the Concentrations in Surgical Education and Surgical Innovation**

- Letter of Intent – A letter of intent from the students describing their reacoconcentrations in Sur

## Professors

G.M. Fried; B.Sc., M.D.,C.M.(McG.)  
P.H. Gordon; M.D.(Sask.)  
R. Hamdy; M.Sc., M.D.(Egypt), F.R.C.S.(C)  
E. Harvey; B.Sc.(Ont.), M.D.,C.M., M.Sc.(McG.)  
T.E. Hebert; Ph.D.(Tor.)  
J.E. Henderson; Ph.D.(McG.)  
J.M. Laberge; M.D.(Laval)  
S. Meterissian; M.D.,C.M., M.Sc.(McG.)  
P. Metrakos; B.Sc., M.D.(McG.), F.R.C.S.(C)  
D.S. Mulder; M.D.(Sask.), M.Sc.(McG.)  
A. Philip; M.Sc., Ph.D.(McG.)  
L. Rosenberg; M.Sc., M.D., Ph.D.(McG.)  
D. Shum-Tim; M.Sc., M.D.,C.M.(McG.)  
R. St. Arnaud; Ph.D.(Laval)  
T. Taketo-Hosotani; B.Sc., M.Sc., Ph.D.(Kyoto)  
M. Tanzer; M.D.,C.M.(McG.), F.R.C.S.(C)  
C.I. Tchervenkov; B.Sc., M.D.,C.M.(McG.), F.R.C.S.(C)  
J.I. Tchervenkov; M.D.,C.M.(McG.), F.R.C.S.(C)  
R. Turcotte; M.D.(Montr.)

## Associate Professors

M. Basik; M.D.,C.M., M.Sc.(McG.)  
S. Bergman; M.Sc., M.D.,C.M.(McG.), F.R.C.S.(C)  
O. Blaschuk; B.Sc.(Winn.), M.Sc.(Manit.), Ph.D.(Tor.)  
R. Cecere; M.D.,C.M., B.Sc.(McG.), F.R.C.S.(C), A.B.S., F.A.C.S.  
D. Fleischer; B.Sc., M.D.,C.M.(McG.)  
S. Fraser; B.Sc., M.D.(Tor.), M.Sc.(McG.), F.R.C.S.(C)  
M. Gilardino; M.D.,C.M., M.Sc.(McG.), F.R.C.S.(C), F.A.C.S.  
L. Haglund; B.Sc., Ph.D.(Lund)  
K.J. Lachapelle; M.Sc., M.D.,C.M.(McG.)  
J. Lapointe; M.D., Ph.D.(Laval)  
L. Lessard; B.Sc., M.D.(Laval), F.R.C.S.(C)  
A. Meguerditchian; M.D., M.Sc.(Montr.), F.R.C.S., F.A.C.S.  
C. O'Flaherty; D.V.M., Ph.D.(Buenos Aires)  
S. Paraskevas; M.D., Ph.D.(Laval)  
P. Puligandla; M.D., M.Sc.(W. Ont.), F.R.C.S.(C)  
J. Sampalis; M.Sc., Ph.D.(McG.)  
T. Steffen; M.D.(Switz.), Ph.D.(McG.)  
A. Thomson; Ph.D.(Lond.)  
D. Zukor; B.Sc., M.D.,C.M.(McG.)

## Assistant Professors

A. Dragomir; M.Sc., Ph.D.(Montr.)

### Assistant Professors

J. Faria; M.D.,C.M., M.Sc.(McG.), F.R.C.S.(C)  
J. Fiore; M.Sc.(Fed. U. Sao Paulo), Ph.D.(Melb.)  
L. Haglund; B.Sc., Ph.D.(Lund)  
O. Huk; B.Sc., M.D.,C.M.(McG.), M.Sc.(Montr.)  
P. Jarzem; B.Sc., M.D.(Qu.)  
E. Lee; B.A.(Boston), M.Sc., Ph.D.(McG.)  
K. Mackenzie; B.Sc.(Br. Col.), M.D.,C.M.(McG.), F.R.C.S.(C)  
E. Mitmaker; M.D.(TJU), M.Sc.(McG.), F.R.C.S.(C)  
M. Petropavlovskaja; M.Sc., Ph.D.(Moscow)  
N. Saran; M.D., B.Sc.(Br. Col.)  
K. Shaw; M.D.,C.M., M.Sc.(McG.)

### Associate Members

M.N. Burnier  
M. Cantarovich  
J.C. Chen  
F. Cury  
C.E. Ferland-Legault  
P. Goldberg  
A. Gursahaney  
J. Henderson  
D. Juncker  
S. Komarova  
J.J. Lebrun  
N.M. Makhoul  
S. Mayrand  
M. Murshed  
P.H-N. Nguyen  
S. Prakash  
L.A. Stein  
M. Tabrizian  
B.M. Willie

### Professor of Practice

S. Arless; B.Sc.(McG.)

#### 10.11.22.5 Master of Science (M.Sc.) Experimental Surgery (Thesis) (45 credits)

The M.Sc. in Experimental Surgery offers a graduate-level training program in experimental surgery, leading to a Master's degree. This program allows for a hands-on learning experience for students to develop skills necessary to work within multidisciplinary teams in the creation of novel, needs driven, and marketable prototypes used in development of novel surgical and medical devices. As such participants work in multidisciplinary teams. The program offers settable prot. 8.

EXSU 691	(4)	M.Sc. Research 2
EXSU 692	(4)	M.Sc. Research 3
EXSU 693	(18)	M.Sc. Thesis

**Required Courses (12 credits)**

EXSU 601	(6)	Knowledge Management
EXSU 605	(3)	Biomedical Research Innovation

And:

3 credits from the following:

EDPE 575	(3)	Statistics for Practitioners
EPIB 507	(3)	Biostats for Health Sciences
EXSU 606	(3)	Statistics for Surgical Research

**Complementary Courses (3 credits)**

3 credits, taken from 500, 600, or 700 level courses in consultation with the Research Advisory Committee.

Depending on their individual background, students may be asked by their Research Supervisory Committee to take additional courses.

**10.11.22.6 Master of Science (M.Sc.) Experimental Surgery (Thesis): Global Surgery (45 credits)**

The M.Sc. in Experimental Surgery, Concentration in Global Surgery, emphasizes health care needs specifically within the surgical field in resource-limited settings. It comprises three main pillars: research, education, and mentorship. Through extensive research work, students will participate in the design and implementation of innovative approaches in surgical care and injury surveillance, advancing the surgical capacities in low and middle income countries. Students will also participate in global surgical endeavors allowing professionals from partner countries and C rB6dato ten



in best practices of educational research. The research project may encompass, but is not limited to, surgical stimulation, technical skills acquisition, surgical technology, and assessment.

**Thesis Courses (30 credits)**

EXSU 690	(4)	M.Sc. Research 1
EXSU 691	(4)	M.Sc. Research 2
EXSU 692	(4)	M.Sc. Research 3
EXSU 693	(18)	M.Sc. Thesis

**Required Courses (9 credits)**

EDPH 689	(3)	Teaching and Learning in Higher Education
EXSU 603	(3)	Skills Acquisition and Performance
EXSU 605	(3)	Biomedical Research Innovation

**Complementary Courses (6 credits)**

3 credits from the following:

EDPE 575	(3)	Statistics for Practitioners
EDPE 637	(3)	Issues in Health Professions Education
EXSU 606	(3)	Statistics for Surgical Research

And:

3 credits, taken from 500-, 600-, or 700-level courses in consultation with the Research Advisory Committee.

Depending on their individual backgrounds, students may be asked by their Research Advisory Committee to take additional courses.

**10.11.22.8 Master of Science (M.Sc.) Experimental Surgery (Thesis): Surgical Innovation (45 credits)**

**Revision, March 2018. Start of revision.**

The M.Sc. in Experimental Surgery, Concentration in Surgical Innovation, offers graduate-level training program in experimental surgery, leading to a Master's degree. This concentration allows for a hands-on learning experience for students to develop skills necessary to work within multidisciplinary teams.

EPIB 507	(3)	Biostats for Health Sciences
EXSU 606	(3)	Statistics for Surgical Research

**Revision, March 2018. End of revision.**

**10.11.22.9 Master of Science (M.Sc.) Experimental Surgery (Non-Thesis) (45 credits)**

EDPE 637	(3)	Issues in Health Professions Education
EDPE 687	(3)	Qualitative Methods in Educational Psychology
EDPH 689	(3)	Teaching and Learning in Higher Education
EPIB 641	(1)	Substantive Epidemiology 1
EPIB 643	(1)	Substantive Epidemiology 3
EPIB 681	(3)	Global Health: Epidemiological Research
EXMD 609	(3)	Cellular Methods in Medical Research
EXMD 610	(3)	Molecular Methods in Medical Research
EXSU 620	(3)	Surgical Innovation 1
EXSU 621	(3)	Surgical Innovation 2
EXSU 623	(6)	Surgery Research Project 2
EXSU 684	(3)	Signal Transduction
FMED 619	(3)	Program Management in Global Health & Primary Health Care
PHGY 517	(3)	Artificial Internal Organs
PHGY 518	(3)	Artificial Cells
PHGY 550	(3)	Molecular Physiology of Bone
PPHS 511	(3)	Fundamentals of Global Health
PPHS 529	(3)	Global Environmental Health and Burden of Disease

**Electives (6 credits)**

6 credits taken from 500-, 600-, or 700-level courses at the University will be taken with the approval of the director of the program/adviser.

The core of this 15-credit graduate program consists of two innovation courses (EXSU 620 and EXSU 621) delivered by McGill Department of Surgery, with some sessions offered by external partners: John Molson School of Business (lean start-up), Concordia (software development, Intellectual Property & IP), and ETS (prototyping). the first semester of the program core focuses on team building and, supported by lectures, the students embark on a needs-finding process by observing all aspect of clinical activity in their focus themes. Trainees learn basic prototyping skills, start up organization and project management, supplemented by a basic statistics course and an introduction to the current status of biomedical research innovation. This certificate provides a solid foundation in the innovation process.

**Required Courses (15 credits)**

12 credits in:

EXSU 605	(3)	Biomedical Research Innovation
EXSU 619	(3)	The Hospital Environment
EXSU 620	(3)	Surgical Innovation 1
EXSU 621	(3)	Surgical Innovation 2

And:

3 credits from the following:

EDPE 575	(3)	Statistical Principles in Research
EPIB 507	(3)	Biostats for Health Sciences
EXSU 606	(3)	Statistics for Surgical Research

Some courses may be substituted with equivalents if timetabling requires it.

**Revision, March 2018. End of revision.**

**10.11.22.12 Graduate Diploma (Gr. Dip.) Surgical Innovation (30 credits)**

**Revision, March 2018. Start of revision.**

The cores of this 30-credit program are two-fold. Firstly, two innovation courses are offered by the McGill Department of Experimental Surgery (EXSU 620-Surgical Innovation and EXSU 621-Surgical Innovation) and a statistics course (STAT 507) is offered by the Department of Statistics. The second semester of the program core focuses on team building and, supported by lectures, the students embark on a needs-finding process by observing all aspect of clinical activity in their focus themes. Trainees learn basic prototyping skills, start up organization and project management, supplemented by a basic statistics course and an introduction to the current status of biomedical research innovation. This certificate provides a solid foundation in the innovation process.

CACC 520	(3)	Accounting for Management
CMR2 542	(3)	Marketing Principles and Applications
CPL2 510	(3)	Communication and Networking Skills

Or:

9 credits of graduate-level courses taken at Concordia University, chosen in consultation with the program director/adviser.

### Elective Course (3 credits)

3 credits at the 500 level or higher, taken in consultation with the program director/adviser.

Some courses may be substituted with equivalents at the 500 level or higher if timetabling or background of the student requires it, e.g., prior qualification in accounting.

**Revision, March 2018. End of revision.**

## 11 Schulich School of Music

### 11.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 9,000 graduate students in over 400 programs. *GPS* is here to support you from admissions through to graduation and beyond. We take a holistic approach to graduate student success; we support not only your academic development, but also your career-planning and professional development, and your well-being and student life. I invite you to consult the website *Resources for Your Success*, which is a one-stop-shop for the many resources and support systems in place for you across the University.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*  
Dean, Graduate and Postdoctoral Studies

### 11.2 Graduate and Postdoctoral Studies

#### 11.2.1 Administrative Officers

##### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)	<b>Dean (Graduate and Postdoctoral Studies)</b>
Robin Beech; B.Sc.(Nott.), Ph.D.(Edin.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
France Bouthillier; B.Ed., C.Admin.(UQAM), M.B.S.I.(Montr.), Ph.D.(Tor.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Jean-Jacques Lebrun; B.Sc.(La Roche-sur-Yon), M.Sc.(Rennes), Ph.D.(Paris V)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Elisa Pylkkanen; B.A., M.A.(McG.)	<b>Director (Graduate and Postdoctoral Studies)</b>

#### 11.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal QC H3A 0G4  
Website: [www.mcgill.ca/gps](http://www.mcgill.ca/gps)



**Note:** For inquiries regarding specific graduate programs, please contact the appropriate department.

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### 11.2.3 Graduate and Postdoctoral Studies' Mission

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic excellence for graduate and postdoctoral education at McGill. GPS provides leadership and strategic direction across the university, in close collaboration with the academic and administrative units and the graduate and postdoctoral community.

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## 11.3 Important Dates

For all dates relating to the academic year, consult [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

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## 11.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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## 11.5 Program Requirements

Refer to [University Regulations & Resources](#) > [Graduate](#) > [Regulations](#) > [section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Ad Personam Programs (Thesis Option Only)
- Coursework for Graduate Programs, Diplomas, and Certificates

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## 11.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.4: Graduate Admissions and Application Procedures](#) for information on:

- Application for Admission
- Admission Requirements
- Application Procedures
- Competency in English

and other important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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## 11.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, aw

## 11.8.1 Postdocs

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services.



Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. A summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at [www.mcgill.ca/gps/funding/getting-paid](http://www.mcgill.ca/gps/funding/getting-paid) under "Leave Policies and Form."

## 11.8.5 Postdoctoral Research Trainees

### Eligibility

If your situation does not conform to the Government of Quebec's definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

**Category 1:** An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

**Category 2:** An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

**Category 3:** An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

### General Conditions

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diploma
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The individual must have adequate proficiency in English, but is not required to provide official proof of English competency to Enrolment Services
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training
- The individual will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities)
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage



The **Graduate Certificate** in Performance – Choral Conducting is designed for choral conductors wishing to perfect their technical, pedagogical, and musical skills. This flexible program allows conductors to develop their craft while maintaining their professional activities.

The **Graduate Diploma** in Performance is a one-year graduate diploma that allows excellent musicians to refine their technique and master repertoire through intensive coaching, practice, and performance projects.

The **Graduate Artist Diploma** in Performance is the uppermost diploma offered at the Schulich School of Music. It is tailored for artists wishing to achieve the highest level of artistry in their craft.

The **Doctor of Music degree (D.Mus.)** is offered in Composition and Performance Studies while the **Doctor of Philosophy degree (Ph.D.)** is available in Composition, Music – Gender and Women’s Studies, Music Education, Musicology0 0 1 33d Tmcd.976455.9oviry in their craft.

***section 11.11.1.6: Master of Arts (M.A.) Music: Music Education (Thesis) (45 credits)***

For more information, see [www.mcgill.ca/music/programs/ma-music-education](http://www.mcgill.ca/music/programs/ma-music-education).

***section 11.11.1.7: Master of Arts (M.A.) Music: Music Technology (Thesis) (45 credits)***

The M.A. in Music Technology is the only program of its kind in the world to apply cutting-edge scientific research to music and music making. Students are accepted from a wide range of musical backgrounds. Research goals are tied to the work of the area's five faculty members and include the dev



**section 11.11.1.18: Master of Music (M.Mus.) Performance: *Orchestral Instruments, Guitar (Thesis) (45 credits)***

quartet training program and trail-blazing pedagogical approaches. Brass and wind musicians also perform a wide range of large ensemble repertoire for their instruments; percussionists perform, tour, and record with the esteemed McGill Percussion Ensemble. Thesis recitals foster individual creativity and diversity by offering a range of options important for orchestral musicians—orchestral excerpt exams run like orchestral auditions, chamber music recitals, and concerto competitions—as well as solo recitals, sound recording, and interdisciplinary projects including collaborations with composers and the Digital Composition Studio, among others.

There is a focus on healthy performance and a broad range of seminars that ground performance practice in the broader humanistic and scientific contexts of music and artistic research-creation. Ensemble conductors are world-class; faculty include the concertmasters and principal players of major Canadian orchestras, including the Montreal Symphony Orchestra; percussion instructors have international profiles and a breadth of experience in world and contemporary repertoires.

Graduates have pursued positions in orchestras throughout North and South America, Europe, and Africa. The Orchestral Instruments and Guitar Thesis students have performed with the Orchestre Métropolitain, the Orchestre de la Suisse Romande, the Orchestre de la Ville de Montréal, and others.

For more information, see [www.mcgill.ca/music/programs/mmus-orchestral-instruments-guitar](http://www.mcgill.ca/music/programs/mmus-orchestral-instruments-guitar).

**section 11.11.1.19: Master of Music (M.Mus.) Performance: *Collaborative Piano (Thesis) (45 credits)***

Students in this program develop their artistry as collaborative musicians in vocal, instrumental, and opera repertoire settings. The program is not a chamber music program in that it prepares pianists to assume coaching responsibilities as well as collaborate with other musicians. Candidates need to have excellent technique and interpretative skills, sight-reading abilities, and previous collaborative experience. The program is flexibly defined to allow students to specialize or gain experience in a variety of settings and with a broad cross-section of vocal, instrumental, orchestral, and theatrical repertoire. Concert recitals, choral ensembles, studio lessons with high-quality performers, and opera productions provide professional settings in which students master their craft. Faculty includes internationally renowned collaborative pianists, vocal coaches, conductors, and stage directors.

Graduates pursue careers as collaborative pianists, accompanists, opera répétiteurs, studio teachers, and coaches.

For more information, see [www.mcgill.ca/music/programs/mmus-collaborative-piano](http://www.mcgill.ca/music/programs/mmus-collaborative-piano).

**section 11.11.1.20: Master of Music (M.Mus.) Performance: *Piano (Thesis) (45 credits)***

The M.Mus in Piano develops artistic expression and interpretative skills by immersing the advanced pianist in a vibrant musical environment. The flexibly designed program revolves around an integrated piano seminar involving all studios and includes collaborative opportunities in instrumental, vocal, and contemporary music performance at a high level, piano pedagogy, and performance practice through fortepiano/harpsichord study as options. Recital options include solo and chamber music performance, sound recording, and interdisciplinary projects, including collaborations with strong composition students and the Digital Composition Studio. Dynamic faculty performs internationally and has diverse teaching, coaching, and adjudicating experience in a broad range of solo, chamber, and concerto repertoires.

Graduates often continue their studies at the doctoral level, have been selected for national/international competitions, and pursue careers as collaborative pianists, opera coaches, and independent studio teachers.

For more information, see [www.mcgill.ca/music/programs/mmus-piano](http://www.mcgill.ca/music/programs/mmus-piano).

**section 11.11.1.21: Master of Music (M.Mus.) Performance: *Organ and Church Music (Thesis) (45 credits)***

This program provides talented organists and church music scholars with an opportunity to hone their artistry and interpretive skills. The flexibly designed program combines performance with seminars in historically informed performance practice, music and liturgy, counterpoint, improvisation, continuo playing, and choral conducting, among other options. Thesis performance options allow for creativity and diversity by including options for solo and chamber music recitals, concerto performances, recording projects, church music projects, and opportunities for interdisciplinary research and collaborations with strong composers and other departments. Students benefit from excellent facilities that include practice organs built by Beckerath, Casavant, Tsuji, W

*section 11.11.1.23: Master of Music (M.Mus.) Performance: Opera and Voice (Thesis) (45 credits)*

The M.Mus in Opera and Voice develops vocal growth and artistic expression by immersing students in a vibrant musical environment that blends performance training with humanities-based scholarship. The flexibly designed program provides the option for students to specialize in opera performance or to develop artistry in a variety of solo and operatic repertoires.

There are three opera productions every year, including one Baroque opera with period instruments. Other performance opportunities include solo recitals, studio concerts, Cappella Antica, oratorios, chamber music ensembles, master classes with leading artists in the field, recording projects, and interdisciplinary

**section 11.11.1.28: Doctor of Music (D.Mus.) Music: Performance Studies**

This program is for the inspired artist/scholar interested in expanding horizons. Students perform at a professional or near-professional level, are curious, and have research interests linked to their artistic practice. A broad range of seminars explore performance practice in the broader humanistic and scientific contexts of music, while encouraging the critical thinking and the fertile exchange of ideas that promote new ways of engaging with music. Two performance (recital/recording) projects extend repertoire interests. Comprehensive examinations develop credentials in three areas of expertise in preparation for teaching careers, while articulating the background and critical issues surrounding students' thesis work. The latter consists of a lecture/recital and a paper (including a recording of the recital). The artistic research may assume a variety of forms from the study of scores, works, and contextual influences through the analysis of performance itself and the creation of new works.

Students benefit from exceptional mentoring by internationally renowned coaches, the research expertise of faculty from the Department of Music Research, master classes, opportunities to collaborate with strong composition students, and the rich performance life of the Schulich School of Music and Montreal. Students win major fellowships (SSHRC, Fulbright, FRQSC, Canada Council).

Graduates have won major national and international competitions and pursue teaching and performing careers in a wide variety of contexts globally.

For more information, see [www.mcgill.ca/music/programs/dmus-performance](http://www.mcgill.ca/music/programs/dmus-performance).

**section 11.11.1.29: Doctor of Philosophy (Ph.D.) Music (Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory)**

The thesis for the Ph.D. in composition involves the creation of an original large-scale work and research that increases our understanding of music and musical processes. Students in music education investigate a broad spectrum of critical issues through a variety of quantitative and qualitative methodologies. The Musicology area adopts a humanistic orientation that bridges traditional methodologies with new critical approaches. Research in Music Technology and Sound Recording can lead to patents, among other outcomes and benefits from unlimited technological resources. Theorists engage with all repertoires and analytical methods.

For more information, see [www.mcgill.ca/music/admissions/graduate/doctoral](http://www.mcgill.ca/music/admissions/graduate/doctoral).

**section 11.11.1.30: Doctor of Philosophy (Ph.D.) Music: Gender and Women's Studies**

This program is open to doctoral students who are interested in cross-disciplinary research that focuses on issues centrally related to gender, sexuality, feminist theory, and/or women's studies. Music requirements are augmented by participation in a Research Methods course and a Graduate Feminism Symposium that engages with a diverse array of critical and empirical perspectives. The program draws on the resources of the McGill Institute for Gender, Sexuality, and Feminist Studies that includes faculty and graduate students from across the University. Supporting music faculty has interests in Opera, film studies, aesthetics, theory of performance, and popular/jazz studies.

For more information, see [www.mcgill.ca/music/admissions/graduate/doctoral](http://www.mcgill.ca/music/admissions/graduate/doctoral).

**11.11.1.3 Schulich School of Music Admission Requirements and Application Procedures****11.11.1.3.1 Admission Requirements****Master's Degrees**

Applicants for the master's degree must hold a bachelor's degree or its equivalent (as determined by McGill University), typically with a Major in music, including considerable work done in the area of specialization.

Applicants found to be deficient in their background preparation may be required to take certain additional undergraduate courses.

All applicants (except those for Performance, Musicology, and Sound Recording) will be required to take placement examinations.

All M.Mus. performance applicants are required to pass an audition. Applicants can attend a live audition or submit recorded material.

Conducting, female voice, and jazz applicants who apply for the live audition option must submit screening material for pre-selection. Following a review of these materials, selected applicants will be invited to attend a live audition. For more information, see [www.mcgill.ca/music/programs](http://www.mcgill.ca/music/programs).

Specific admission and document requirements for each program are outlined at [www.mcgill.ca/music/admissions/graduate/masters](http://www.mcgill.ca/music/admissions/graduate/masters).

**Graduate Diploma in Performance**

Applicants for the Graduate Diploma in Performance must hold a B.Mus. or a B.A. degree with a Major or an Honours in music, a licentiate, or an M.Mus., including considerable work in the area of specialization. All diploma applicants are required to pass an audition. Applicants can attend a live audition or submit recorded material. Female voice and jazz applicants who apply for the live audition option will be required to submit screening material for pre-selection. Following a review of these materials, selected applicants will be invited to attend a live audition; see [www.mcgill.ca/music/admissions/graduate/diploma](http://www.mcgill.ca/music/admissions/graduate/diploma). Specific admission and document requirements for each program are outlined at [www.mcgill.ca/music/admissions/graduate](http://www.mcgill.ca/music/admissions/graduate).

**Graduate Artist Diploma**

Applicants for the Graduate Artist Diploma must hold a M.Mus., D.Mus., or Graduate Performance Diploma with a Major in music, including considerable work in the area of specialization. Applicants who hold a B.Mus. can apply to enter the two-year Artist Diploma, where they will complete one year in the Graduate Diploma in Performance and continue in the Artist Diploma in year two. All diploma applicants are required to pass an audition. Applicants can attend a live audition or submit recorded material. Female voice applicants who apply for the live audition option will be required to submit screening material for pre-selection. Following a review of these materials, selected applicants will be invited to attend a live audition; see [www.mcgill.ca/music/admissions/graduate/diploma](http://www.mcgill.ca/music/admissions/graduate/diploma). Specific admission and document requirements for each program are outlined at [www.mcgill.ca/music/admissions/graduate](http://www.mcgill.ca/music/admissions/graduate).



**D.Mus. Degree**

Applicants for the D.Mus. degree in Composition must hold an M.Mus. degree in Composition, or its equivalent, and must submit scores and/or recordings of their compositions at the time of application.

Applicants for the D.Mus. degree in Performance Studies must hold an M.Mus. degree in Performance, or its equivalent, and are required to submit screening material, samples of written work, and a statement of proposed artistic research interests by the specified application deadlines. Following a review of these

#### Associate Dean (Research and Administration)

Lloyd Whitesell

#### Associate Dean (Academic and Student Affairs)

John Mac Master

#### Professors

David Brackett; B.A.(Calif.-Santa Cruz), M.M.(NEC), D.M.A.(Cornell)

William Caplin; B.M.(USC), M.A., Ph.D.(Chic.) (*James McGill Professor*)

Brian Cherney; B.Mus., M.Mus., Ph.D.(Tor.)

Kevin Dean; B.M.E.(Iowa), M.Mus.(Miami)

Hans-Ola Ericsson; Mus. Dir. Exam.(Royal Swedish Academy of Music), Graduate, Hochschule für Musik(Freiburg)

Kyoko Hashimoto; B.Mus.(Tokyo), Professional Studies(Juilliard)

Steven Huebner; B.A., B.Mus., L.Mus.(McG.), M.F.A., Ph.D.(Princ.) (*James McGill Professor*)

Stéphane Lemelin; B.Mus., M.Mus.(Peabody Inst.), D.M.A.(Yale)

Stephen McAdams; B.Sc.(McG.), Ph.D.(Stan.), D.Sc.(Paris) (*Canada Research Chair*)

Brenda Ravenscroft; B.Mus.(Cape Town), M.Mus.(King's, Lond.), Ph.D.(Br. Col.)

John Rea; B.Mus.(Wayne), M.Mus.(Tor.), M.F.A., Ph.D.(Princ.)

Peter Schubert; B.A., M.A., Ph.D.(Col.)

Marcelo Wanderley; B.Eng.(Federal Univ. of Paraná), M.Eng.(Federal Univ. of Santa Catarina), Ph.D.(Paris VI & IRCAM) (*William Dawson Scholar*)

Wieslaw Woszczyk; M.A., Ph.D.(F. Chopin Academy of Music, Warsaw) (*James McGill Professor*)

#### Associate Professors

Stefano Algieri; B.Mus., M.Mus.(Manhattan School of Music)

Lisa Barg; B.A.(Antioch), M.A., Ph.D.(SUNY Stony Brook)

Theodore Baskin; B.Mus.(Curtis), M.Mus.(Auck.), Principal Oboe, Montreal Symphony

Tom Beghin; Diplôme Supérieur(Louvain), M.A., D.M.A.(Cornell)

Nicole Biamonte; B.F.A.(SUNY Purchase), Ph.D., M.Phil.(Yale)

Rémi Bolduc

Denys Bouliane; B.Mus., M.Mus.(Laval), Graduate, Hochschule für Musik(Hamburg)

Alain Cazes; Premier Prix(Cons. de Montréal)

Carolyn Christie; B.Mus.(McG.)

Julie Cumming; B.A.(Col.), M.A., Ph.D.(Calif., Berk.)

Martha de Francisco; Diploma(Musikkhochschule, Detmold)

Philippe Depalle; B.Sc.(Paris XI and ENS Cachan), D.E.A.(Le Mans and ENS Cachan), Ph.D.(Le Mans and IRCAM)

Sean Ferguson; B.Mus.(Alta.), M.Mus., D.Mus.(McG.)

Mark Fewer; B.Mus.(Tor.) (*William Dawson Scholar*)

Ichiro Fujinaga; B.Mus., B.Sc.(Alta.), M.A., Ph.D.(McG.)

Matt Haimovitz; B.A.(Harv 396.16 Tm0 0 1 51B.Mus., B.Sc.(A333C0 00 0 1 51B.Mat92atm6Peab 1 70 70.52 160.36 e.psonm(a), M.Mus.(ofurMiami))Tj1 0 0 1 70128

## Associate Professors

Timothy Hutchins; Dip. L.G.S.M.(Guildhall), B.A.Hons.Mus.(Dal.), Principal Flute, Montreal Symphony

Richard King; B.Mus.(Dal.), M.Mus.(McG.)

Hank Knox; B.Mus., M.Mus.(McG.)

Roe-Min Kok; B.Mus.(Texas), M.A.(Duke), Ph.D.(Harv.)

Sara Laimon; B.Mus.(Br. Col.), M.Mus.(Yale), D.M.A.(SUNY Stony Brook)

Jacqueline Leclair; B.Mus.(Eastman Sch. of Music), M.Mus., D.M.A.(SUNY Stony Brook)

Philippe Leroux; Premier Prix(Conservatoire National Supérieur de Musique et de Danse de Paris)

Jean Lesage; Concours, Diplôme d'études supérieures(Cons. de Montréal)

Fabrice Marandola; Premier Prix(Cons. de Paris), M.Mus., Ph.D.(Sorbonne)

George Massenburg

Michael McMahon; B.Mus.(McG.), Graduate, Hochschule für Musik(Vienna)

Douglas McNabney; B.Mus.(Tor.), M.M.(W. Ont.), D.Mus.(Montr.)

Marina Mdivani; Post-graduate Dip.(Moscow Cons.)

Christoph Neidhöfer; Graduate, Hochschule für Musik(Basel), Ph.D.(Harv.)

Jean-Michel Pilec

Ilya Poletaev; B.Mus.(Tor.), M.Mus., M.A., D.M.A.(Yale)

André Roy; B.Mus.(Curtis)

Gary Scavone; B.Sc., B.A.(Syrac.), M.Sc., Ph.D.(Stan.)

Richard Stoelzel; B.Mus.(S. Miss.), M.Mus.(Conn.)

Axel Strauss; Dipl.(Musikhochschule Rostock), Prof. Studies Cert.(Juilliard)

Joe Sullivan; B.A.(Ott.), M.M.(New England Cons.)

André White; B.A.(C' dia), M.Mus.(McG.)

Lloyd Whitesell; B.A.(Minn.), M.A., Ph.D.(SUNY Stony Brook)

Jonathan Wild; B.Mus., M.A.(McG.), Ph.D.(Harv.)

## Assistant Professors

Simon Aldrich; B.Mus., L.Mus.(McG.)

Guillaume Bourgogne; Premier Prix(CNSMDP)

James Box; B.M.(Southern Methodist U.), M.M.(Cleve. Inst. of Music), Principal Trombone, Montreal Symphony

Isabelle Cossette; Premier Prix(Cons. de Québec), M.Mus.(McG.), D.Mus.(Montr.)

Alain Desgagné; Premier Prix(Cons. de Québec), M.Mus.(N'western)

Russell DeVuyt; B.Mus.Ed.(Boston Cons.), M.M.(New England Cons.)

Elizabeth Dolin; B.Mus.(Tor.), Artist Dip.(Ind.)

Jean Gaudreault; LL.L.(Montr.), Graduate(Cons. de Québec), Montreal Symphony

Stephen Hargreaves; B.Mus.(Ind.)

Edward Klorman; B.Mus.(Juilliard), M.A., Ph.D.(CUNY)

Joanne Kolomyjec; B.Mus.(Tor.)

Dominique Labelle; L.Mus.(McG.), Artist Dip.(Boston)

Stéphane Lévesque; Premier Prix(Cons. de Montréal), M.Mus.(Yale), Principal Bassoon, Montreal Symphony

Lisa Lorenzino; B.Mus.(Tor.), B.Ed.(Sask.), M.A.(McG.), Ph.D.(Alta.)

John Mac Master; L.Mus.(McG.)

**Assistant Professors**

Violaine Melançon; Premier Prix(CMQQ/Curtis Inst.)

Annamaria Popescu; A. Dip.(Acad. of Vocal Arts)

Richard Roberts; B.Mus.(Ind.), Concertmaster, Montreal Symphony

Brian Robinson; B.Mus.(Tor.), Montreal Symphony

Jennifer Swartz; Dip.(Curtis), Principal Harp, Montreal Symphony

Jean-Sébastien Vallée; B.Mus.(Laval), Grad.Dip.(Sher.), M.Mus.(Calif.-Santa Cruz), D.M.A.(Ill.-Urbana-Champaign)

Andrew Wan; B.Mus.(Juilliard), Concertmaster, Montreal Symphony

Lena Weman; M.A.(Uppsala), Ph.D.(Luleå)

Ali Yazdanfar; B.A.(Johns Hop.), Principal Bass, Montreal Symphony

**Adjunct Professors**

Durand Begault; B.A.(Calif.-Santa Cruz), M.F.A.(Mills Coll., Calif.), Ph.D.(Calif.-San Diego)

Jonas Braasch; Dipl. Physics (Dortmund), Doct-Eng, Ph.D.(Ruhr-Univ. Bochum)

Rachelle Chiasson-Taylor; M.Mus., D.Mus., Ph.D.(McG.)

Steven Dann; B.Mus.(Tor.)

Steven Epstein; B.S.(Hofstra)

Jean Piché

Axel Mulder; Drs.(Rijks Universiteit Groningen), Ph.D.(S. Fraser)

Marc-Pierre Verge; B.A., M.Sc.(Laval), Ph.D.(Eiden.)

Jérémie Voix; M.Sc.A.(Sher.), Ph.D.(ÉTS)

**11.11.1.5 Master of Music (M.Mus.) Music: Composition (Thesis) (45 credits)**

Additional prerequisite courses may be assigned to candidates in Composition, Music Education, Music Theory, Music Technology, and Musicology following transcript review and/or placement exams.

**Thesis Courses (27 credits)**

The thesis is a composition, accompanied by an analytical essay of approximately 20-30 pages.

MUGS 684	(6)	Master's Thesis Research 2
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

**Required Courses (6 credits)**

MUCO 622D1	(3)	Composition Tutorial
MUCO 622D2	(3)	Composition Tutorial

**Complementary Courses (6 credits)**

6 credits selected from the following courses:

MUCO 631	(3)	Seminar in Composition 1
MUCO 632	(3)	Seminar in Composition 2
MUCO 633	(3)	Seminar in Composition 3
MUCO 634	(3)	Seminar in Composition 4
MUCO 635	(3)	Seminar in Composition 5
MUCO 636	(3)	Seminar in Composition 6



MUGS 686 (12) Master's Thesis Research 4

**Required Course (3 credits)**

MUHL 529 (3) Proseminar in Musicology

**Complementary Courses (12 credits)**

12 credits of graduate seminars at the 500, 600, or 700 level, approved by the Department. Normally 6 credits will be in Seminars in Musicology selected from the following:

MUHL 680 (3) Seminar in Musicology 1  
MUHL 681 (3) Seminar in Musicology 2  
MUHL 682 (3) Seminar in Musicology 3  
MUHL 683 (3) Seminar in Musicology 4  
MUHL 684 (3) Seminar in Musicology 5  
MUHL 685 (3) Seminar in Musicology 6  
MUHL 692 (3) Seminar in Music Literature 1

**11.11.1.9 Master of Arts (M.A.) Music Musicology (Thesis): Gender and Women's Studies (45 credits)**

Additional prerequisite courses may be assigned to candidates in Composition, Music Education, Music Theory, Music Technology and Musicology following transcript review and/or placement exams.

**Thesis Courses (27 credits)**

The candidate will undertake supervised research leading to a thesis that will be an in-depth investigation in some specialized field of Musicology on a topic centrally related to issues of Gender and/or Women's Studies.

MUGS 684 (6) Master's Thesis Research 2  
MUGS 685 (9) Master's Thesis Research 3  
MUGS 686 (12) Master's Thesis Research 4

**Required Courses (6 credits)**

MUHL 529 (3) Proseminar in Musicology  
WMST 601 (3) Feminist Theories and Methods

**Complementary Courses (12 credits)**

9 credits of graduate seminars at the 500, 600, or 700 level, approved by the Department. Normally, 6 credits will be seminars in Musicology selected from the following:

MUHL 680 (3) Seminar in Musicology 1  
MUHL 681 (3) Seminar in Musicology 2  
MUHL 682 (3) Seminar in Musicology 3  
MUHL 683 (3) Seminar in Musicology 4  
MUHL 684 (3) Seminar in Musicology 5  
MUHL 685 (3) Seminar in Musicology 6  
MUHL 692 (3) Seminar in Music Literature 1

3 credits of:

WMST 602 (3) Feminist Research Symposium

Or 3 credits of a graduate seminar at the 500, 600, or 700 level, on gender/women's issues, may be selected from within or outside of the Department. The selection must be approved by the Department.

#### 11.11.1.10 Master of Music (M.Mus.) Sound Recording (Non-Thesis) (60 credits)

##### Program Prerequisites (27 credits)

Required Courses (21 credits)

MUCO 260	(3)	Instruments of the Orchestra
MUMT 250	(3)	Music Perception and Cognition
MUSR 232	(3)	Introduction to Electronics
MUSR 300D1	(3)	Introduction to Music Recording
MUSR 300D2	(3)	Introduction to Music Recording
MUSR 339	(3)	Introduction to Electroacoustics
PHYS 224	(3)	Physics of Music

Complementary Music Technology Courses (6 credits)

3 credits from:

MUMT 202	(3)	Fundamentals of New Media
MUMT 203	(3)	Introduction to Digital Audio

3 credits from:

MUMT 302	(3)	New Media Production 1
MUMT 306	(3)	Music and Audio Computing 1

1) Students admitted as a Special Student in the prerequisite package for Sound Recording must meet with the Sound Recording Adviser prior to registering in MUMT (Music Technology) courses. In order to be considered for admission to the Master of Music in Sound Recording, students must attain a minimum grade of B in all of the above courses, and must have a B.Mus. degree with a minimum CGPA of 3.00.

2) MUMT 202 and MUMT 203 cover overlapping material, but MUMT 203 requires a much strong04603 r2a(u.638.eti3.3))Tj1 0 0 1 70.52erlapping mat 1 0 0 1 178nk0jt

MUSR 674	(3)	Electronic and Electroacoustic Measurement
MUSR 677D1	(3)	Audio for Video Post-Production
MUSR 677D2	(3)	Audio for Video Post-Production
MUSR 678	(3)	Advanced Digital Editing and Post-Production

### **Electives Courses (9 credits)**

Three 3-credit graduate course electives, approved by the Department.

### **11.11.1.11 Master of Arts (M.A.) Music: Theory (Thesis) (45 credits)**

Additional prerequisite courses may be assigned to candidates in Composition, Music Education, Music Theory, Music Technology, and Musicology following transcript review and/or placement exams.

### **Thesis Courses (30 credits)**

The candidate will undertake supervised research leading to a thesis that will be an in-depth investigation in some specialized field of Music Theory.

MUGS 683	(3)	Master's Thesis Research 1
MUGS 684	(6)	Master's Thesis Research 2
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

### **Complementar**



WMST 601                    (3)                    Feminist Theories and Methods

**Complementary Courses (15 credits)**

9 credits of graduate seminars at the 500, 600, or 700 level, approved by the Department, selected from the following:

MUTH 652	(3)	Seminar in Music Theory 1
MUTH 653	(3)	Seminar in Music Theory 2
MUTH 654	(3)	Seminar in Music Theory 3
MUTH 655	(3)	Seminar in Music Theory 4
MUTH 656	(3)	Seminar in Music Theory 5
MUTH 657	(3)	Seminar in Music Theory 6

3 credits selected from the following:

MUTH 658	(3)	History of Music Theory 1
MUTH 659	(3)	History of Music Theory 2

3 credits of:

WMST 602	(3)	Feminist Research Symposium
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or 3 credits of graduate seminar at the 500, 600, or 700 level, on gender/women's issues, may be selected from within or outside the Department. The selection must be approved by the Department.

**Master of Art75dt.**

**Required Courses (21 credits)**

Seven 3-credit courses at the 500, 600, or 700 level approved by the Musicology Area, four of which must be in the Musicology Area.

One of the courses must be:

MUHL 529	(3)	Proseminar in Musicology
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**11.11.1.15 Master of Arts (M.A.) Music: Theory (Non-Thesis) (45 credits)**

Additional prerequisite courses may be assigned to candidates in Composition, Music Education, Music Theory, Music Technology, and Musicology following transcript review and/or placement exams.

**Research Project (24 credits)**

MUGS 614	(3)	Reading Course 1
MUGS 615	(3)	Reading Course 2
MUGS 635	(9)	Research Paper 1
MUGS 636	(9)	Research Paper 2

**Required Courses (21 credits)**

Seven 3-credit graduate courses at the 500, 600, or 700 level approved by the Music Theory Area, four of which must be in Music Theory.

One of the courses must be selected from the following:

MUTH 658	(3)	History of Music Theory 1
MUTH 659	(3)	History of Music Theory 2

**11.11.1.16 Master of Music (M.Mus.) Performance: Jazz Performance (Thesis) (45 credits)**

Saxophone, Trumpet, Trombone, Drums, Piano, Guitar, Bass, Voice

The following program prerequisites may be assigned as additional required courses on the basis of transcript review:

MUHL 393	(3)	History of Jazz
MUJZ 440D1	(2)	Advanced Jazz Composition
MUJZ 440D2	(2)	Advanced Jazz Composition
MUJZ 461D1	(2)	Advanced Jazz Arranging
MUJZ 461D2	(2)	Advanced Jazz Arranging
MUJZ 493	(3)	Jazz Performance Practice

**Required Courses (12 credits)**

MUIN 626	(3)	Jazz Performance/Composition Tutorial 1
MUIN 627	(3)	Jazz Performance/Composition Tutorial 2
MUIN 628	(3)	Jazz Performance/Composition Tutorial 3
MUJZ 601	(3)	Jazz Pedagogy

**Complementary Courses (33 credits)**

33 credits from one of the following streams:

**Stream A - Jazz Performance**

3 credits from:

MUPG 695 (3) Graduate Jazz Improvisation Seminar

22 credits from:

MUJZ 640	(2)	Jazz Composition & Arranging 1
MUJZ 641	(2)	Jazz Composition & Arranging 2
MUPG 651	(9)	Performance/Composition Recital Project
MUPG 659	(9)	Performance in Recording Media

3 credits of graduate seminar courses at the 600-level, approv

The following program prerequisites may be assigned as additional required courses on the basis of transcript review:

MUPD 560	(1)	Introduction to Research Methods in Music
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3 credits from the following:

MUHL 377	(3)	Baroque Opera
MUHL 380	(3)	Medieval Music
MUHL 381	(3)	Renaissance Music
MUHL 382	(3)	Baroque Music
MUHL 383	(3)	Classical Music
MUHL 395	(3)	Keyboard Literature before 1750
MUPP 381	(3)	Topics in Performance Practice
MUTH 426	(3)	Topics in Early Music Analysis

Fortepiano students:

MUHL 366	(3)	The Era of the Fortepiano
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Harpsichord students:

MUPG 272D1	(2)	Continuo
MUPG 272D2	(2)	Continuo
MUPG 372D1	(1)	Continuo
MUPG 372D2	(1)	Continuo

Organ/Lute students:

MUPG 272D1	(2)	Continuo
MUPG 272D2	(2)	Continuo

Voice students:

MUPG 210	(2)	Italian Diction
MUPG 211	(2)	French Diction
MUPG 212	(2)	English Diction
MUPG 213	(2)	German Diction

### **Thesis Performance (27 credits)**

18 credits:

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622**	(3)	Performance Tutorial 3
MUIN 622D1**	(1.5)	Performance Tutorial 3
MUIN 622D2**	(1.5)	Performance Tutorial 3

MUPG 600*	(9)	Recital Project 1
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\* Solo Recital only

\*\* Student may take either MUIN 622 or MUIN 622D1 and MUIN 622D2.

9 credits from:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 604	(6)	Chamber Music Recital
MUPG 605	(3)	Recording Project
MUPG 606**	(3)	Interdisciplinary Project 1
MUPG 607**	(6)	Interdisciplinary Project 2
MUPG 614*	(3)	Quick Study

\* Voice Only

\*\* Students may take either MUPG 606 or MUGP 607

#### Required Course

MUGS 605	(0)	Graduate Performance Colloquium
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#### Complementary Seminars (9 credits)

3 credits from the following:

MUPG 590*	(3)	Vocal Styles and Conventions
MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUPG 575D1**	(1.5)	Liturgical Organ Playing
MUPG 575D2**	(1.5)	Liturgical Organ Playing
MUPG 590*	(3)	Vocal Styles and Conventions
MUPG 691	(3)	Vocal Ornamentation
MUTH 602	(3)	Keyboard Modal Counterpoint

or one graduate 3-credit seminar approved by the Department.

\* If not already taken

\*\* May be repeated once

**Complementary Performance (9 credits)**

Instruments:

3 terms of:

MUEEN 580 (1) Early Music Ensemble

6 credits from (may be taken more than once):

MUEEN 569 (1) Tabla Ensemble

MUEEN 572 (2) Cappella Antica

MUEEN 573 (2) Baroque Orchestra

OR

Voice:

2 credits of:

MUEEN 580 (1) Early Music Ensemble

3 credits:

MUIIN 610 (1) Vocal Coaching 1

MUIIN 611 (1) Vocal Coaching 2

MUIIN 612 (1) Vocal Coaching 3

4 credits from (may be taken more than once):

MUEEN 569 (1) Tabla Ensemble

MUEEN 572 (2) Cappella Antica

MUEEN 579 (1) Song Interpretation 2

MUEEN 580 (1) Early Music Ensemble

MUEEN 696 (2) Opera Theatre

**11.11.18 Master of Music (M.Mus.) Performance: Orchestral Instruments, Guitar (Thesis) (45 credits)**

Applicants to the Performance program are expected to have a background in Music Theory equivalent to the B.Mus. in Performance. Applicants found to be deficient in their background preparation may be required to take certain additional music theory undergraduate courses.

The following program prerequisite may be assigned as an additional required course on the basis of transcript review:

MUPD 560 (1) Introduction to Research Methods in Music

**Thesis Performance (27 credits)**

18 credits:

MUIIN 620 (3) Performance Tutorial 1

MUIIN 621 (3) Performance Tutorial 2

MUIIN 622\* (3) Performance Tutorial 3

MUIIN 622D1\* (1.5) Performance Tutorial 3

MUIIN 622D2\* (1.5) Performance Tutorial 3

MUPG 600 (9) Recital Project 1

\* Students may take MUIN 622 or MUIN 622D1 and MUIN 622D2.

9 credits from the following:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 604	(6)	Chamber Music Recital
MUPG 605	(3)	Recording Project
MUPG 606*	(3)	Interdisciplinary Project 1
MUPG 607*	(6)	Interdisciplinary Project 2
MUPG 608**	(3)	Orchestral Repertoire Examination 1
MUPG 609**	(6)	Orchestral Repertoire Examination 2
MUPG 610**	(9)	Orchestral Repertoire Examination 3

\* May take MUPG 606 or MUPG 607.

\*\* May take MUPG 608 or MUPG 609 or MUPG 610.

#### Required Course

MUGS 605 (0) Graduate Performance Colloquium

#### Complementary Seminars (9 credits)

One of the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

One additional graduate 3-credit seminar approved by the Department.

#### Complementary Performance (9 credits)

Orchestral Instruments:

6 credits from the following (may be taken more than once):

MUEN 573	(2)	Baroque Orchestra
MUEN 590	(2)	McGill Wind Orchestra
MUEN 594	(2)	Contemporary Music Ensemble
MUEN 597	(2)	McGill Symphony Orchestra

Strings:

Two terms of:

MUEN 560\*\* (1) Chamber Music Ensemble

1 credit of:

MUEN 540 (.5) Chamber Music Project 1  
MUEN 541 (.5) Chamber Music Project 2  
MUEN 560\*\* (1) Chamber Music Ensemble  
MUEN 561\*\* (1) 2nd Chamber Music Ensemble  
MUEN 568\*\* (1) Multiple Ensemble 1  
MUEN 569\* (1) Tabla Ensemble  
MUEN 599 (1) Jazz Studio Orchestra  
MUPG 571 (1) Free Improvisation 1  
MUPG 572D1 (.5) Free Improvisation 2  
MUPG 572D2 (.5) Free Improvisation 2

Winds/Brass:

2 credits from the following (may be taken more than once):

MUEN 589 (1) Woodwind Ensembles  
MUEN 591 (1) Brass Consort

1 credit from:

MUEN 540 (.5) Chamber Music Project 1  
MUEN 541 (.5) Chamber Music Project 2  
MUEN 560\*\* (1) Chamber Music Ensemble  
MUEN 568\*\* (1) Multiple Ensemble 1  
MUEN 569 (1) Tabla Ensemble  
MUEN 589 (1) Woodwind Ensembles  
MUEN 591 (1) Brass Consort  
MUEN 599 (1) Jazz Studio Orchestra  
MUPG 571 (1) Free Improvisation 1  
MUPG 572D1 (.5) Free Improvisation 2  
MUPG 572D2 (.5) Free Improvisation 2

Percussion:

3 credits from (may be taken more than once unless otherwise indicated):

MUEN 540 (.5) Chamber Music Project 1  
MUEN 541 (.5) Chamber Music Project 2  
MUEN 560\*\* (1) Chamber Music Ensemble  
MUEN 568\*\* (1) Multiple Ensemble 1  
MUEN 569\*\* (1) Tabla Ensemble  
MUEN 598 (1) Percussion Ensembles  
MUPG 571 (1) Free Improvisation 1



MUPG 572D1	(.5)	Free Improvisation 2
MUPG 572D2	(.5)	Free Improvisation 2

## Harp:

3 credits from (may be taken more than once unless otherwise indicated):

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 560**	(1)	Chamber Music Ensemble
MUEN 561**	(1)	2nd Chamber Music Ensemble
MUEN 568**	(1)	Multiple Ensemble 1
MUEN 569**	(1)	Tabla Ensemble
MUPG 571	(1)	Free Improvisation 1
MUPG 572D1	(.5)	Free Improvisation 2
MUPG 572D2	(.5)	Free Improvisation 2

## OR

## Guitar:

Three terms of:

MUEN 562	(1)	Guitar Ensemble
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6 credits from the following:

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 560**	(1)	Chamber Music Ensemble
MUEN 561**	(1)	2nd Chamber Music Ensemble
MUEN 568**	(1)	Multiple Ensemble 1
MUEN 569**	(1)	Tabla Ensemble
MUPG 571	(1)	Free Improvisation 1
MUPG 572D1	(.5)	Free Improvisation 2
MUPG 572D2	(.5)	Free Improvisation 2
MUPG 666	(3)	Fretboard Guitar Project
MUPG 669	(3)	Guitar Pedagogy Project

One 3-credit seminar at the 500 or 600 level with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

\*\* MUEN 560, MUEN 561, and MUEN 568 may be taken more than once.

#### 11.11.19 Master of Music (M.Mus.) Performance: Collaborative Piano (Thesis) (45 credits)

Applicants to the Performance program are expected to have a background in Music Theory equivalent to the B.Mus. in Performance. Applicants found to be deficient in their background preparation may be required to take certain additional music theory undergraduate courses.

The following program prerequisites may be assigned as additional required courses on the basis of transcript review:

MUPD 560	(1)	Introduction to Research Methods in Music
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### **Complementary Seminars (9 credits)**

3 credits from the following:

MUPG 590	(3)	Vocal Styles and Conventions
MUPG 691	(3)	Vocal Ornamentation
MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

One additional graduate 3-credit seminar approved by the Department.

### **Complementary Performance (6 credits)**

Two terms of:

MUEN 584	(1)	Studio Accompanying
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4 credits from the following (may be repeated unless otherwise noted):

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 569	(1)	Tabla Ensemble
MUEN 579	(1)	Song Interpretation 2
MUEN 580	(1)	Early Music Ensemble
MUEN 584	(1)	Studio Accompanying
MUEN 585	(1)	Sonata Masterclass
MUEN 596	(2)	Opera Repetiteur
MUPG 670*	(2)	Advanced Continuo 1
MUPG 671*	(2)	Advanced Continuo 2

\* MUPG 670 and MUPG 671 may not be repeated.

### **11.11.1.20 Master of Music (M.Mus.) Performance: Piano (Thesis) (45 credits)**

Applicants to the Performance program are expected to hav

MUIN 621	(3)	Performance Tutorial 2
MUIN 622*	(3)	Performance Tutorial 3
MUIN 622D1*	(1.5)	Performance Tutorial 3
MUIN 622D2*	(1.5)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

\* Students may take MUIN 622 or MUIN 622D1 and MUIN 622D2.

9 credits from the following:

MUPG 601*	(9)	Recital Project 2
MUPG 602*	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 604	(6)	Chamber Music Recital
MUPG 605	(3)	Recording Project
MUPG 606**	(3)	Interdisciplinary Project 1
MUPG 607**	(6)	Interdisciplinary Project 2

\* Students may take either MUPG 601 or MUPG 602.

\*\* Students may take either MUPG 606 or MUPG 607.

**Required Courses (3 credits)**

MUPG 572D2	(.5)	Free Improvisation 2
MUPG 614	(3)	Quick Study
MUPG 646	(1)	Score- and Sight-Reading 1
MUPG 647	(1)	Score- and Sight-Reading 2
MUPG 670	(2)	Advanced Continuo 1
MUPG 671	(2)	Advanced Continuo 2
MUPG 687	(1)	Collaborative Piano Repertoire 1: Song
MUPG 688	(1)	Collaborative Piano Repertoire 2: Instrumental
MUPG 689	(1)	Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio

OR

6 credits from the following (courses below may be taken more than once):

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2

MUIN 622D1*	(1.5)	Performance Tutorial 3
MUIN 622D2*	(1.5)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

\* Students can take MUIN 622 or MUIN 622D1 and MUIN 622D2.

9 credits from:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 605	(3)	Recording Project
MUPG 606	(3)	Interdisciplinary Project 1
MUPG 607	(6)	Interdisciplinary Project 2
MUPG 676	(9)	Special Project in Church Music

### Required Course

MUGS 605	(0)	Graduate Performance Colloquium
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### Complementary Seminars (9 credits)

3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUTH 602	(3)	Keyboard Modal Counterpoint
MUTH 604	(3)	Keyboard Tonal Counterpoint

or one graduate 3-credit seminar approved by the Department.

### Complementary Performance (9 credits)

9 credits from the following:

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 560*	(1)	Chamber Music Ensemble
MUEN 561*	(1)	2nd Chamber Music Ensemble
MUEN 569*	(1)	Tabla Ensemble

MUEN 573*	(2)	Baroque Orchestra
MUEN 580*	(1)	Early Music Ensemble
MUEN 593*	(2)	Choral Ensembles
MUEN 594*	(2)	Contemporary Music Ensemble
MUEN 597*	(2)	McGill Symphony Orchestra
MUHL 591D1**	(1.5)	Paleography
MUHL 591D2**	(1.5)	Paleography
MUPG 575D1*	(1.5)	Liturgical Organ Playing
MUPG 575D2*	(1.5)	Liturgical Organ Playing
MUPG 674	(3)	Project in Choral Conducting
MUTH 602**	(3)	Keyboard Modal Counterpoint
MUTH 604**	(3)	Keyboard Tonal Counterpoint

\* May be taken more than once.

\*\* If not taken as a seminar.

### 11.11.22 Master of Music (M.Mus.) Performance: Conducting (Thesis) (45 credits)

#### Instrumental and Choral

Applicants to the Performance program are expected to have a background in Music Theory equivalent to the B.Mus. in Performance. Applicants found to be deficient in their background preparation may be required to take certain additional music theory undergraduate courses.

The following program prerequisite courses may be assigned as additional courses based on transcript review:

MUPD 560	(1)	Introduction to Research Methods in Music
MUSP 500D1	(1)	Keyboard for Professional Practice
MUSP 500D2	(1)	Keyboard for Professional Practice

#### Choral Conducting:

MUCO 261	(3)	Orchestration 1
MUPG 210*	(2)	Italian Diction
MUPG 211*	(2)	French Diction
MUPG 212*	(2)	English Diction
MUPG 213*	(2)	German Diction

\* Students take either MUPG 210, MUPG 211, MUPG 212 or MUPG 213

OR

#### Instrumental Conducting:

3 credits of:

MUCO 261	(3)	Orchestration 1
MUCO 360	(3)	Orchestration 2

### Thesis Performance (27 credits)

18 credits:

MUIN 630	(3)	Conducting Tutorial 1
MUIN 631	(3)	Conducting Tutorial 2

MUIN 632	(3)	Conducting Tutorial 3
MUPG 600	(9)	Recital Project 1

9 credits from the following:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 605	(3)	Recording Project

### Required Courses

3 credits in:

Students are required to take MUGS 605

MUGS 605	(0)	Graduate Performance Colloquium
MUPG 580	(1.5)	Rehearsal Techniques for Conductors

### Complementary Courses (15 credits)

Seminars:

3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

3 credits of a graduate seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

One additional graduate 3-credit seminar approved by the Department.

### Complementary Performance (6 credits)

Choral Conducting:

MUEN 572	(2)	Cappella Antica
MUEN 593	(2)	Choral Ensembles

OR

Instrumental Conducting:

MUEN 573	(2)	Baroque Orchestra
MUEN 590	(2)	McGill Wind Orchestra
MUEN 592	(2)	Chamber Jazz Ensemble
MUEN 594	(2)	Contemporary Music Ensemble
MUEN 595	(2)	Jazz Ensembles
MUEN 597	(2)	McGill Symphony Orchestra



**11.11.1.23 Master of Music (M.Mus.) Performance: Opera and Voice (Thesis) (45 credits)**

Applicants to the Performance program are expected to have a background in Music Theory equivalent to the B.Mus. in Performance. Applicants found to be deficient in their background preparation may be required to take certain additional music theory undergraduate courses.

The following program prerequisites may be assigned as additional required courses based on transcript review:

MUPD 560	(1)	Introduction to Research Methods in Music
MUPG 210	(2)	Italian Diction
MUPG 211	(2)	French Diction
MUPG 212	(2)	English Diction
MUPG 213	(2)	German Diction

One of:

MUHL 372	(3)	Solo Song Outside Germany and Austria
MUHL 377	(3)	Baroque Opera
MUHL 387	(3)	Opera from Mozart to Puccini

OR

**Voice Thesis Performance (18 credits)**

9 credits:

MUPG 600\* (9) Recital Project 1

\* Solo Recital only.

9 credits from:

MUPG 601\* (9) Recital Project 2  
MUPG 602\*\* (6) Recital Project 3  
MUPG 603 (3) Recital Project 4  
MUPG 605 (3) Recording Project  
MUPG 606 (3) Interdisciplinary Project 1  
MUPG 607 (6) Interdisciplinary Project 2  
MUPG 614 (3) Quick Study

\* Solo Recital; or Principal Opera Role by audition.

\*\* Solo Recital; or Featured Opera Role by audition.

**Required Courses (3 credits)**

MUGS 605 (0) Graduate Performance Colloquium  
MUIIN 610 (1) Vocal Coaching 1  
MUIIN 611 (1) Vocal Coaching 2  
MUIIN 612 (1) Vocal Coaching 3

**Complementary Seminars (9 credits)**

3 credits from the following:

MUPG 590\* (3) Vocal Styles and Conventions  
MUPP 690 (3) Performance Practice Seminar 1  
MUPP 691 (3) Performance Practice Seminar 2  
MUPP 692 (3) Performance Practice Seminar 3  
MUPP 693 (3) Performance Practice Seminar 4  
MUPP 694 (3) Performance Practice Seminar 5  
MUPP 695 (3) Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

3 credits from the following:

MUPG 590\* (3) Vocal Styles and Conventions  
MUPG 691 (3) Vocal Ornamentation  
MUPG 693 (3) Vocal Treatises and Methods  
MUPG 694 (3) Vocal Physiology for Singers

\* If not already taken.

**Complementary Performance (6 credits)**

Opera:

Two terms of:

MUEN 696 (1) Opera Theatre

2 credits of:

MUEN 696 (1) Opera Theatre

OR

Two terms of:

MUEN 579 (1) Song Interpretation 2

(2)

Choral Ensembles

MUPG 571*	(1)	Free Improvisation 1
MUPG 572D1**	(.5)	Free Improvisation 2
MUPG 572D2**	(.5)	Free Improvisation 2

\* may only be taken once (not open to Jazz students)

\*\* may only be taken once

and the additional courses from the following list for these areas:

Voice

MUIN 610*	(1)	Vocal Coaching 1
	(1)	Vocal Coaching 2

Jazz

MUJZ 640*	(2)	Jazz Composition & Arranging 1
MUJZ 641*	(2)	Jazz Composition & Arranging 2

One 3-credit seminar starting with MUPG\*

\* if not already taken

### 11.11.1.26 Graduate Artist Diploma (Gr. Art. Dip.) Performance (30 credits)

A one-year graduate performance diploma that allows excellent musicians to refine their technique and master repertoire through intensive coaching, practice, and performance projects. Designed as a polishing diploma, the program prepares musicians for professional careers as soloists, opera singers, collaborative pianists, chamber, jazz, and orchestral musicians or for further graduate studies in performance. Program requirements are flexible, with a range of performance project options including solo, chamber, recording, orchestral auditions, and creative collaborations. Admission is by audition, with candidates having previously completed a B.Mus., a Licentiate, or M.Mus.

#### Co-requisite Courses

For Harpsichord students:

MUPG 272D1	(2)	Continuo
MUPG 272D2	(2)	Continuo
MUPG 372D1	(1)	Continuo
MUPG 372D2	(1)	Continuo

#### Required Courses (16 credits)

MUIN 710	(8)	Graduate Artist Diploma Tutorial 1
MUIN 711	(8)	Graduate Artist Diploma Tutorial 2

#### Complementary Courses (14 credits)

8 credits from the following:

MUPG 740	(4)	Graduate Artist Diploma Performance Project 1
MUPG 741	(4)	Graduate Artist Diploma Performance Project 2
MUPG 742	(8)	Graduate Artist Diploma Performance Project 3
MUPG 743	(4)	Graduate Artist Diploma Interdisciplinary Project
MUPG 744	(4)	Graduate Artist Diploma Concerto Performance
MUPG 745	(4)	Graduate Artist Diploma Recording Project

0-3 credits from:

MUSR 692	(3)	Music Production Workshop
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\* Required of all instruments except Voice

3-6 credits from:

Performance courses with departmental approval from the following lists:

Any ensemble course with the prefix MUEN at the 500 or 600 level

\* may be taken only once

and the additional courses from the following list for these areas:

#### Voice

MUIN 610*	(1)	Vocal Coaching 1
MUIN 611*	(1)	Vocal Coaching 2

\* may be taken only once per diploma

#### Piano

MUPG 670*	(2)	Advanced Continuo 1
MUPG 671*	(2)	Advanced Continuo 2
MUPG 687**	(1)	Collaborative Piano Repertoire 1: Song
MUPG 689**	(1)	Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio

\* if not already taken.

\*\* may be repeated with permission of the instructor.

#### Chamber Music

MUIN 500*	(1)	Practical Instruction 1
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\* may be repeated once per program.

#### Organ

MUPG 575D1	(1.5)	Liturgical Organ Playing
MUPG 575D2	(1.5)	Liturgical Organ Playing
MUPG 670*	(2)	Advanced Continuo 1
MUPG 671*	(2)	Advanced Continuo 2

One 3-credit seminar at the 500 or 600 level approved by the Department

\* if not already taken.

#### Early Music

MUPG 670*	(2)	Advanced Continuo 1
MUPG 671*	(2)	Advanced Continuo 2

\* if not already taken.

#### 11.11.1.27 Doctor of Music (D.Mus.) Music: Composition

A minimum of two years' residence is required beyond the M.Mus. in Composition, or its equivalent. Details concerning the comprehensive examinations, composition performance, thesis, and academic regulations are available from the Graduate Coordinator, Schulich School of Music or from the Music Graduate Handbook (<http://www.mcgill.ca/music/current-students/graduate/graduate-music-handbook>).

Additional prerequisite courses may be assigned to candidates in Composition, Music Education, Music Theory, Music Technology, and Musicology following transcript review and/or placement exams.

#### Thesis

The thesis is a musical composition of major dimensions together with a written analysis of the work. The thesis must be defended in an oral examination.

#### Required Courses (12 credits)

MUGS 701	(0)	Comprehensive Examination Part 1
MUGS 702	(0)	Comprehensive Examination Part 2

12 credits (two years) of:

MUCO 722D1	(3)	Doctoral Composition Tutorial
MUCO 722D2	(3)	Doctoral Composition Tutorial

### **Elective Courses (12 credits)**

Four approved 3-credit graduate electives or the equivalent.

### **Composition Performance**

The candidate must present a concert of his/her compositions. With the permission of the Composition Area Committee, the compositions may be presented as parts of two or three concerts, or as a list of national and international performances since the student began his/her residency.

### **11.11.28 Doctor of Music (D.Mus.) Music: Performance Studies**

A minimum of two years' residence is required beyond the M.Mus. in Performance, or its equivalent.

Details concerning the comprehensive examinations, composition performance, thesis and academic regulations are available from the Graduate Studies website (<http://www.mcgill.ca/music>).

### **Thesis**

#### **Recitals (33 credits)**

MUPG 760	(12)	Doctoral Recital 1
MUPG 767	(12)	Doctoral Recital 2
MUPG 770	(9)	Doctoral Lecture - Recital Project

#### **Required Courses (35 credits)**

27-35 credits

MUGS 701	(0)	Comprehensive Examination Part 1
MUGS 702	(0)	Comprehensive Examination Part 2
MUGS 710D1	(1.5)	Performance Doctoral Colloquium
MUGS 710D2	(1.5)	Performance Doctoral Colloquium







Students whose mother tongue is French are exempt from the French Language Reading examination. Note: The language reading examinations must be passed before a candidate will be permitted to sit the comprehensive examinations.

#### **Required Courses (6 credits)**

WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

#### **Comprehensive examination**

MUGS 701	(0)	Comprehensive Examination Part 1
MUGS 702	(0)	Comprehensive Examination Part 2

#### **Doctoral Colloquium**

Note: Regular attendance and at least one presentation of their thesis research in the Colloquium during the course of their doctoral studies is required.

MUGS 705	(0)	Colloquium
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#### **Complementary Courses (12-27 credits)**

12-27 credits of graduate courses at the 500 level or higher, approved by the Department (3 of the 27 credits must be in gender/women's studies, taken in the Department or outside and approved by the Department).

Applicants who have completed an M.A. degree in music (or equivalent) before entering the Ph.D. program will be required to complete at least 12 credits of courses at the 500, 600, or 700 level approved by the Department beyond the M.A. requirements (3 of the 12 credits must be in gender/women's studies, taken in the Department or outside and approved by the Department).

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## **12 Ingram School of Nursing**

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### **12.1 Dean's Welcome**

To Graduate Students and Postdoctoral Fellows:

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 9,000 graduate students in over 400 programs. *GPS* is here to support you from admissions through to graduation and beyond. We take a holistic approach to graduate student success; we support not only your academic development, but also your career-planning and professional dev

### Administrative Officers

Jean-Jacques Lebrun; B.Sc.(La Roche-sur-Yon), M.Sc.(Rennes), Ph.D.(Paris V) **Associate Dean (Graduate and Postdoctoral Studies)**

Elisa Pylkkanen; B.A., M.A.(McG.)

**Director (Graduate and Postdoctoral Studies)**

### 12.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal QC H3A 0G4  
Website: [www.mcgill.ca/gps](http://www.mcgill.ca/gps)



**Note:** For inquiries regarding specific graduate programs, please contact the appropriate department.

### 12.2.3 Graduate and Postdoctoral Studies' Mission

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic excellence for graduate and postdoctoral education at McGill. GPS provides leadership and strategic direction across the university, in close collaboration with the academic and administrative units and the graduate and postdoctoral community.

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### 12.3 Important Dates

For all dates relating to the academic year, consult [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

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### 12.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources > Graduate > section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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### 12.5 Program Requirements

Refer to [University Regulations & Resources > Graduate > Regulations > section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Ad Personam Programs (Thesis Option Only)
- Coursework for Graduate Programs, Diplomas, and Certificates

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### 12.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#) for information on:

- Application for Admission
- Admission Requirements
- Application Procedures
- Competency in English

and other important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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## 12.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulatory Re](#)

- i. Postdocs have the same pertinent rights as the ones granted to McGill students under [www.mcgill.ca/students/srr](http://www.mcgill.ca/students/srr), and those granted by the policies listed at [www.mcgill.ca/secretariat/policies-and-regulations](http://www.mcgill.ca/secretariat/policies-and-regulations).
- ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.
- iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.
- v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.
- vi. Postdocs are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

*Approved by Senate, April 2000; revised May 2014*

### **12.8.3 Vacation Policy for Graduate Students and Postdocs**

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to univ

## 12.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > *Graduate* > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 12.10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > *Graduate* > [section 1.6: Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees](#) for information on the following:

- Policy on Research Ethics
- Regulations on Research Policy
- Policy on Research Integrity
- Guidelines for Research Involving Human Subjects
- Guidelines for Research with Animal Subjects
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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## 12.11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2018–2019 session as listed. The Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable at any time throughout the year.

### 12.11.1 Nursing

#### 12.11.1.1 Location



**Note:** The Ingram School of Nursing has moved to 680 Sherbrooke Street West as of August 2017. For more information, see the [School's website](#).

Ingram School of Nursing  
680 Sherbrooke West, Suite 1800  
Montreal QC H3A 2M7  
Canada  
Telephone: 514-398-4144  
Fax: 514-398-8455  
Website: [www.mcgill.ca/nursing](http://www.mcgill.ca/nursing)

#### 12.11.1.2 About Nursing

The Ingram School of Nursing is a professional School within the Faculty of Medicine that has been educating nurses since 1920. On September 10, 2012 the School was formally renamed the Ingram School of Nursing in recognition of Richard and Satoko Ingram and their exceptional support for Nursing at McGill. The School is internationally recognized for its distinctive vision, leadership in nursing, and the quality of its programs. McGill nursing graduates have earned a reputation as outstanding clinicians, educators, researchers, and leaders in their discipline.



Recently, the Ingram School of Nursing adopted Strengths-Based Nursing (SBN) as its foundation for practice, education, and research. SBN is a culmination of an approach to nursing that has been an integral part of the McGill School of Nursing since its founding in 1920, evolving from the McGill Model of Nursing. SBN is both a philosophy as well as a value-driven approach that has as its foundational pillars in person/family-centred care, empowerment, relational care, and innate and acquired healing.

At the graduate level, the Ingram School of Nursing offers tailored programs in advanced nursing practice that prepare our students to be leaders in their field. The learning experience at the School is geared to foster individual judgment, creativity, and initiative. Led by nationally recognized researchers, students will participate in cutting-edge programs of research related to nursing practice and administration. McGill's Ingram School of Nursing is for you if you want to contribute to the knowledge base of advanced nursing practice and want to be involved actively in changing how healthcare is delivered locally, nationally, and internationally.

The School and its lab moved to 680 Sherbrooke Street West in August 2017 and occupy the 18th, 19th, and 20th floors of that building. Lab size has tripled, and new simulation labs have been designed to offer students a wealth of hands-on experience. The new space also accommodates student lounges, faculty and staff offices, mid- and small-sized classrooms, and meeting rooms. Students registered in the School also take courses in other faculties within the University. Selected experience in nursing is provided in the McGill University Health Centre, other McGill-affiliated hospitals, and in a wide variety of health agencies in Montreal.

For information on undergraduate programs, please consult the Ingram School of Nursing's [Undergraduate](#) section.

### **M.Sc.A. Program and Concentrations**

The Master's (Applied) in Nursing is offered in a number of formal concentrations, which are listed in the table below

***section 12.11.1.10: Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Neonatology Nurse Practitioner (45 credits)***

This concentration is open to bachelor-prepared nurses and is designed to prepare them to take on this advanced practice role. Neonatal nurse practitioners autonomously assess, diagnose, and treat pediatric health conditions that fall within their scope of practice, providing care to neonates and their families in intermediate, acute, and critical care neonatal settings. Students who successfully complete this program are eligible to apply to the Graduate Diploma Nurse Practitioner program in this specialty, which is the next step before the relevant licensing exam of the OIIQ ( *Ordre des infirmières et infirmiers du Québec* ).

***section 12.11.1.11: Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Nursing Services Administration (49 credits)***

This concentration is open to bachelor-prepared nurse students. Students in this concentration develop their capacity to assess the factors that affect and determine the nursing workforce. This will enable them to make strategic and effective decisions, and influence policy with regard to the planning and management of the nursing workforce.

***section 12.11.1.12: Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Pediatric Nurse Practitioner (45 credits)***

This concentration is open to bachelor-prepared nurses and is designed to prepare them to take on this advanced practice role. Pediatric nurse practitioners autonomously assess, diagnose, and treat pediatric health conditions that fall within their scope of practice, providing care to children, ranging in age from infancy to young adulthood, in secondary and tertiary care settings. Students who successfully complete this program are eligible to apply to the Graduate Diploma Nurse Practitioner program in this specialty, which is the next step before the relevant licensing exam of the OIIQ ( *Ordre des infirmières et infirmiers du Québec* ).

***section 12.11.1.13: Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Primary Care Nurse Practitioner (45 credits)***

This concentration is open to bachelor-prepared nurses and is designed to prepare them to take on this advanced practice role. Primary care nurse practitioners autonomously assess, diagnose, and treat a wide range of acute and chronic health conditions that fall within their scope of practice for patients and families of all ages in primary care settings. Students who successfully complete this program are eligible to apply to the Graduate Diploma Nurse Practitioner program in this specialty, which is the next step before the relevant licensing exam of the OIIQ ( *Ordre des infirmières et infirmiers du Québec* ).

***section 12.11.1.14: Graduate Certificate (Gr. Cert.) Theory in Mental Health (15 credits)***

This program of study is open to graduate-prepared nurses and focuses on the acquisition of advanced-level knowledge of the biomedical sciences that is required for NP (nurse practitioner) practice. The Graduate Certificate Theory and the Graduate Diploma Nurse Practitioner specialty programs cannot be taken concurrently.

***section 12.11.1.15: Graduate Certificate (Gr. Cert.) Theory in Neonatology (15 credits)***

This program of study is open to graduate-prepared nurses and focuses on the acquisition of advanced-level knowledge of the biomedical sciences that is required for NP (nurse practitioner) practice. The Graduate Certificate Theory and the Graduate Diploma Nurse Practitioner specialty programs cannot be taken concurrently.

***section 12.11.1.16: Graduate Certificate (Gr. Cert.) Theory in Pediatrics (15 credits)***

This program of study is open to graduate-prepared nurses and focuses on the acquisition of advanced-level knowledge of the biomedical sciences that is required for NP (nurse practitioner) practice. The Graduate Certificate Theory and the Graduate Diploma Nurse Practitioner specialty programs cannot be taken concurrently.

***section 12.11.1.17: Graduate Certificate (Gr. Cert.) Theory in Primary Care (15 credits)***

This program of study is open to graduate-prepared nurses and focuses on the acquisition of advanced-level knowledge of the biomedical sciences that is required for NP (nurse practitioner) practice. The Graduate Certificate Theory and the Graduate Diploma Nurse Practitioner specialty programs cannot be taken concurrently.

***section 12.11.1.18: Graduate Diploma (Gr. Dip.) Mental Health Nurse Practitioner (30 credits)***

This diploma is open to graduates of the Mental Health Nurse Practitioner M.Sc.A. or the Mental Health Graduate Certificate. In this final step of preparation for taking on the Mental Health NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of psychology and the biomedical sciences through their application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the mental health nurse practitioner licensing exam.

***section 12.11.1.19: Graduate Diploma (Gr. Dip.) Neonatal Nurse Practitioner (30 credits)***

This diploma is open to graduates of the Neonatal Nurse Practitioner M.Sc.A. or the Neonatal Graduate Certificate. In this final step of preparation for taking on the Neonatal NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of the biomedical sciences through its

*section 12.11.1.19: Graduate Diploma (Gr. Dip.) Neonatal Nurse Practitioner (30 credits)*

application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the neonatal nurse practitioner licensing exam.

*section 12.11.1.20: Graduate Diploma (Gr. Dip.) Pediatric Nurse Practitioner (30 credits)*

This diploma is open to graduates of the Pediatric Nurse Practitioner M.Sc.A. or the Pediatric Graduate Certificate. In this final step of preparation for taking on the Pediatric NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of the biomedical sciences through its application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the pediatric nurse practitioner licensing exam.

### **B.A./B.Sc. Applicants to the Master's Program (Direct Entry – DE)**

Applicants holding a general B.A. or B.Sc., including a number of prerequisite courses, may be admitted to a Qualifying year. A minimum CGPA (cumulative grade point average) of 3.0 (3.2 is strongly preferred) on a scale of 4.0 is required in order to be considered for entry. Upon successful completion of the Qualifying year, candidates must apply to the master's program.

Direct-Entry applicants must complete their Qualifying year and the master's program of study on a full-time basis, i.e., a total of three years. The School considers admissions to this program for the Fall term only.



**Note:** For further information about the required courses in the Qualifying year of the Direct-Entry program, please see the [Nursing website](#).

### **Nurse Applicants (Nurse Bachelor's Entry – NBE) to the Master's Program - all concentrations**

Applicants to the master's degree must have completed a bachelor's degree in nursing with a minimum CGPA of 3.0 on a scale of 4.0. This preparation must be comparable to that offered in the bachelor's in nursing programs at McGill, which includes an Introductory Statistics course (3 credits). Prospective applicants whose undergraduate degree differs from the McGill degree are encouraged to contact the Ingram School of Nursing to have the eligibility of their degree assessed. Experience in nursing is strongly recommended.

### **Graduate Certificates and Graduate Diplomas in Nurse Practitioner**

Applicants must hold a bachelor's degree in nursing and a master's degree in nursing comparable to McGill (the bachelor program must have a minimum of 66 credits including 12 credits in the biological sciences) with a minimum CGPA of 3.2 on a 4.0 scale required. Prior to entry, applicants are required to have a minimum of 3,360 hours of experience in Canada in the specialty area over the previous five years.

Students in the Nurse Practitioner program are required to hold a “*carte de stage*” allowing them to participate in the required clinical practicum at the end of the second year of the program. The “*carte de stage*” is granted by the Quebec Order of Nurses ( [Ordre des infirmières et infirmiers du Québec](#) – OIIQ) to Nurse Practitioner candidates that are licensed in Quebec.

- Professional behaviour is expected in relation to classmates, teachers, patients, the interprofessional team, and the institutions within which studies take place.
- In any formal documentation, students must identify themselves as a McGill Nursing Student with the respective year of study noted.
- Name badges must be worn at all times in clinical studies. These are ordered in the Fall semester of the first year of studies and the cost is charged directly to the student's fee account. Name badges are ordered through the Ingram School of Nursing and students will be required to purchase two sets of name badges in early Fall prior to starting clinical placement. Students must comply with the uniform policy during clinical placements.
- Students must have a photo I.D. taken at the MUHC for their clinical placements there.
- Attendance in clinical courses is mandatory and absences must be discussed with the instructor

	Application Opening Dates		Application Deadlines	
<b>Fall Term:</b>	Sept. 15	N/A	Feb. 1	Feb. 1
<ul style="list-style-type: none"> <li>M.Sc.A. Nursing – all concentrations (Special Students, visit <a href="http://www.mcgill.ca/nursing/prospective">www.mcgill.ca/nursing/prospective</a>)</li> </ul>				
<b>Fall Term:</b>	Sept. 15	Jan. 1	Mar. 1	Mar. 1
<ul style="list-style-type: none"> <li>Ph.D. Nursing</li> </ul>				
<b>Winter Term:</b>	Feb. 15	N/A	Sept. 30	Sept. 30
<ul style="list-style-type: none"> <li>M.Sc.A. Nurse Bachelor Entry, part-time studies in all concentrations (<i>except</i> Global Health and Nurse Practitioner) <b>must</b> contact the Graduate Admissions Coordinator prior to applying</li> <li>Graduate Certificate – all programs</li> </ul>				
<b>Winter Term:</b>	Feb. 15	Sept. 1	Nov. 1	Nov. 1
<ul style="list-style-type: none"> <li>Ph.D. Nursing</li> </ul>				
<b>Summer Term:</b>	May 15	N/A	Jan. 15	Jan. 15
<ul style="list-style-type: none"> <li>Graduate Diploma – all programs</li> </ul>				

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

#### 12.11.1.4 Nursing Faculty

V



## Faculty Lecturers

Annie Chevrier; N., B.N.(I.), M.Sc.A.(McG.)

Maria Di Feo; N., B.Sc.(N.)(Montr.), M.Ed.(McG.)

Diana Gausden; N., SCPHN(Southbank Univ., Lond.)

Melanie Gauthier; N., B.Sc.(N.)(McG.), M.N.(Syd.)

Heather D. Hart; N., B.Sc.(N.)(W. Ont.), B.Ed.(Bran.), M.Sc.A.(McG.)

Sandie Larouche; N., B.Sc.(N.)(Laval), M.Sc.A.(McG.)

Caroline Marchionni; N., B.Sc.(McG.), M.Sc.(John M.), M.Sc.A.(McG.)

Linda Masse; N., B.Sc.(N.)(Montr.), M.Sc.A.(McG.)

Catherine-Anne Miller; N., B.Sc.(N.)(McG.), M.H.Sc.((Nocdorrine-Anne Mi37 g3TN., B.Sc.(therine-Anne Miller; N68.36(Montr)Tj1 ornea.56((Nocd



**Contracted Faculty (part-time)**

Hermes Cornejo; N., B.Sc.(N.)(Chile), M.Sc.(N.)(Montr.)

Hedda Coronado; N., B.Sc.(N.)(Philippines)

Laura Craigie; N., B.N.(I.)(McG.)

Kelly Marie Cummins, B.Sc.(N.), M.Sc.(N.)(McG.)

David Jordan Elbling

Olivia Hope Farias

Maria Fernandez

Monique Fillion, B.Sc.(N.)(Montr.), M.Sc.(A.)(Laval)

Lisa Frick; N., B.Sc.(N.)(Ott.)

Sae Fukamizu

Pascale Fulcher; N.

Alexandra Glezos

Mary Grossman-Schultz; N., B.Sc.(N.), M.Sc.A., Ph.D.(McG.)

Melissa Hoffman; N., B.Sc.(N.)(Br. Col.)

Vandra Holder

Sarah Ismail

Angela Izzo

Caroline Marie-France Jean

Charlie Myriam Julien; N., B.N., M.N.(Montr.)

Marisa Kanellopoulos

Daria Kapnik, M.Sc.L.(UQAM)

Julia Kinnon-Shaw; N., B.Sc.(N.), M.Sc.A.(McG.)

Manon Lacroix; N., B.Sc.(N.)(UQAT), M.Sc.(N.)(Ott.), DESS(Laur.)

Ariella Lang; N., B.Sc.(N.), M.Sc.(N.)(McG.), Ph.D.(Montr.), Post Doc.(Ott.)

Stéphanie Lao; N., B.Sc.(N.)(McG.)

Julie Laurence; N., B.Sc.(N.)(McG.)

Thi Hong Nhung Le

Valérie Renée LeBel; N., B.N.(Montr.)

Céline Léger; N.

Catherine Lloyd; N., B.Sc.(N.)(Ott.)

Abbey Leigh Mahon; B.A.(C'dia), M.Sc.(N.)(McG.)

Stephanie Mardakis; B.Sc.(N.)(Montr.), M.Sc.(N.)(McG.)

Sharon Mooney; N., B.A.(C'dia), B.Sc.(N.)(Br. Col.), M.A.(C'dia)

Thu Hong Nguyen Ngo

Catherine My-Duyen Nguyen-Huy

Tessa Nichols; N., B.Sc.(N.)(Ott.)

Trisha Andrea Nonog; N., B.N.(I.)(McG.)

Cassandra Elaina Palangiewicz

Josette Perreault; N., B.N.(McG.)

Marta Anita Pilarska

Silvia Pistagnesi; N., B.Sc.(N.), M.Sc.A.(McG.)

Giselle Poirier

### **Contracted Faculty (part-time)**

Christine Aiko Prchal; N., M.Sc.(A.)(McG.)

Bianca Quesnal-Spicer

Ramona Rodrigues; N., B.Sc., M.Sc.A.(McG.)

Patricia Sabbag; N., B.Sc.(N.), M.Sc.A.(McG.)

Irene Sarasua; N., B.A.(Tor.), M.Sc.A.(McG.)

Sanaz Shadvar

Anita Sharma; N., B.A.(Manit.), B.Sc.(N.)(McG.)

Sarah Jane Shea

Heidi Sleno; B.Sc.(N.)(Ott.)

Marianna Sofronas; N., B.A.(McG.), M.A.(New Sch. Soc. Res.), M.Sc.A.(McG.)

Kim Tanguay

Karine Troini

Stephanie Welsh; N., B.Sc.(N.)(Ott.)

Su Ling Wong; N., B.Ed., B.N.(I.), M.Sc.A., Grad.Cert.(NP-PC), Grad.Dip.(NP-PC)(McG.)

Tracie Wai Yin Wong

Vanessa Wrzesien; N., B.Sc.(N.), M.Sc.A.(McG.)

Vera-Maria Zissis

Nadia Zouari; N., B.N.(I.)(McG.)

### **1211.14.1 Clinical and Affiliated Faculty Members**

#### **Professor**

Susan E. French

#### **Associate Professors**

Lynne McVey, Frederick Peter Nestel, Janet Rennick, Edith Zorychta

#### **Assistant Professors**

## Affiliate Members

Joyce Marie Arsenault, Theresa Broda, Patrick Casey, Stephanie Charron, Nadia Andr5.56 Teo0 1 Ig-cI8i

## Other Teaching Centres

West Island Palliative Care Residence

## International Sites

A range of international placement sites is collated by the Clinical Placement Coordinators.

## Directors of Nursing Research in Teaching Hospitals

*MUHC* – Andreeanne Saucier

*Jewish General Hospital* – Margaret Purden

### 12.11.1.5 Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Advanced Clinical Practice (48 credits)

This concentration is a two-year program. Part-time studies over three to five years are also an option for students. The core content of the Advanced Clinical Practice concentration prepares students for advanced practice nursing roles in diverse settings and with diverse populations. Content is organized based on the McGill Model of Nursing and focuses on such areas as family intervention, collaborative practice, and working with family strengths and resources. Through clinical courses, students engage in advanced clinical assessments and interventions and develop greater capacities to reflect purposefully and in-depth on their nursing practice. Students also develop knowledge of quantitative and qualitative research methods, engage in a systematic study of a clinically based nursing problem, and disseminate knowledge relevant to clinical practice.

#### Required Courses (39 credits)

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 608	(3)	Seminar in Nursing 1
NUR2 611	(3)	Seminar in Nursing 2
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 626	(3)	Professional Issues in Nursing
NUR2 630	(3)	Clinical Project 1
NUR2 631	(6)	Clinical Project 2
NUR2 632	(3)	Clinical Project 3
NUR2 640	(3)	Clinical Reasoning
NUR2 642	(3)	Ethics in Advanced Practice

#### Complementary Courses (9 credits)

Any 500-level course or higher in consultation with the Adviser for this concentration.

### 12.11.1.6 Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Direct Entry Nursing (58 credits)

The Master of Science, Applied; Nursing (Non-Thesis) - Direct Entry Nursing Concentration, established in 1974, remains the only one of its kind in Canada. This three-year program is tailored to the university graduate with a general degree and no previous preparation in nursing or other health care professions. Candidates complete entry-to-practice preparation in nursing while also completing graduate-level studies in nursing. Students must first successfully complete a 10-month, 41-credit Qualifying year (QY) of study before applying to the M.Sc.A. in Nursing; Non-Thesis - Direct-Entry Year I (29 credits) and Year II (26 credits). By the end of M.Sc.A. Year I, students are eligible to practice as nursing externs during the summer break, in accordance with the regulations of the Ordre des infirmières et infirmiers du Québec (OIIQ) (i.e., the Quebec Order of Nurses – the provincial licensing board). Upon completion of M.Sc.A. Year II, graduates are eligible to write the OIIQ exams.

#### Required Courses

IPEA 502	(0)	Patient-Centred Care in Action
NUR2 515	(3)	Applied Statistics for Nursing
NUR2 516	(3)	Perspectives on Global Health
NUR2 607	(3)	Childhood Nursing

NUR2 609	(3)	Nursing Care of Children and their Families
NUR2 610	(3)	Ambulatory/Community Care
NUR2 611	(3)	Seminar in Nursing 2
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 6164)	(4)	Advanced Clinical Skills

belief that we have much to learn from one another. The (M.Sc.A.); Nursing (Non-Thesis) - Global Health Direct Entry Concentration provides students with global health content throughout their program of study, and students spend one semester taking clinical- and project-based courses in their final year in a global health placement site. This concentration is supported by the Global Health Committee of the Ingram School of Nursing. 'Global Health Direct Entry' is the concentration label for bachelor-prepared non-nurse students who complete Global Health studies.

**Required Courses**

IPEA 502	(0)	Patient-Centred Care in Action
NUR2 515	(3)	Applied Statistics for Nursing
NUR2 516	(3)	Perspectives on Global Health
NUR2 607	(3)	Childhood Nursing
NUR2 609	(3)	Nursing Care of Children and their Families
NUR2 610	(3)	Ambulatory/Community Care
NUR2 611	(3)	Seminar in Nursing 2
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 616	(4)	Advanced Clinical Skills
NUR2 623	(3)	Clinical Assessment and Therapeutics
NUR2 626	(3)	Professional Issues in Nursing
NUR2 630	(3)	Clinical Project 1
NUR2 631	(6)	Clinical Project 2
NUR2 632	(3)	Clinical Project 3
NUR2 634	(3)	Clinical Assessment and Therapeutics 2
NUR2 636	(3)	Global Health Nursing Clinical
NUR2 638	(3)	Clinical Nursing Consolidation
NUR2 640	(3)	Clinical Reasoning
NUR2 642	(3)	Ethics in Advanced Practice

**12.11.1.9 Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Mental Health Nurse Practitioner (45 credits)**

This program trains graduate-level nurses to take on an advanced practice role. Mental Health Nurse Practitioners assume responsibility for tasks related to physical assessment, clinical impressions, and treatment within legally sanctioned, pre-determined conditions that have traditionally been exclusive to medical practice

**Required Courses (45 credits)**

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 608	(3)	Seminar in Nursing 1
NUR2 611	(3)	Seminar in Nursing 2
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 647	(3)	Pharmacology for Mental Health Nurse Practitioners
NUR2 690	(3)	Reasoning in Mental Health 1
NUR2 691	(3)	Reasoning in Mental Health 2
NUR2 692	(4)	Reasoning in Mental Health 3
NUR2 693	(4)	Reasoning in Mental Health 4



NUR2 720 (3) Nursing Workforce Determinants

(6-13 Credits)

Any 500-level course or higher, including relevant School of Continuing Studies courses in the area of administration, in consultation with the Adviser for this concentration.

**12.11.1.12 Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Pediatric Nurse Practitioner (45 credits)**

This program aims to train graduate-level nurses to take on an advanced practice role. Pediatric Nurse Practitioners assume responsibility for tasks related to physical assessment, clinical impressions, and treatment within legally sanctioned, pre-determined conditions that have traditionally been exclusive to medical practice. The Pediatric Nurse Practitioner concentration focuses on a secondary and tertiary of the pediatric population.

**Required Courses (45 credits)**

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 608	(3)	Seminar in Nursing 1
NUR2 611	(3)	Seminar in Nursing 2
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 645	(3)	Pharmacology for Pediatric Nurse Practitioners
NUR2 680	(3)	Reasoning in Pediatrics 1
NUR2 681	(3)	Reasoning in Pediatrics 2
NUR2 682	(4)	Reasoning in Pediatrics 3
NUR2 683	(4)	Reasoning in Pediatrics 4
NUR2 684	(4)	Reasoning in Pediatrics 5

**12.11.1.13 Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Primary Care Nurse Practitioner (45 credits)**

This concentration was developed in order to train graduate-level nurses to take on this advanced practice role. Primary Care Nurse Practitioners assume responsibility for tasks related to physical assessment, diagnosis, and treatment within leg(ses (45 credits))Tj/F1 8.1 Tf1 0 0 1 221.949 579.241 Tm(m( Tj/F1192.171 63



**12.11.1.14 Graduate Certificate (Gr. Cert.) Theory in Mental Health (15 credits)**

The Graduate Certificate in Theory in Mental Health prepares students to acquire the theoretical knowledge required to subsequently complete clinical courses in the Graduate Diploma in Mental Health Nurse Practitioner. This program is designed for students who previously completed a master's degree in nursing (equivalent to the McGill M.Sc.A in a nursing program) but have not completed any nurse practitioner theory or clinical courses. Students should complete 6-12 credits in preparatory theory courses prior to entry into the Graduate Certificate program (the specific number of preparatory courses required will depend on courses completed during their master's degree). Students should consult with the program Academic

**12.11.1.18 Graduate Diploma (Gr. Dip.) Mental Health Nurse Practitioner (30 credits)**

Delineates a clinical course of study in mental health as a nurse practitioner, building on theoretical preparation in either a master's or a certificate program.

**Required Courses (30 credits)**

NUR2 655	(8)	Mental Health Internship 1
NUR2 656	(14)	Mental Health Internship 2
NUR2 695	(4)	Reasoning in Mental Health 6
NUR2 696	(4)	Reasoning in Mental Health 7

**12.11.1.19 Graduate Diploma (Gr. Dip.) Neonatal Nurse Practitioner (30 credits)****Required Courses (30 credits)**

NUR2 649	(12)	Neonatology Internship 1
NUR2 650	(12)	Neonatology Internship 2
NUR2 666	(6)	Neonatal Follow-Up Internship

**12.11.1.20 Graduate Diploma (Gr. Dip.) Pediatric Nurse Practitioner (30 credits)**

Delineates a clinical course of study in mental health as a nurse practitioner, building on theoretical preparation in either a master's or a certificate program.

**Required Courses (30 credits)**

NUR2 653	(8)	Pediatric Internship 1
NUR2 654	(14)	Pediatric Internship 2
NUR2 685	(4)	Reasoning in Pediatrics 6
NUR2 686	(4)	Pediatric Assessment

**12.11.1.21 Graduate Diploma (Gr. Dip.) Primary Care Nurse Practitioner (30 credits)**

Delineates a clinical course of study in primary care as a nurse practitioner that builds on theoretical preparation in either a master's or certificate program.

**Required Courses (30 credits)**

NUR2 651	(8)	Primary Care Internship 1
NUR2 652	(14)	Primary Care Internship 2
NUR2 675	(4)	Reasoning in Primary Care 6
NUR2 676	(4)	Primary Care Assessment

**12.11.1.22 Doctor of Philosophy (Ph.D.) Nursing**

A student who has obtained a master's degree at McGill University or at an approved institution elsewhere may, on the recommendation of the School, be registered in the second year of the Ph.D. program.

Each student's program is designed with the thesis supervisor taking into account the student's previous academic preparation, needs, and research interests.

**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses (10 credits)**

NUR2 701	(1)	Comprehensive Examination
NUR2 702	(3)	Quantitative Research
NUR2 706	(3)	Qualitative Nursing Research
NUR2 730	(3)	Theory Development in Nursing

### **Complementary Courses**

Selected courses at the 500 level or above.

Note: A minimum of 9 credits in advanced statistics, substantive, or complementary courses are planned with the thesis supervisor.

### **12.11.1.23 Doctor of Philosophy (Ph.D.) Nursing: Psychosocial Oncology**

\*\* This program is currently not offered \*\*

The Ph.D. thesis topic must be germane to psychosocial oncology and approved by the P.S.O. coordinating committee.

### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### **Required Courses**

NUR2 701	(1)	Comprehensive Examination
NUR2 702	(3)	Quantitative Research
NUR2 703	(3)	Issues of Measurement
NUR2 705	(3)	Palliative Care
NUR2 730	(3)	Theory Development in Nursing
NUR2 780	(3)	Advanced Nursing
NUR2 783	(3)	Psychosocial Oncology Research

Selected course(s) (Statistics)\*

\*Note: A minimum of 3 credits in advanced statistics.

### **Complementary Courses**

One of the following courses:



- Doctoral Degrees
- Ad Personam Programs (Thesis Option Only)
- Coursework for Graduate Programs, Diplomas, and Certificates

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## 13.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#) for information on:

- Application for Admission
- Admission Requirements
- Application Procedures
- Competency in English

and other important information reg

ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement and supporting document—[\*Commitments of Postdoctoral Sc\*](#))

- to clarify expectations regarding intellectual property rights in accordance with the University's policy;
- to provide mentorship for career development;
- to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

- to inform themselves of and adhere to the University's policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined at [www.mcgill.ca/students/srr](http://www.mcgill.ca/students/srr) and the Graduate and Postdoctoral Studies *University Regulations and Resources*;
- to submit a complete file for registration to Enrolment Services;
- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor;
- to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

**General Conditions**

- The maximum duration is three years
- The individual must be engaged in full-time research
- The individual must provide copies of official transcripts/diploma
- The individual must have the approval of a McGill professor to supervise the research and of the Unit
- The indi



## 13.11.1 Physical and Occupational Therapy

### 13.11.1.1 Location

School of Physical and Occupational Therapy  
3654 Promenade Sir-William-Osler  
Montreal QC H3G 1Y5  
Canada  
Telephone: 514-398-4501  
Fax: 514-398-6360  
Email: *see below*  
Website: [www.mcgill.ca/spot](http://www.mcgill.ca/spot)

### Directors

*Director and Associate Dean* – Laurie Snider; B.Sc.(O.T.)(McG.), M.A.(Br

The School is internationally recognized for the excellence of its contribution to research in rehabilitation. Excellence in research and teaching is the foundation and tradition of the School of Physical and Occupational Therapy at McGill University. The Faculty educates professionals and, through research, generates the body of knowledge that guides our professions to advance the health, function, and participation of the individual in society.

*section 13.11.1.6: Master of Science (M.Sc.) Rehabilitation Science (Thesis) (45 credits)*

The full curriculum consists of approximately two years of study for graduates who hold a B.Sc. de

All clinical teaching sites within the McGill catchment area require students to have a working knowledge of both English and French. In order to participate in the best and most varied fieldwork experiences, students must prepare themselves to work in both languages. Students who are not proficient in French may need to be placed outside of Quebec, at their own expense. Such requests are strictly subject to availability and cannot be guaranteed without the possibility of delayed graduation. French courses for different levels of learners are available through McGill's *French Language Centre* (FLC). Special courses targeting students in health and social sciences have been developed by Dialogue McGill to support students' fieldwork and eventual licensure requirements. Course descriptions can be found at [www.mcgill.ca/spot/files/spot/cours-de-francais-french\\_courses-111215\\_final\\_1.pdf](http://www.mcgill.ca/spot/files/spot/cours-de-francais-french_courses-111215_final_1.pdf).

Valid CPR/AED Level (Health Care Provider) certification or equivalent is required prior to going into any of the clinical affiliation placements and must be maintained throughout the professional Master's program.

Prior to starting their first clinical course, students must ensure that their immunization records are complete and that they have completed their mask fitting. Failure to do so will prevent students from starting their first clinical course. Students must contact *McGill Student Health Service* for a mask fitting appointment or attend announced group appointments. All supporting documentation regarding immunization must be submitted to McGill Student Health Service. McGill Student Health Service will provide students with cards that will attest the completion of the immunization requirements and will contain information regarding mask fit. Cards will be provided to students upon immunization and mask fitting completion. Students are required to submit the McGill Student Health Service card electronically by the third clinical seminar (submission details provided in Clinical Seminar 1).

Please also refer to : [Vaccination/Immunization Requirements for Health Sciences Programs](#).

### 13.11.1.4 Physical and Occupational Therapy Admission Requirements and Application Procedures

#### 13.11.1.4.1 Admission Requirements

##### Language Requirements

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g.:

- *TOEFL* (Test of English as a Foreign Language) with a minimum score of 86 on the Internet-based test (iBT), with each component score not less than 20; or
- *IELTS* (International English Language Testing System) with a minimum overall band score of 6.5.



**Note:** McGill University's Institutional code for the TOEFL and GRE is **0935**.

##### M.Sc. in Rehabilitation Science (Thesis)

1. A B.Sc. degree or equivalent in Physical or Occupational Therapy or a related field from a university of recognized reputation;
2. Evidence of high academic achievement, equivalent to a B standing, or a McGill CGPA of 3.0 (70–74%);
3. Prerequisite courses may be required in statistics, anatomy, physiology, psychology, sociology, neurophysiology, or other areas, depending on the program. For more information, contact the Office of the Registrar at 514-393-7121 or [registrar@mcgill.ca](mailto:registrar@mcgill.ca).

7. Students will be required to interact with francophone patients during their clinical practica. Competence in spoken and written French is highly recommended.

Further information regarding the Qualifying Year is available at [www.mcgill.ca/spot/admissions/professional-programs](http://www.mcgill.ca/spot/admissions/professional-programs).

**Qualifying Year for Entry into M.Sc.A.(P.T.)**

1. An undergraduate degree or equivalent in any subject from a university of recognized reputation;
2. Evidence of high academic achievement in all undergraduate coursework, equivalent to a McGill CGPA of 3.2 or higher. As academic performance is heavily weighted in the admissions process, a CGPA of at least 3.4 is recommended;
3. At least three McGill-equivalent credits in Huc pcm1d;

- Two years of clinical experience – recommended for M.Sc. in Rehabilitation Science (Non-Thesis).

### 13.11.143 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Physical & Occupational Therapy and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

M.Sc.A.(O.T.), M.Sc.A.(P.T.), and Qualifying Year M.Sc.A.				
	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b> (*Qualifying Y	Sept. 15*	Jan. 15*	Feb. 1*	Feb. 1*

**13.11.1.5 Physical and Occupational Therapy Faculty**

Faculty profiles are available at [www.mcgill.ca/spot/people](http://www.mcgill.ca/spot/people).

**Emeritus Professors**

Robert Dykes; B.A.(Calif.-LA), Ph.D.(Johns Hop.)  
 Erika Gisel; B.A., B.Sc.(O.T.), M.Sc., Ph.D.(Temple)  
 Sharon Wood-Dauphinee; B.Sc.(P.T.), Dip.Ed., M.Sc.A., Ph.D.(McG.)

**Professors**

Hugues Barbeau; B.Sc.(P.T.), M.Sc., Ph.D.(Laval) (*on leave*)  
 Mindy Levin; B.Sc.(P.T.), M.Sc., Ph.D.(McG.)  
 Annette Majnemer; B.Sc.(O.T.), M.Sc., Ph.D.(McG.)  
 Nancy Mayo; B.Sc.(P.T.)(Qu.), M.Sc., Ph.D.(McG.)

**Associate Professors**

Sara Ahmed; B.Sc.(P.T.), M.Sc., Ph.D.(McG.)  
 Dana Anaby; B.O.T., M.Sc.O.T.(Tel Aviv), Ph.D.(Br. Col.)  
 Philippe Archambault; B.Sc.(O.T.)(McG.), M.Sc.A., Ph.D.(Montr.)  
 Patricia Belchior da Cunha; B.S.(Law), B.S.(O.T.)(Dom Bosco Catholic U.), Ph.D.(Flor.)  
 Joyce Fung; B.Sc.(P.T.)(Hong Kong Polytech. U.), Ph.D.(McG.)  
 Isabelle Gagnon; B.Sc.(P.T.)(McG.), M.Sc., Ph.D.(Montr.)  
 Isabelle Gélinas; B.Sc.(O.T.)(Montr.), M.Sc.(Virg.), Ph.D.(Rehab. Sc.)(McG.)  
 Matthew Hunt; B.Sc.(P.T.), M.Sc., Ph.D.(McG.)  
 Eva Kehayia; B.A., M.A., Ph.D.(McG.)  
 Anouk Lamontagne; B.Sc., M.Sc., Ph.D.(Laval)  
 Bernadette Nedelec; B.Sc.(O.T.), Ph.D.(Alta.)  
 Melissa Park; B.A.(Yale), M.A.(O.T.), Ph.D.(USC)  
 Shawn Robbins; B.Sc.(P.T.), M.Sc.(P.T.), Ph.D.(W. Ont.)  
 Laurie Snider; B.Sc.(O.T.)(McG.), M.A.(Br. Col.), Ph.D.(Tor.)  
 Jadranka Spahija; B.Sc.(P.T.), Ph.D.(McG.)  
 Alik Thomas; B.Sc.(O.T.), M.Ed., Ph.D.(McG.)

**Assistant Professors**

Stefanie Blain-Moraes; B.A.Sc., Ph.D.(Tor.)  
 Marie-Hélène Boudrias; B.Sc.(P.T.)(Montr.), Ph.D.(Neuro.)(Kansas)  
 Marie Brossard-Racine; B.Sc.(O.T.)(Montr.), M.Sc., Ph.D.(McG.)  
 André Bussièrès; B.Sc.(Nursing)(Montr.), D.C., M.Sc.(UQTR)  
 Tania Janaudis-Ferreira; B.Sc.(P.T.)(Pontifical Cath. Univ. of Campinas), M.Sc.(P.T.), Ph.D.(P.T.)(Umea)  
 Raphael Lencucha; B.Sc.(Kinesiology)(Calg.), B.Sc.(O.T.)(Alta.), Ph.D.(Health Promo.)(W. Ont.)  
 Marc Roig Pull; M.Sc.(Nott.), Ph.D.(Br. Col.)  
 Laurence Roy; B.Sc.(O.T.), M.Sc.(Rehab. Sc.), Ph.D.(Rehab. Sc.)(Montr.)  
 Keiko Shikako-Thomas; B.Sc.(O.T.)(São Paulo), M.Sc.(Rehab. Sc.), Ph.D.(Rehab. Sc.)(McG.)  
 Timothy Wideman; B.Sc.(P.T.), Ph.D.(Exp. Psych.)(McG.)

**Associate Professors (Professional)**

Richard Preuss; B.Sc.(P.T.), M.Sc.(Wat.), Ph.D.(McG.)



**13.11.1.6 Master of Science (M.Sc.) Rehabilitation Science (Thesis) (45 credits)****Thesis Courses (29 credits)**

POTH 696	(2)	Thesis Research
POTH 697	(6)	Thesis Research 1
POTH 698	(9)	Thesis Research 2
POTH 699	(12)	Thesis Research 3

**Required Courses (10 credits)**

A research proposal is to be submitted in written form and defended in front of a supervisory committee. Research proposals should be completed by the beginning of the second full-time year.

POTH 610	(4)	Research Methodology
POTH 614	(2)	Selected Topics in Rehabilitation Science
POTH 616	(1)	Seminars in Rehabilitation Science
POTH 617	(0)	Rehabilitation Seminars 1
POTH 628	(3)	Introduction to Regression Analysis

**Complementary Courses (6 credits)**

To be chosen from among graduate-level departmental course offerings that pertain to the student's area of specialization or other campus courses at the 500 or 600 levels with permission of the Graduate Program Director. Some courses may be offered alternate years only.

Note: Students may take either POTH 620 or POTH 630.

POTH 603	(3)	Directed Practicum
POTH 604	(3)	Current Topics in Pediatrics
POTH 618	(3)	Topics in Rehabilitation
POTH 620	(3)	Measurement: Rehabilitation 1
POTH 630	(3)	Measurement: Rehabilitation 2
POTH 673	(3)	Screening for at Risk Drivers
POTH 674	(3)	Assessing Driving Ability 1
POTH 675	(3)	Driving Assessment Practicum
POTH 676	(3)	Adaptive Equipment and Driving
POTH 677	(3)	Retraining Driving Skills
POTH 682	(2)	Promoting Healthy Activity
POTH 685	(3)	Perception and Action

**13.11.1.7 Master of Science (M.Sc.) Rehabilitation Science (Non-Thesis) (45 credits)**

This program has two options. In the first option, students complete 30 credits of required and complementary courses plus a 15-credit research project in their area of interest. In the second option, students complete 45 credits of required and complementary coursework. The program normally takes three to four terms when done on a full-time basis.

**Required Courses (10 credits)**

EDPH 689	(3)	Teaching and Learning in Higher Education
POTH 610	(4)	Research Methodology
POTH 617	(0)	Rehabilitation Seminars 1
POTH 619	(0)	Rehabilitation Seminars 2



POTH 628 (3) Introduction to Regression Analysis

**Complementary Courses (35 credits)**

Group A: 20 credits

Chosen from the following courses offered by the School, or other campus courses at the 500 or 600 levels with permission of the Graduate Program Director. Some courses may be offered alternate years only.

Note: Students may take POTH 620 or POTH 630.

POTH 508	(3)	Plasticity in Rehabilitation
POTH 603	(3)	Directed Practicum
POTH 604	(3)	Current Topics in Pediatrics
POTH 614	(2)	Selected Topics in Rehabilitation Science
POTH 618	(3)	Topics in Rehabilitation
POTH 620	(3)	Measurement: Rehabilitation 1
POTH 630	(3)	Measurement: Rehabilitation 2
POTH 631	(3)	Research Proposal
POTH 673	(3)	Screening for at Risk Drivers
POTH 674	(3)	Assessing Driving Ability 1
POTH 675	(3)	Driving Assessment Practicum
POTH 676	(3)	Adaptive Equipment and Driving
POTH 677	(3)	Retraining Driving Skills
POTH 682	(2)	Promoting Healthy Activity
POTH 685	(3)	Perception and Action

The above list of complementary courses is subject to change. Please refer to our course gu7 80.52e.341 u7 80.52e.341 u7 80.52 Qnbsit.Pange. Please refer to f

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POTH 624 (6) Master's Project

### Required Courses (53 credits)

OCC1 501	(7)	Clinical Practicum 1
OCC1 502	(7)	Clinical Practicum 2
OCC1 503	(8)	Clinical Practicum 3
OCC1 600J1	(0)	Clinical Practicum Seminars
OCC1 600J2	(0)	Clinical Practicum Seminars
OCC1 600J3	(0)	Clinical Practicum Seminars
OCC1 602	(7)	Clinical Practicum 4
OCC1 617	(6)	Occupational Solutions 2
OCC1 618	(5)	Applied OT: Psychosocial Theory
OCC1 620	(3)	Work/Ergonomics
OCC1 622	(3)	Community-Based OT
OCC1 623	(3)	Assistive Technology
POTH 612	(4)	Applied Clinical Research Methods

### Complementary Courses (3 credits)

3 credits chosen from the following courses offered by the School. With permission from the Academic Director, students may take courses offered at the 500 or 600 levels by other departments at McGill.

OCC1 625	(3)	Functional Environments
OCC1 626	(3)	Mental Health: Child and Youth
POTH 614	(2)	Selected Topics in Rehabilitation Science
POTH 625D1*	(1.5)	Design of Assistive Technologies: Principles
POTH 625D2*	(1.5)	Design of Assistive Technologies: Principles
POTH 627	(3)	Enabling Eating, Drinking, and Swallowing
POTH 632	(3)	Research Elective
POTH 633	(3)	Function/Activity in Arthritis
POTH 634	(3)	Childhood Performance Issues
POTH 635	(3)	Enabling Upper Extremity Function
POTH 636	(3)	Physical Therapy in Pediatrics
POTH 637	(3)	Cancer Rehabilitation
POTH 638	(3)	Promoting Wellness of Seniors
POTH 640	(3)	Role-Emerging Management

\* Must take POTH 625D1 and POTH 625D2

NOTE: Interprofessional Education Activities (IPEAs)

These required non-credit activities address the competencies for interprofessional practice across the health professions such as professional roles, communication, collaboration in patient-centered care, and conflict resolution. Students will be advised at the beginning of each term which activities they should register for.

### 13.11.1.10 Doctor of Philosophy (Ph.D.) Rehabilitation Science

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner.

The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses (15 credits)**

Note: Of the required courses, at least three will already have been completed by students with an M.Sc. in Rehabilitation Science from McGill University.

EDPH 689	(3)	Teaching and Learning in Higher Education
POTH 610	(4)	Research Methodology
POTH 614	(2)	Selected Topics in Rehabilitation Science
POTH 628	(3)	Introduction to Regression Analysis
POTH 631	(3)	Research Proposal
POTH 701	(0)	Ph.D. Comprehensive

**Complementary Course (3 credits)**

One of the following courses:

POTH 620	(3)	Measurement: Rehabilitation 1
POTH 630	(3)	Measurement: Rehabilitation 2
POTH 685	(3)	Perception and Action

**Elective Courses (3-6 credits)**

One or two courses (3 to 6 credits) that pertain to the student's area of specialization; to be chosen from among graduate-level departmental course offerings or other courses at the 500, 600, or 700 level with permission from the Graduate Program Director.

**13.11.1.11 Graduate Certificate (Gr. Cert.) Driving Rehabilitation (15 credits)**

For more information about online graduate certificates, including up-to-date information on course details and current professors contributing to the courses, see the McGill School of Physical and Occupational Therapy website at <http://www.mcgill.ca/spot/programs/online-graduate-certificates/driving-certificate>.

**Required Courses (15 credits)**

POTH 673	(3)	Screening for at Risk Drivers
POTH 674	(3)	Assessing Driving Ability 1
POTH 675	(3)	Driving Assessment Practicum
POTH 676	(3)	Adaptive Equipment and Driving
POTH 677	(3)	Retraining Driving Skills

Note: POTH 673 and 674 are offered online, whereas POTH 675, POTH 676, and POTH 677 have both online components and intensive workshops.

**13.11.1.12 Graduate Certificate (Gr. Cert.) Chronic Pain Management (15 credits)**

For more information about online graduate certificates including up-to-date information on course details and current professors contributing to the courses, see the McGill School of Physical and Occupational Therapy website at <http://www.mcgill.ca/spot/programs/online-graduate-certificates/chronic-pain-management>.

**Required Courses (12 credits)**

POTH 663	(3)	Pain Assessment in Clinical Practice
POTH 664	(3)	Neuroscience and Behavioural Perspectives of Pain
POTH 665	(3)	Interdisciplinary Management of Chronic Pain
POTH 666	(3)	Common Clinical Pain Syndromes

**Complementary Courses (3 credits)**

One of:

- |          |     |                          |
|----------|-----|--------------------------|
| POTH 603 | (3) | Directed Practicum       |
| POTH 618 | (3) | Topics in Rehabilitation |

or another 500-level or higher course (online or not) from a different university, as approved by the Graduate Certificate Program Chair.

NOTE: POTH 603 and POTH 618 are not online courses. They are directed tutorial courses that need pre-approval from the Graduate Certificate Program Chair. Students are encouraged to plan such courses with the instructor at least one semester before intended enrolment. For a complementary course at a different university, consult university re

### **14.2.3 Graduate and Postdoctoral Studies' Mission**

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic e

### 14.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Enrolment Services in order to have access to University facilities (library, computer, etc.).

### 14.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students' Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures, and privileges.

#### 1. Definition and Status

i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who is a member of McGill's academic staff qualified in the discipline in which training is being provided and with the abilities to fulfil responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

#### 2. Registration

i. Postdocs must be registered annually with the University through Enrolment Services. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfil the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.

ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

#### 3. Appointment, Pay, Agreement of Conditions

i. Appointments may not exceed your registration eligibility status.

ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement and supporting document—*Commitments of Postdoctoral Scholars and Supervisors*—available at [www.mcgill.ca/gps/postdocs/fellows/responsibilities](http://www.mcgill.ca/gps/postdocs/fellows/responsibilities)). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources > Graduate > Regulations > Cate](#)

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services.



Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > section 1.2.8: Leave of](#)

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#### **14.10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees**

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.6: Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees](#) for information on the following:

- Policy on Research Ethics
- Regulations on Research Policy
- Policy on Research Integrity
- Guidelines for Research Involving Human Subjects
- Guidelines for Research with Animal Subjects
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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#### **14.11 Browse Academic Units & Programs**

The programs and courses in the following sections have been approved for the 2018–2019 session as listed. The Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable at any time throughout the year.

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field and laboratory equipment for atmospheric chemistry. Graduate students have access to computers, ranging from desktop PCs to the massive parallel machines available to us through Compute Canada. In some cases, M.Sc. and Ph.D. research may include a field component. Most students also participate in national and international conferences.

Financial assistance in the form of research stipends and teaching assistantships is available for all qualified graduate students.

*section 14.11.1.5: Master of Science (M.Sc.) Atmospheric and Oceanic Sciences (Thesis) (45 credits)*

Our program applies mathematics, physics, computing, and sometimes chemistry to study the atmosphere and/or oceans. The ideal student would therefore hav

### **14.11.1.3.3 Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Atmospheric and Oceanic Sciences and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).



**Thesis Courses (24 credits)**

ATOC 691 (3)

ATOC 692 (6)

ATOC 694 (3)

Master's Thesis Literature Review

Master's Thesis Research 1

Master's Thesis Progress Report and Seminar

Master's 21.94872a 1(120 1 165.864 669.161 T21.94872a 11 0 0 1 70.52 669.161ter's both the student shesis shri0 0 11 0

### 14.11.1.7 Doctor of Philosophy (Ph.D.) Atmospheric and Oceanic Sciences

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

#### Required Courses

(1 credit)

ATOC 700	(1)	Ph.D. Proposal Seminar
ATOC 701	(0)	Ph.D. Comprehensive (General)

#### Complementary Courses (7 credits)

Students are required to take ATOC 751D1 and ATOC 751D2 OR ATOC 752D1 and ATOC 752D2.

1 credit from:

ATOC 751D1	(.5)	Seminar: Physical Meteorology
ATOC 751D2	(.5)	Seminar: Physical Meteorology
A	(.5)	Atmospheric, Oceanic and Climate Dynamics

minimal and typically completed within the first year. To complement their classroom and laboratory training, students regularly attend other seminar series and journal clubs and present their own work annually in a formal seminar.

In addition to working with world-class researchers, graduate students in Biology have access to top-notch research infrastructure. The recently renovated Stewart Biology Building and the newly constructed Bellini Life Sciences Complex are equipped with state-of-the-art equipment and facilities for sophisticated imaging, robotic, and genetic techniques, to name a few. These in-house capabilities are complemented by a wide range of field research facilities, which include:

- *Gault Nature Reserve* at Mont St. Hilaire (Quebec);
- *Morgan Arboretum* (Quebec);
- *Huntsman Marine Science Centre* (New Brunswick);
- *Subarctic Research Station* (Quebec);
- *Bellairs Research Institute* (Barbados);
- *Smithsonian Tropical Research Institute* (Panama);
- Limnology research station at the *Wilder and Helen Penfield Nature Reserve* on Lake Memphremagog (Quebec).

These resources are also extended by affiliation with other organizations such as the Redpath Museum, the Biotechnology Research Institute of the National Research Council of Canada, the *Groupe Interuniversitaire de Recherches Océano*



#### ***section 14.11.2.8: Master of Science (M.Sc.) Biology (Thesis): Bioinformatics (48 credits)***

The goal of the Bioinformatics concentration is to train students to become researchers in the interdisciplinary field of Bioinformatics, which lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. This work includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. The Bioinformatics graduate concentration consists of a number of interdisciplinary courses, as well as a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field. The typical entering student will be affiliated with one of about fourteen different “home” departments in three different faculties, chosen based on his/her specific field of expertise, and will therefore meet the specific requirements for that department. The student will additionally be evaluated according to requirements specific to the Bioinformatics concentration. Students in this concentration will have access to five specialized courses that are open only to students within the Bioinformatics concentration. At the M.Sc. level, students successfully completing the Bioinformatics concentration will be fluent in the concepts, language, approaches, and limitations of the field.

#### ***section 14.11.2.9: Doctor of Philosophy (Ph.D.) Biology***

The typical graduate student in this program has a strong background knowledge in cell and molecular biology, biochemistry, organismal biology, ecology, developmental biology, and statistics, often with special strengths in the area of proposed study. Given the continuing trend toward interdisciplinary work, the program also accepts some students with a high scholastic standing who have completed a program in fields other than biology (medicine, engineering, chemistry, physics, etc.).

Alumni have gone on to pursue a wide range of careers. Many go on to pursue postdoctoral research and later assume faculty positions, while others work as researchers in industry, wildlife biologists, forensic technologists, or science policy advisers, to name a few.

#### ***section 14.11.2.10: Doctor of Philosophy (Ph.D.) Biology: Environment***

The Environment graduate concentration offers students the opportunity to pursue environment-focused graduate research in the context of a range of different fields, including Anthropology, Atmospheric and Oceanic Sciences, Biology, Bioresource Engineering, Earth and Planetary Sciences, Entomology, Epidemiology, Experimental Medicine, Geography, Law, Microbiology, Plant Science, Parasitology, Philosophy, Renewable Resources, and Sociology. Through a program consisting of research, seminars, and two courses, this concentration adds a layer of interdisciplinarity that challenges students to develop and defend their research and think in a broader context. Students graduating from the M.Sc. or Ph.D. program under the Environment concentration will therefore be able to understand and critically analyze an environmental problem from several perspectives (e.g., social, cultural, scientific, technological, ethical, economic, political, legislative) and at a local, national, regional, and/or international scale. In addition, they will be able to explore and critically assess analytic and institutional approaches for alleviating the selected environmental problem, and to effectively communicate research findings to both specialist and lay audiences.

Coordinated and administered through the *McGill School of Environment* (MSE), the Environment concentration is aimed at students who wish to use interdisciplinary approaches in their graduate research on environmental issues and who wish to benefit from interactions that

### 14.11.2.3 Biology Admission Requirements and Application Procedures

#### 14.11.2.3.1 Admission Requirements

Applicants must have a B.Sc. in a discipline relevant to the proposed field of study with an overall cumulative grade point average (CGPA) of 3.0/4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. Graduate Record Examination (*GRE*) scores are not required, but may be submitted.

The Test of English as a Foreign Language (*TOEFL*) is required of applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone). A score of 86 on the TOEFL Internet-based test (iBT; 550 on the paper-based test (PBT)) with each component score not less than 20, or 6.5 on *IELTS* is the minimum standard for admission. Specific programs may have additional requirements.

Admission is based on an evaluation by the Graduate Training Committee and on acceptance by a research director who can provide adequate funding for personal and research expenses. Prospective graduate students are encouraged to *contact faculty members* with whom they wish to study before applying.

#### 14.11.2.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply). All applicants should read the academic faculty and admission procedure sections on the Biology Department website before completing the application form. These guidelines contain specific information on the application process, summaries of the research areas of staff, and contact information.

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

#### 14.11.2.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Acceptance by a research director who can provide adequate funding for personal and research expenses

#### 14.11.2.3.3 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Biology Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [www.mcgill.ca/gps/contact/graduate-program](http://www.mcgill.ca/gps/contact/graduate-program).

		Application Opening Dates		Application Deadlines	
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Jan. 15	March 15	March 15	
<b>Winter Term:</b>	Feb. 15	Aug. 15	Oct. 15	Oct. 15	
<b>Summer Term:</b>	N/A	N/A	N/A	N/A	

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit. All inquiries pertaining to admission procedures should be directed to the [Graduate Admissions Secretary](#).



**Note:** Applications for Summer term admission will not be considered.

#### 14.11.2.4 Biology Faculty

##### Chair

Gregor Fussmann

##### Graduate Program Director

Frédéric Guichard

##### Emeritus Professors

Gregory G. Brown; B.Sc.(Notre Dame), Ph.D.(CUNY)

A. Howard Bussey; B.Sc., Ph.D.(Brist.), F.R.S.C.

Robert L. Carroll; B.S.(Mich.), M.A., Ph.D.(Harv.), F.R.S.C.

Ronald Chase; A.B.(Stan.), Ph.D.(MIT)

### **Emeritus Professors**

Rajinder S. Dhindsa; B.Sc., M.Sc.(Punj.), Ph.D.(Wash.)

Jacob Kalf; M.S.A.(Tor.), Ph.D.(Ind.)

Donald L. Kramer; B.Sc.(Boston Coll.), Ph.D.(Br. Col.)

Martin J. Lechowicz; B.A.(Mich. St.), M.S., Ph.D.(Wisc.)

John B. Lewis; B.Sc., M.Sc., Ph.D.(McG.)

Barid B. Mukherjee; B.Sc., M.Sc.(Calc.), M.Sc.(Brigham Young), Ph.D.(Utah)

Gerald S. Pollack; M.A., Ph.D.(Princ.)

Ronald Poole; B.Sc., Ph.D.(Birm.)

Derek Roff; F.R.S.C.

Rolf Sattler

### **Professors**

Ehab Abouheif; M.Sc.(C'odia), Ph.D.(Duke)

Graham A.C. Bell; B.A., D.Phil.(Oxf.), F.R.S.C. (*James McGill Professor*) (*on sabbatical*)

Lauren Chapman; B.Sc.(Alta.), Ph.D.(McG.) (*Canada Research Chair in Respiratory Ecology and Aquatic Conservation*)

### **Associate Professors**

Tamara Western; B.Sc.(Dal.), Ph.D.(Br. Col.) (*Associate Dean [Academic], Faculty of Science*)

Sarah Woolley; B.Sc.(Duke), Ph.D.(Texas-Austin) (*on sabbatical*)

Monique Zetka; B.Sc., Ph.D.(Br. Col.)

Hugo Zheng; M.Sc.(Helsinki), Ph.D.(Oxf. Brookes)

### **Assistant Professors**

Mélanie Guigueno; M.Sc.(Manit.), Ph.D.(Western) (*be*

#### 14.11.2.6 Master of Science (M.Sc.) Biology (Thesis): Environment (48 credits)

##### Thesis Courses (39 credits)

BIOL 697	(13)	Master's Thesis Research 1
BIOL 698	(13)	Master's Thesis Research 2
BIOL 699	(13)	Master's Thesis Research 3

##### Required Courses (6 credits)

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3

##### Complementary Courses (3 credits)

3 credits, one of the following courses:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment

BIOL 699 (13) Master's Thesis Research 3

**Required Courses (3 credits)**

COMP 616D1 (1.5) Bioinformatics Seminar

COMP 616D2 (1.5) Bioinformatics Seminar

**Complementary**



### 14.11.3 Chemistry

#### 14.11.3.1 Location

Department of Chemistry  
Otto Maass Chemistry Building  
801 Sherbrooke Street West  
Montreal QC H3A 0B8  
Canada  
Telephone: 514-398-6999  
Fax: 514-398-3797  
Email: [graduate.chemistry@mcgill.ca](mailto:graduate.chemistry@mcgill.ca)  
Website: [www.mcgill.ca/chemistry](http://www.mcgill.ca/chemistry)

#### 14.11.3.2 About Chemistry

##### Research in Chemistry

Members of the Department are organized into various research themes. Some of the current research interests are listed below, and are presented in much more detail on the [Departmental website](#).

##### Analytical/Environmental

The Analytical/Environmental Thematic Research Group at McGill is involved in a wide range of exciting fundamental and applied research with focus on: state-of-the-art instrumental development in spectroscopy; imaging; chemometric and analytical bio-spectroscopy; artificial intelligence; ultra trace sampling; state-of-the-art atmospheric kinetics and photochemistry; thermochemical, box, and cloud modelling; as well as the development and application of state-of-the-art numerical models of the chemistry of the regional and global atmosphere. Our collective research has direct implications in fields such as materials, environmental, and biomedical chemistry.

##### Chemical Biology

The Chemical Biology Thematic Research Group is engaged in a diverse range of research topics, which span structural biology, enzymology, nucleic acid research, signalling pa Our collect(Re.0 0 1 rg0 0 1 Rcleic acid)11.3.1



## Synthesis/Catalysis

The Synthesis/Catalysis Research Activity Group is a collective to develop the state-of-art catalysts, synthetic methodologies, reaction mechanisms, and synthetic routes for organic chemicals, natural products, and materials. The following are the major research activities at McGill: **(1)** Development of novel catalysts and catalytic reactions for highly efficient organic synthesis; Green Chemistry. This includes the study and discovery of novel transition-metal catalysts, biological catalysts, nano- and dendrimer-based catalysts for synthetic purposes; new chemical reactivity such as C-H activation, asymmetric catalysis and theory, multi-component reactions and combinatorial chemistry; innovative chemistry in alternative solvents such as water, sub-critical water, ionic liquids, and liquid CO<sub>2</sub>; photocatalytic reactions, reaction mechanisms, and physical organic chemistry; and computational chemistry. **(2)** Synthesis of biological compounds, organic materials, and natural products. Focus areas are total synthesis of natural products, synthesis of DNA and RNA analogues; synthesis of antiviral and anticancer nucleoside analogues, synthesis of amino acid and peptides; synthesis and study of carbohydrate derivatives; design, synthesis, and study of speciality organic chemical and materials.

*section 14.11.3.5: Master of Science (M.Sc.) Chemistry (Thesis) (45 credits)*

#### 14.11.3.4 Chemistry Faculty

##### Chair

M.J. Damha

##### Director of Graduate Studies

G. Cosa

##### Emeritus Professors

T.H. Chan; B.Sc.(Tor.), M.A., Ph.D.(Princ.), F.C.I.C., F.R.S.C.

A. Eisenberg; B.S.(Wor. Poly.), M.A., Ph.D.(Princ.), F.C.I.C.

B.C. Eu; B.Sc.(Seoul), Ph.D.(Brown)

D.G. Gray; B.Sc.(Belf.), M.Sc., Ph.D.(Manit.), F.C.I.C.

E.D. Salin; B.Sc.(Calif.), Ph.D.(Ore.), F.C.I.C.

M.A. Whitehead; B.Sc., Ph.D., D.Sc.(Lond.), F.C.I.C.

##### Professors

M.P. Andrews; B.Sc., M.Sc., Ph.D.(Tor.)

P. Ariya; B.Sc., Ph.D.(York)

B.A. Arndtsen; B.A.(Car.), Ph.D.(Stan.)

K. Auclair; B.Sc.(UQAC), Ph.D.(Alta.)

D.S. Bohle; B.A.(Reed), M.Phil., Ph.D.(Auck.)

I.S. Butler; B.Sc., Ph.D.(Brist.), F.C.I.C.

G. Cosa; B.Sc.(Argentina), Ph.D.(Ott.)

M.J. Damha; B.Sc., Ph.D.(McG.), F.C.I.C.

D.N. Harpp; A.B.(Middlebury), M.A.(Wesl.), Ph.D.(N. Carolina), F.C.I.C.

A. Kakkar; B.Sc., M.Sc.(Chan. U., India), Ph.D.(Wat.)

R.B. Lennox; B.Sc., M.Sc., Ph.D.(Tor.), F.C.I.C., F.R.S.C.

C.J. Li; B.Sc.(Zhengzhou), M.S.(Chin. Auck.)

**Associate Professors**

N. Moitessier; M.Sc., Ph.D.(Nancy)

A. Moores; B.Sc., Ph.D.(École Polytechnique, Paris)

J.F. Power; B.Sc., Ph.D.(C'odia)

L. Reven; B.A.(Car.), Ph.D.(Ill.)

B. Siwick; B.A.Sc. Eng. Sci., M.Sc., Ph.D.(Tor.)

**Assistant Pr**

The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses

CHEM 650	(1)	Seminars in Chemistry 1
CHEM 651	(1)	Seminars in Chemistry 2
CHEM 688	(3)	Assessment
CHEM 701	(0)	Comprehensive Examination 1
CHEM 702	(0)	Comprehensive Examination 2

### Complementary Courses

Students entering the program with an M.Sc. degree will normally take three (3) graduate-level courses. Students entering without an M.Sc. degree will normally take five (5) graduate-level courses.

Students may be required to take advanced undergraduate courses if background deficient.

## 14.11.4 Computer Science

### 14.11.4.1 Location

School of Computer Science  
McConnell Engineering, Room 318  
3480 University Street  
Montreal QC H3A 0E9  
Canada  
Telephone: 514-398-7071, ext. 00074  
Fax: 514-398-3883  
Email: [grad.cs@mcgill.ca](mailto:grad.cs@mcgill.ca)  
Website: [www.cs.mcgill.ca](http://www.cs.mcgill.ca)

### 14.11.4.2 About Computer Science

The School of Computer Science is one of the leading teaching and research centres for computer science in Canada. We offer several **M.Sc.** programs and a **Ph.D.** program; all include coursework and research. In the basic M.Sc. programs, students must choose between the thesis option, and the non-thesis option, which requires a project. The Ph.D. program includes an option in bioinformatics, and the thesis M.Sc. program includes options in bioinformatics and in Computational Science and Engineering. Students are normally funded by their adviser's research grants; in the case of scholarship students, this typically takes the form of a 'top-up' to the scholarship. Research in the School covers a broad range of areas, including:

- **Theory:** algorithms, combinatorial optimization, computational geometry, cryptography, graph theory, logic and computation, programming languages, quantum computing, theory of computation, and scientific computing;
- **Systems:** compilers, computer games, distributed systems, embedded and real-time systems, modelling and simulations, networks, and software engineering;
- **Applications:** bioinformatics, machine learning, robotics, computer animation, graphics, and vision.

All students must consult the [graduate program website](#), where up-to-date information about the graduate programs is posted. Any questions concerning programs should be addressed to the [Graduate Program Coordinator](#).

#### *section 14.11.4.5: Master of Science (M.Sc.) Computer Science (Thesis) (45 credits)*

This program is designed for students with a strong interest in research in computer science who hold at least the equivalent of an undergraduate minor in CS. This program combines a strong course component with a research thesis. It is the usual (but not mandatory) entry point for students who wish to do a Ph.D., but is also the program of choice for students who want to find challenging and exciting jobs after their master's.

#### *section 14.11.4.6: Master of Science (M.Sc.) Computer Science (Thesis): Bioinformatics (45 credits)*

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/ectn3 Tm(An)Tj1 0 0 1 486.721 1Ev5.47ompnges and design, the construction of tool ., b

*section 14.11.4.7: Master of Science (M.Sc.) Computer Science (Thesis): Computational Science & Engineering (45 credits)*

This program option is to train graduates in state-of-the-art applications of numerical and modelling methods and computer technology to scientific and engineering problems. CSE is a rapidly growing multidisciplinary area with connections to the sciences, engineering, mathematics, and computer science.

*section 14.11.4.8: Master of Science (M.Sc.) Computer Science (Non-Thesis) (45 credits)*

This program is designed for students who want to obtain broad knowledge of advanced topics in computer science but without the requirement of a thesis. It offers an excellent preparation for the job market, but is not recommended for students interested in eventually pursuing a Ph.D.

*section 14.11.4.9: Doctor of Philosophy (Ph.D.) Computer Science*

The Ph.D. program trains students to become strong, independent researchers in the field of their choice. Our graduates take challenging positions in industry or take academic positions at universities and research labs. In order to apply to the Ph.D. program, applicants should normally hold a master's degree in Computer Science or a closely related area, from a well-recognized university, but exceptional students can be admitted to the Ph.D. program directly without a master's degree.

*section 14.11.4.10: Doctor of Philosophy (Ph.D.) Computer Science: Bioinformatics*

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the

	Application Opening Dates		Application Deadlines	
<b>Winter Term:</b> (*Ph.D. <i>only</i> )	Feb. 15*	Sept. 1*	Sept. 1*	Sept. 1*
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

For further details on our admission requirements, please visit our website at [www.cs.mcgill.ca/academic/graduate/admission](http://www.cs.mcgill.ca/academic/graduate/admission).

**Scholarship Deadlines:** **January 1** for applicants who wish to be considered for scholarship awards; otherwise, March 1 for admission to the Fall term.

## Associate Professors

P. Kry; B.Sc.(Wat.), M.Sc., Ph.D.(Br. Col.)

M. Langer; B.Sc.(McG.), M.Sc.(TorCol.)

22 credits selected from:

COMP 691	(3)	Thesis Research 1
COMP 696	(3)	Thesis Research 2
COMP 697	(4)	Thesis Research 3
COMP 698	(10)	Thesis Research 4
COMP 699	(12)	Thesis Research 5

**Required Courses (3 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

**Required Course**

COMP 601	(2)	Thesis Literature Review
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**Complementary Courses (18 credits)**

6 credits chosen from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

12 credits of 4-credit courses chosen from 500-, 600-, or 700-level Computer Science courses in consultation with the candidate's supervisor.

Note: Students with al the candidTj1 0 0 1 165.864 6950 1 67.5Mnr6i su backgrou7.52cG006 70.52 449.903 Tm(BMDE 652)Tj1 0 0 1 221.94988163 4 365.163 b7.5iu



## **Complementary Courses**

(minimum 20 credits)

At least 6 courses whereby at least two courses must be from List A, at least two courses from List B, and the remaining credits to be chosen from graduate (500-, 600-, or 700-level) courses in the School of Computer Science. Tw441 Tm(w)T89.oe School li,ceast 6 courses w1 305.233 67427.30Tm(v)Tj1 0 0aduoutsidel of



COMP 567	(3)	Discrete Optimization 2
COMP 598	(3)	Topics in Computer Science 1
COMP 599	(3)	Topics in Computer Science 2
COMP 610	(4)	Information Structures 1
COMP 618	(3)	Bioinformatics: Functional Genomics
	(4)	Theoretical Programming Languages

Note: Each year the Ph.D. Committee will determine which category COMP 598 and COMP 599 belong to according to the subjects taught in those courses.

#### **14.11.4.10 Doctor of Philosophy (Ph.D.) Computer Science: Bioinformatics**

##### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly e

- the evolution of topography during orogenesis;
- wetland hydrogeology;
- interactions between the cryosphere, solid Earth, and climate systems;
- planetary-scale ocean biogeochemistry (e.g., ocean acidification) and its relationship to global warming.

There is a very substantial interdisciplinary basis to much of the research.

Facilities in the Department include low-temperature and pressure to high-temperature and pressure experimental laboratories, a stable-isotope mass spectrometer, laser-ablation ICP-MS, and electron microprobe, as well as atomic absorption spectrometers. Our students also make substantial use of other facilities at McGill and at nearby *Université du Québec à Montréal*.

Financial assistance is available in the form of teaching assistantships, research assistantships, and scholarships.

**Areas of Research :**

**Aquatic Geochemistry**

Application of chemical thermodynamics, kinetics, and surface chemistry to the characterization of mineral-solution interactions in aquatic environments; carbonate geochemistry; early diagenesis of marine and coastal sediments; trace metal and environmental geochemistry in freshwater and marine systems.

**Biogeochemistry**

Response of the marine ecosystem to climate change and anthropogenic stresses through observations of the modern ocean, and experimental and numerical simulations of ocean biogeochemistry. Reconstructions of past climate change using sediments from lacustrine, coastal, and marine sediments. The processes controlling carbon cycling in freshwater environments, including the burial of organic matter in sediments and the production of greenhouse gases through microbial respiration. Development of new isotopic methods for tracing carbon-cycle and hydrological change in the past and present.

**Economic Geology**

Studies of the genesis of hydrothermal mineral deposits through a combination of field-based, experimental, and theoretical methods. Research focuses on the understanding of physico-chemical controls of mineralization, through geological mapping of deposits; experimental studies of metal solubility and speciation in hydrothermal systems; simulations of hydrothermal alteration; and theoretical studies designed to estimate conditions of alteration and ore formation. Trace-element chemistry of minerals as quantitative probes of the compositions of ore-forming fluids.

**Geophysics and Climate**

Applying physics to study the interactions between the solid Earth, ice, ocean, and climate systems; numerical modelling, analysis, and interpretation of paleo and modern sea-level paleo and modern s37shwTj1 0 TfTm(arming.)Tj89.706s37shwTj1 8.4 Tflm(w-temperatu12.525s37shwTj1 w.68 Tmea5330.nm trt wiysa.4 ez

*section 14.11.5.5: Master of Science (M.Sc.) Earth and Planetary Sciences (Thesis) (45 credits)*

The nature of graduate research in the Department of Earth and Planetary Sciences is highly variable. As a result, students may enter the graduate program with backgrounds in earth sciences, chemistry, or physics, depending on their research interests and the supervisor with whom they wish to work. Students pursuing an M.Sc. are required to take four courses, but their major project is an M.Sc. thesis that typically results in a journal publication. Research for the thesis typically begins in the first year of residence and is completed, together with the written results, in the second year of residence.

Students graduating from the program typically proceed to a Ph.D. or work in the mineral exploration or petroleum industries. Excellent students admitted into the M.Sc. program can be “fast-tracked” from the M.Sc. into the Ph.D. program at the end of the first year if suitable progress has been demonstrated.



## Retired Professor

R. Hesse

### 14.11.5.5 Master of Science (M.Sc.) Earth and Planetary Sciences (Thesis) (45 credits)

#### Thesis Courses (33 credits)

EPSC 697	(9)	Thesis Preparation 1
EPSC 698	(12)	Thesis Preparation 2
EPSC 699	(12)	Thesis Preparation 3

#### Complementary Courses (12 credits)

Four 3-credit 500-, 600-, or 700-level EPSC courses chosen with the approval of the supervisor or the research director and GPS.

### 14.11.5.6 Master of Science (M.Sc.) Earth and Planetary Sciences (Thesis): Environment (48 credits)

#### Thesis Courses (33 credits)

EPSC 697	(9)	Thesis Preparation 1
EPSC 698	(12)	Thesis Preparation 2
EPSC 699	(12)	Thesis Preparation 3

#### Required Courses (9 credits)

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
EPSC 666	(3)	Current Issues in Geosciences

#### Complementary Courses (6 credits)

One 3-credit course at the 500, 600, or 700 level chosen with the approval of the supervisor or research director and GPS.(12)



A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to kno



***section 3.11.9.7: Master of Arts (M.A.) Geography (Thesis): Environment (45 credits)***

The Environment option is offered in association with the *McGill School of Environment* (MSE) and is composed of a thesis component, required, and complementary Geography and Environment courses. The graduate option in Environment provides students with an appreciation for the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

***section 3.11.9.8: Master of Arts (M.A.) Geography (Thesis): Gender and Women's Studies (45 credits)***

This is an interdisciplinary program for Geography students wishing to focus on gender and women's studies and issues in feminist research and methods. Included within it are a thesis on gender and women'

*section 3.11.9.11: Doctor of Philosophy (Ph.D.) Geography: Environment*

The Environment option consists of the thesis and comprehensive examination; required courses from Geography and Environment; and complementary courses in Environment or other fields recommended by the research committee and approved by the En

Application Opening Dates		Application Deadlines		
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)
<b>Fall Term:</b>	Sept. 15	Jan. 31	Jan. 31	Jan. 31
<b>Winter Term:</b>	N/A	N/A	N/A	N/A
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

### Geography F



ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

#### 14.11.6.7 Master of Science (M.Sc.) Geography (Thesis): Neotropical Environment (45 credits)

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

##### Thesis Courses (30 credits)

GEOG 698	(6)	Thesis Proposal
GEOG 699	(24)	Thesis Research

##### Required Courses (9 credits)

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
GEOG 631	(3)	Methods of Geographical Research

##### Complementary Course (3 credits)

3 credits, one Geography graduate course. GEOG 696 can count among these complementary credits for students with an appropriate background.

##### Elective Course (3 credits)

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approval by the student's supervisor AND the Neotropical Environment Options Director.

#### 14.11.6.8 Doctor of Philosophy (Ph.D.) Geography

The doctoral degree in Geography includes the successful completion of the comprehensive examination, a thesis based on original research and coursework chosen in collaboration with the student's supervisor and/or research committee. The main elements of the Ph.D. are the thesis and comprehensive examination, a required Methods of Geographical Research course (3 credits), and a minimum of two complementary courses (6 credits). The Ph.D. in Geography also includes several options.

##### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

##### Required Courses

GEOG 631	(3)	Methods of Geographical Research
GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

##### Complementary Courses

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

**14.11.6.9 Doctor of Philosophy (Ph.D.) Geography: Environment**

The option consists of the thesis and comprehensive examination, required courses (9 credits) from Geography and Environment and complementary courses (9 credits) in Environment or other fields recommended by the research committee and approved by the Environment Option Committee.

**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
GEOG 631	(3)	Methods of Geographical Research

**Complementary Courses**

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

**Comprehensives**

GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

**14.11.6.10 Doctor of Philosophy (Ph.D.) Geography: Gender and Women's Studies**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Geography who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

**Required Courses**

GEOG 631	(3)	Methods of Geographical Research
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- Algebra;
- Algebraic Geometry;
- Analysis;
- Applied Mathematics;
- Differential Equations;
- Differential Geometry;
- Discrete Mathematics;
- Geometric Group Theory;
- Logic;
- Mathematical Biology;
- Mathematical Physics;
- Number Theory;
- Probability;
- Statistics.

In the basic master's programs, students must choose between the thesis option, and the non-thesis option which requires a project. The Bioinformatics and CSE options require a thesis. In addition to the Ph.D. program in Mathematics and Statistics, there is a Ph.D. option in Bioinformatics.

The [Department's website](#) provides extensive information on the Department and its facilities, including the research activities and research interests of individual faculty members. It also provides detailed supplementary information concerning our programs, admissions, funding of graduate students, thesis requirements, advice concerning the choice of courses, etc.

Students are urged to consult the [Institut des Sciences Mathématiques \(ISM\) website](#), which coordinates intermediate and advanced-level graduate courses among Montreal and Quebec universities. A list of courses available under the ISM auspices can be obtained from the ISM website. The ISM also offers fellowships and promotes a variety of joint academic activities greatly enhancing the mathematical environment in Montreal and in the province of Quebec.

#### **Master of Arts (M.A.) Programs in Mathematics and Statistics**

Detailed program requirements for the following M.A. programs are found in [Arts > Graduate > Browse Academic Units & Programs > Mathematics and Statistics](#).

##### ***section 3.11.17.5: Master of Arts (M.A.) Mathematics and Statistics (Thesis) (45 credits)***

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.A.). The thesis option requires a thesis and six approved courses.

##### ***section 3.11.17.6: Master of Arts (M.A.) Mathematics and Statistics (Non-Thesis) (45 credits)***

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the master's degree (M.A.). The non-thesis option requires a project and eight approved courses.

#### **Master of Science (M.Sc.) Programs in Mathematics and Statistics**

Detailed program requirements for the following M.Sc. programs are found in [Science > Graduate > Browse Academic Units & Programs > Mathematics and Statistics](#).

##### ***section 14.11.7.5: Master of Science (M.Sc.) Mathematics and Statistics (Thesis) (45 credits)***

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the master's degree (M.Sc.). The thesis option requires a thesis and six approved courses.

##### ***section 14.11.7.6: Master of Science (M.Sc.) Mathematics and Statistics (Thesis): Bioinformatics (48 credits)***

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics option at the M.Sc. level will be fluent in the concepts, language, approaches, and limitations of the field.

##### ***section 14.11.7.7: Master of Science (M.Sc.) Mathematics and Statistics (Thesis): Computational Science & Engineering (47 credits)***

CSE is a rapidly growing multidisciplinary area with connections to the sciences, engineering, mathematics, and computer science. CSE focuses on the development of problem-solving methodologies and robust tools for the solution of scientific and engineering problems.

#### *section 14.11.7.8: Master of Science (M.Sc.) Mathematics and Statistics (Non-Thesis) (45 credits)*

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the master's degree (M.Sc.). The non-thesis option requires a project and eight approved courses.

### **Ph.D. Programs in Mathematics and Statistics**

#### *section 3.11.17.7: Doctor of Philosophy (Ph.D.) Mathematics and Statistics*

The Department offers a course of studies leading to the Ph.D. degree. It differs substantially from the master's programs in that the student must write a thesis that makes an original contribution to knowledge. The thesis topic is chosen by the student in consultation with the research supervisor. The thesis must be examined and approved by an internal examiner (normally the research supervisor), an external examiner and the Oral Examination Committee. The student must make an oral defense of the thesis before that Committee. In addition, the student has to pass comprehensive examinations.

#### *section 3.11.17.8: Doctor of Philosophy (Ph.D.) Mathematics and Statistics: Bioinformatics*

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics option at the Ph.D. level will be fluent in the concepts, language, approaches, and limitations of the field and will have the capability of developing an independent bioinformatics research program.

### **14.11.7.3 Mathematics and Statistics Admission Requirements and Application Procedures**

#### **14.11.7.3.1 Admission Requirements**

In addition to the general Graduate and Postdoctoral Studies requirements, the Department requirements are as follows:

##### **Master's Degree**

The normal entrance requirement for the master's programs is a Canadian honours degree or its equivalent, with high standing, in mathematics or a closely related discipline in the case of applicants intending to concentrate in statistics or applied mathematics.

Applicants wishing to concentrate in pure mathematics should have a strong background in linear algebra, abstract algebra, and real and complex analysis.

Applicants wishing to concentrate in statistics should have a strong background in linear algebra and basic real analysis. A calculus-based course in probability and one in statistics are required, as well as some knowledge of computer programming. Some knowledge of numerical analysis and optimization is desirable.

Applicants wishing to concentrate in applied mathematics should have a strong background in most of the areas of linear algebra, analysis, differential equations, discrete mathematics, and numerical analysis. Some knowledge of computer programming is also desirable.

Students whose preparation is insufficient for the program they wish to enter may, exceptionally, be admitted to a Qualifying year.

##### **Ph.D. Degree**

A master's degree with high standing is required, in addition to the requirements listed above for the master's program. Students may transfer directly from the master's program to the Ph.D. program under certain conditions. Students without a master's degree, but with exceptionally strong undergraduate training, may be admitted directly to Ph.D. 1.

#### **14.11.7.3.2 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

##### *14.11.7.3.2.1 Additional Requirements*

The items and clarifications below are additional requirements set by this department:

- Personal Statement – In the personal statement, the applicants should clearly explain their choice of preferred research group(s) and preferred area(s) of research, as well as providing relev

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
<b>Fall Term:</b>	Sept. 15	Jan. 15	Jan. 15	Jan. 15
<b>Winter Term:</b>	Feb. 15	Sept. 10	Sept. 15	Sept. 15
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

#### 14.11.7.4 Mathematics and Statistics Faculty

##### Chair

David A. Stephens

##### Graduate Program Director

Dmitry Jakobson

##### Emeritus Professors

William J. Anderson; B.Eng., Ph.D.(McG.)

Michael Barr; A.B., Ph.D.(Penn.) (*Peter Redpath Emeritus Professor of Pure Mathematics*)

William G. Brown; B.A.(Tor.), M.A.(Col.), Ph.D.(Tor.)

Marta Bunge; M.A., Ph.D.(Penn.)

Ian Connell; B.Sc., M.Sc.(Manit.), Ph.D.(McG.)

Kohur N. GowriSankaran; B.A., M.A.(Madr.), Ph.D.(Bom.)

Paul Koosis; B.A., Ph.D.(Calif., Berk.)

Michael Makkai; M.A., Ph.D.(Bud.) (*Peter Redpath Professor of Pure Mathematics*)

Sherwin Maslowe; B.Sc.(Wayne St.), M.Sc., Ph.D.(Calif.)

Arak M. Mathai; M.Sc.(Kerala), M.A., Ph.D.(Tor.)

Karl Peter Russell; Vor.Dip.(Hamburg), Ph.D.(Calif.)

Georg Schmidt; B.Sc.(Natal), M.Sc.(S. Af.), Ph.D.(Stan.)

Vanamamalai Seshadri; B.Sc. M.Sc.(Madr.), Ph.D.(Okl.)

George P.H. Styan; M.A., Ph.D.(Col.)

Kwok Kuen Tam; M.A., Ph.D.(Tor.)

John C. Taylor; B.Sc.(Acad.), M.A.(Qu.), Ph.D.(McM.)

Jian-Jun Xu; B.Sc., M.Sc.(Beijing), M.Sc., Ph.D.(Rensselaer Poly.)

Sanjo Zlobec; M.Sc.(Zagreb), Ph.D.(N'western)

##### Professors

Masoud Asgharian; B.Sc.(Shahid Beheshti), M.Sc., Ph.D.(McG.)

Peter Bartello; B.Sc.(Tor.), M.Sc., Ph.D.(McG.) (*joint appt. with Atmospheric and Oceanic Sciences*)

Rustum Choksi; B.Sc.(Tor.), M.Sc., Ph.D.(Brown)

Henri Darmon; B.Sc.(McG.), Ph.D.(Harv.), F.R.S.C. (*James McGill Professor*)

Stephen W. Drury; M.A., Ph.D.(Cant.)

Christian Genest; B.Sp.Sc.(UQAC), M.Sc.(UQAM), Ph.D.(Br. Col.) (*Canada Research Chair*)

Eyal Z. Goren; B.A., M.S., Ph.D.(Hebrew)

## Professors

Pengfei Guan; B.Sc.(Zhejiang), M.Sc., Ph.D.(Princ.) (*Canada Research Chair*)  
Jacques C. Hurtubise; B.Sc.(Montr.), D.Phil.(Oxf.) F.R.S.C.  
Dmitry Jakobson; B.Sc.(MIT), Ph.D.(Princ.) (*Peter Redpath Professor*)  
Vojkan Jaksic; B.S.(Belgrade), Ph.D.(Calif. Tech.)  
Niky Kamran; B.Sc., M.Sc.(Bruxelles), Ph.D.(Wat.), F.R.S.C. (*James McGill Professor*)  
Adam Oberman; B.S.(Tor.), M.S., Ph.D.(Chic.)  
Charles Roth; M.Sc.(McG.), Ph.D.(Hebrew)  
David A. Stephens; B.Sc., Ph.D.(Nott.) (*James McGill Professor*)  
John A. Toth; B.Sc., M.Sc.(McM.), Ph.D.(MIT) (*William Dawson Scholar*)  
Adrian Vetta; B.Sc., M.Sc.(LSE), Ph.D.(MIT) (*joint appt. with Computer Science*)  
Daniel T. Wise; B.A.(Yeshiva), Ph.D.(Princ.) (*James McGill Professor*)  
David Wolfson; B.Sc., M.Sc.(Natal), Ph.D.(Purd.)

## Associate Professors

Louigi Addario-Berry; B.Sc., M.Sc., Ph.D.(McG.)  
Antony R. Humphries; B.A., M.A.(Camb.), Ph.D.(Bath)  
Abbas Khalili; B.S., M.S.(Isfahan Univ. of Tech), Ph.D.(Wat.)  
Jean-Philippe Lessard; B.Sc.(Sher.), M.Sc.(Montr.), Ph.D.(Georgia Tech.)  
Jean-Christophe Nave; B.Sc., Ph.D.(Calif., Santa Barbara)  
Johanna Neslehova; B.Sc., M.Sc.(Hamburg), Ph.D.(Oldenburg)  
Sergey Norin; M.S.(Saint Petersburg St.), Ph.D.(Georgia Tech.)  
Mikael Pichot; B.Sc.(Lyon), M.S., Ph.D.(ENS Lyon)  
Russell Steele; B.S., M.S.(Carn. Mell), Ph.D.(Wash.)  
Gantumur Tsogtgerel; B.Sc.(Nat. Univ. Mongolia), M.Sc., Ph.D.(Utrecht)

## Assistant Professors

Linan Chen; B.S.(Tsinghua), Ph.D.(MIT)  
Sarah Harrison; B.Sc.(MIT), Ph.D.(Stan.)  
Tim Hoheisel; Dipl., Ph.D.(Wurzburg)  
Jessica Lin; B.A.(NYU), Ph.D.(Chic.)  
Piotr Przytycki; M.Sc., Ph.D.(Warsaw)  
Maksym Radziwill; B.Sc.(McG.), Ph.D.(Stan.) (*Canada Research Chair*)  
Marcin Sabok; M.Sc., Ph.D.(Warsaw)  
Jérôme Vétois; Ph.D.(Cergy-Pontoise)  
Yi Yang; B.S.(Sichuan), M.S., Ph.D.(Minn.)

## Associate Members

Xiao-Wen Chang (*Computer Science*)  
Luc P. Devroye (*Computer Science*)  
Pierre R.L. Dutilleul (*Plant Science*)  
Leon Glass (*Physiology*)  
James A. Hanley (*Epidemiology and Biostatistics*)  
Hamed Hatami (*Computer Science*)  
Lawrence Joseph (*Epidemiology and Biostatistics*) and B1 0 0 1 78.94sLeon Glass (*gy and Biostatistics*)Xi4.64

## Associate Members

Anmar Khadra (*Physiology*)

Michael Mackey (*Physiology*)

Erica E.M. Moodie (*Epidemiology and Biostatistics*)

Prakash Panangaden (*Computer Science*)

Robert W. Platt (*Epidemiology and Biostatistics*)

James O. Ramsay (*Psychology*)

Alexandra Schmidt (*Epidemiology and Biostatistics*)

**Complementary Courses (21 credits)**

At least six approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

**14.11.7.6 Master of Science (M.Sc.) Mathematics and Statistics (Thesis): Bioinformatics (48 credits)****Thesis Courses (24 credits)**

MATH 600	(6)	Master's Thesis Research 1
MATH 601	(6)	Master's Thesis Research 2
MATH 604	(6)	Master's Thesis Research 3
MATH 605	(6)	Master's Thesis Research 4

**Required Course (3 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

**Complementary Courses (21 credits)**

6 credits from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

15 credits of approved courses at the 500 or 600 level. Additional courses may be required at the discretion of the candidate's supervisory committee.

**14.11.7.7 Master of Science (M.Sc.) Mathematics and Statistics (Thesis): Computational Science & Engineering (47 credits)****Thesis Courses (24 credits)**

MATH 600	(6)	Master's Thesis Research 1
MATH 601	(6)	Master's Thesis Research 2
MATH 604	(6)	Master's Thesis Research 3
MATH 605	(6)	Master's Thesis Research 4

**Required Course**

(1 credit)

MATH 669D1	(.5)	CSE Seminar
MATH 669D2	(.5)	CSE Seminar

**Complementary Courses (22 credits)**

(minimum 22 credits)

Two courses from List A, two courses from List B, and the remaining credits to be chosen from graduate (500- or 600-level) courses in the Department of Mathematics and Statistics. Two complementary courses must be taken outside the Department of Mathematics and Statistics.

**List A - Scientific Computing Courses:**





**14.11.7.8 Master of Science (M.Sc.) Mathematics and Statistics (Non-Thesis) (45 credits)**

**Research Project (16 credits)**

MATH 640 (8) Project 1

MATH 641 (8) Project 2

**Complementary Courses (29 credits)**

At least eight approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

**14.11.7.9 Doctor of Philosophy (Ph.D.) Mathematics and Statistics**

**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research adv

## 14.11.8 Physics

### 14.11.8.1 Location

Department of Physics  
Ernest Rutherford Physics Building  
3600 University Street  
Montreal QC H3A 2T8  
Canada  
Telephone: 514-398-6485 (Graduate Information)  
Fax: 514-398-8434  
Email: [gr](#)

*Experimental:* The experimental high-energy physics group is engaged in a number of experiments at the research frontiers of the field, both in subatomic physics and in high-energy astrophysics. These include:

- Electron-positron collisions: a group works on the BaBar experiment at [SLAC](#) and the Belle-2 experiment at the [KEK](#) laboratory in Japan, with specific interest in CKM matrix elements and physics beyond the Standard Model through studies of rare decays, and on R&D for a future International Linear Collider, with interest in calorimeter development.
- Hadron-hadron collisions: A group is involved in major contributions to the energy frontier at [CERN's](#) LHC, with work on the High Level Trigger for the ATLAS experiment. Work also focuses on searches for new physics phenomena, precision physics of known Standard Model processes, development of the ATLAS experiment's trigger system, and direct contribution to the upgrade of the ATLAS detector.
- High-energy particle astrophysics: ground-based gamma-ray astronomy using the VERITAS telescope array and development of the next-generation detector.
- ~~Underground physics:~~ A group carries out experimental R&D with the aim of measuring, for the first time, the neutrinoless double-beta decay process with the EXO experiment.

Students at the M.Sc. and Ph.D. levels are of

The research interests of Unit members include various aspects of medical imaging, including:

- 3D imaging;
- the development of new imaging modalities;
- applications of imaging in radiation therapy such as radiation dosimetry and solid state;
- nuclear cardiology; and
- applications of radiation biology to therapy.

*section 14.11.8.5: Master of Science (M.Sc.) Physics (Thesis) (45 credits)*

This program provides a comprehensi



**Professors**

S. Lovejoy; B.Sc.(Camb.), Ph.D.(McG.)  
N. Provatas; Ph.D.(McG.) (*Canada Research Chair*)  
K. Ragan; B.Sc.(Alta.), Ph.D.(Geneva) (*Macdonald Professor of Physics*)  
D.H. Ryan; B.A., Ph.D.(Dub.)  
M. Sutton; B.Sc., M.Sc., Ph.D.(Tor.) (*James McGill Professor*) (*Rutherford Professor*)  
P. Wiseman; B.Sc.(St. FX), Ph.D.(W. Ont.) (*joint appt. with Chemistry*)

**Associate Professors**

B. Coish; Ph.D.(Basel)  
A. Cumming; B.A.(Camb.), Ph.D.(Calif., Berk.)  
K. Dasgupta; M.Sc., Ph.D.(TIFR)  
M. Dobbs; B.Sc.(McG.), Ph.D.(Vic., BC) (*Canada Research Chair*)  
P. Francois; Ph.D.(Paris VII)  
M. Hilke; B.Sc., M.Sc., Ph.D.(Geneva)  
A. Maloney; B.S., M.S.(Stan.), Ph.D.(Harv.) (*William Dawson Scholar*)  
W. Reisner; B.A.(Reed), Ph.D.(Princ.)  
S. Robertson; B.Sc.(Calg.), M.Sc., Ph.D.(Vic., BC) (*Affiliated I.P.P. Scientist*)  
R. Rutledge; B.Sc.(USC), Ph.D.(MIT)  
B. Siwick; B.Sc., M.Sc., Ph.D.(Tor.) (*Canada Research Chair*) (*joint appt. with Chemistry*)  
B. Vachon; B.Sc.(McG.), Ph.D.(Vic., BC)  
A. Warburton; B.Sc.(Vic., BC), M.Sc., Ph.D.(Tor.)  
T. Webb; B.Sc.(Tor.), M.Sc.(McM.), Ph.D.(Tor.)

**Assistant Professors**

T. Brunner; Dip., Ph.D.(Munich)  
S. Caron-Huot; B.Sc.(Laval), M.Sc., Ph.D.(McGill)  
L. Childress; Ph.D.(Harv.) (*Canada Research Chair*)  
D. Cooke; Ph.D.(Alta.)  
N. Cowan; B.Sc.(McG.), Ph.D.(Wash.) (*joint appt. with Earth and Planetary Sciences*)  
D. Haggard; B.Sc.(USF), M.Sc., Ph.D.(Wash.)  
S. Leslie; Ph.D.(Calif., Berk.)  
T. Pereg-Barnea; Ph.D.(Br. Col.)  
J. Sankey; Ph.D.(Cornell) (*Canada Research Chair*)

**Associate Members**

M. Chacron (*Physiology*)  
S. Devic (*Oncology*)  
S. Enger (*Oncology*)  
K. Gehring (*Biochemistry*)  
P. Kambhampati (*Chemistry*)  
A. Khadra (*Physiology*)  
J. Kildea (*Medical Physics*)  
I. Levesque (*Medical Physics*)  
M. Mackey (*Physiology*)



## **14.11.9 Psychology**

### **14.11.9.1 Location**



[Arts](#) > [Graduate](#) > [Browse Academic Units & Programs](#) > [Psychology](#) > [section 3.11.20.5: Master of Arts \(M.A.\) Psychology \(Thesis\) \(45 credits\)](#)

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

[Science](#) > [Graduate](#) > [Browse Academic Units & Programs](#) > [Psychology](#) > [section 14.11.9.5: Master of Science \(M.Sc.\) Psychology \(Thesis\) \(45 credits\)](#)

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

[section 3.11.20.6: Doctor of Philosophy \(Ph.D.\) Psychology](#)

Please contact the Department for more information about this program.

[section 14.11.9.7: Doctor of Philosophy \(Ph.D.\) Psychology: Behavioural Neuroscience](#)

The Ph.D in Psychology: Behavioural Neuroscience program emphasizes modern, advanced theory and methodology aimed at the neurological underpinnings of behaviour in human and non-human animals. This program is intended for graduate students in any area of Psychology who wish to obtain unique, intensive training at the intersection of psychology and neuroscience, thereby enhancing their expertise, the interdisciplinary potential of their dissertation research, and enabling them to compete successfully for academic or commercial positions in either field alone, or their intersection. It requires that students complete a dissertation that addresses Behavioural Neuroscience themes.

[section 14.11.9.8: Doctor of Philosophy \(Ph.D.\) Psychology: Language Acquisition](#)

This unique interdisciplinary program focuses on the scientific exploration of language acquisition by different kinds of learners in diverse contexts. Students in the Language Acquisition Program are introduced to theoretical and methodological issues on language acquisition from the perspectives of cognitive neuroscience, theoretical linguistics, psycholinguistics, education, communication sciences and disorders, and neuropsychology.

[section 14.11.9.9: Doctor of Philosophy \(Ph.D.\) Psychology: Psychosocial Oncology](#)

The Department of Oncology, in conjunction with the Ingram School of Nursing, the Department of Psychology and the School of Social Work, has developed the cross-disciplinary Psychosocial Oncology Option (PSOO). This option is open to doctoral students in the Ingram School of Nursing and in the Department of Psychology who are interested in broadening their knowledge of psychosocial issues in oncology.

### 14.11.9.3 Psychology Admission Requirements and Application Procedures

#### 14.11.9.3.1 Admission Requirements

Admission to the graduate program depends on an evaluation of students' research interests and their aptitude for original contributions to knowledge and, if applicable, for professional contributions in the applied field.

The usual requirement for admission is an Honours or majors degree (B.A. or B.Sc.) in Psychology. This usually includes an introductory course plus twelve courses in psychology (each equivalent to three term hours). Courses in experimental psychology, the theoretical development of modern ideas in psychology, and statistical methods as applied to psychological problems (equivalent to an introductory course) are essential. Applicants' knowledge of relevant biological, physical, and social sciences is considered. Students applying to the clinical program are advised to complete 42 specific undergraduate credits in psychology as specified by the [Order of Psychologists of Quebec](#) (*Ordre des psychologues du Québec*).

Applicants who hold a bachelor's degree but who have not met these usual requirements should consult the Graduate Program Director to determine which (if any) courses must be completed before an application can be considered. Students with insufficient preparation for graduate work may register as Special Students (undergraduate level) in the Faculty of Arts or the Faculty of Science, and follow an appropriate course of study. Such registration requires the permission of the Department but carries no advantage with respect to a student's eventual admission to graduate studies.

Applicants should note that the deadline for many scholarships and fellowships is about four months earlier than the application deadlines and that applications for scholarships and fellowships should be submitted through their home university.

All applicants must take the [GRE](#) General Test if they have studied in an English-speaking university. For those who hav

### **14.11.9.32 Application Procedures**

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

#### *14.11.9.32.1 Additional Requirements*

The items and clarifications below are additional requirements set by this department:

- Three letters of reference
- Personal Statement
- Curriculum Pr

## **Emeritus Professors**

D.S. Moskowitz; B.S.(Kirkland), M.A., Ph.D.(Conn.)

Y. Oshima-Takane; B.A.(Tokyo)

### Assistant Professors

O. Hardt; B.Sc., M.Sc.(Trier), Ph.D.(Ariz.)  
E. Hehman; B.A.(Mass.), Ph.D.(Delaware)  
L. Human; B.A., M.A., Ph.D.(Br. Col.)  
R. Otto; B.Sc.(Calif.), Ph.D.(Texas)  
S. Racine; B.Sc.(McG.), M.A., Ph.D.(Mich. St.)  
M. Roy; B.Sc., Ph.D.(Montr.)  
S. Sheldon; B.Sc.(Alta.), M.A., Ph.D.(Tor.)  
D. Vachon; B.Sc.(Tor.), M.Sc., Ph.D.(Purd.)  
A. Weinberg; B.A.(Wesl.), M.A., Ph.D.,(Stony Brook) (*Canada Research Chair*)

### Lecturer

P. Carvajal

### Professionals

Rhonda Amsel; B.Sc., M.Sc.(McG.) (*Associate*)  
Ian F. Bradley; B.Sc., M.Sc.(Tor.), Ph.D.(Wat.) (*Assistant*)  
Judith LeGallais; B.A., M.A., Ph.D.(McG.) (*Faculty Lecturer*)  
Jennifer Russell; B.A., Ph.D.(McG.) (*Assistant*)

### Associate Members

*Anesthesia*: T. Coderre  
*Douglas Mental Health University Institute Research Centre*: S. King, N. Rajah, H. Steiger  
*Jewish General Hospital*: B Thombs, P. Zolkowitz  
*McGill Vision Research Centre*: C. Baker, R. Hess, F.A.A. Kingdom, K. Mullen  
*Montreal Neurological Institute and Hospital*: J. Armony, A. Dagher, L.K. Fellows, D. Guitton, M. Jones-Gotman, M. Lepage, B. Milner, E. Ruthazer, W. Sossin, V. Sziklas, R. Zatorre  
*Schulich School of Music*: S. MacAdams  
*Psychiatry*: D. Dunkley

#### **14.11.9.6 Doctor of Philosophy (Ph.D.) Psychology**

All candidates for the Ph.D. degree must demonstrate broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of their special field. Great emphasis is placed on the development of research skills, and the dissertation forms the major part of the evaluation at the Ph.D. level.

Ph.D. students in Clinical Psychology must fulfil similar requirements to Ph.D. students in the Experimental Program and must also take a variety of specialized courses, which include practicum and internship experiences.

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances kno

PSYC 747	(3)	Quantitative and Individual Differences
PSYC 748	(3)	Quantitative and Individual Differences
PSYC 749	(3)	Quantitative and Individual Differences
PSYC 752D1	(3)	Psychotherapy and Behaviour Change
PSYC 752D2	(3)	Psychotherapy and Behaviour Change
PSYC 753	(3)	Health Psychology Seminar 1
PSYC 754	(3)	Health Psychology Seminar 2
PSYC 755	(3)	Health Psychology Seminar 3
PSYC 756	(3)	Health Psychology Seminar 4

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

Note: The Department of Psychology does not ordinarily require an examination in a foreign language however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

**Doctor of Philosophy (Ph.D.) Psychology: Beha,7.52 464.9 Tm(ps38u y51)Tjdiuseroreignresearch,T1 0 enabl**

Note: The Department of Psychology does not ordinarily require an examination in a foreign language however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

#### **14.11.9.8 Doctor of Philosophy (Ph.D.) Psychology: Language Acquisition**

Students must satisfy all program requirements for the Ph.D. in Psychology. The Ph.D. thesis must be on a topic relating to language acquisition.

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate ho

PSYC 743	(3)	Perception and Cognition
PSYC 744	(3)	Perception and Cognition
PSYC 746	(3)	Quantitative and Individual Differences
PSYC 747	(3)	Quantitative and Individual Differences
PSYC 748	(3)	Quantitative and Individual Differences
PSYC 749	(3)	Quantitative and Individual Differences
PSYC 752D1	(3)	Psychotherapy and Behaviour Change
PSYC 752D2	(3)	Psychotherapy and Behaviour Change
PSYC 753	(3)	Health Psychology Seminar 1
PSYC 754	(3)	Health Psychology Seminar 2
PSYC 755	(3)	Health Psychology Seminar 3
PSYC 756	(3)	Health Psychology Seminar 4

At least 3 credits selected from the following list:

EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Instructed Second Language Acquisition Research
EDSL 629	(3)	Second Language Assessment
EDSL 632	(3)	Second Language Literacy Development
LING 555	(3)	Language Acquisition 2
LING 590	(3)	Language Acquisition and Breakdown
LING 651	(3)	Topics in Acquisition of Phonology
LING 655	(3)	Theory of L2 Acquisition
LING 751	(3)	Advanced Seminar: Experimental 1
LING 752	(3)	Advanced Seminar: Experimental 2
PSYC 545	(3)	Topics in Language Acquisition
PSYC 735	(3)	Developmental Psychology and Language
SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children
SCSD 633	(3)	Language Development
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 654	(3)	Advanced Research Seminar 3

0-2 from the following:

EDSL 711	(2)	Language Acquisition Issues 3
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0-3 credits of statistics from the following list:



EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
LING 620	(3)	Experimental Linguistics: Methods
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

Students who have taken an equivalent course in statistics will be deemed to have satisfied this requirement for the Language Acquisition Option.

These 3 credits are only required for students who have not previously taken an equivalent course in statistics.

SWRK 609	(3)	Understanding Social Care
SWRK 668	(3)	Living with Illness, Loss and Bereavement

## **14.11.10 Redpath Museum**

### **14.11.10.1 Location**

Redpath Museum  
859 Sherbrooke Street West  
Montreal QC H3A 0C4  
Canada  
Telephone: 514-398-4086  
Fax: 514-398-3185  
Email: [redpath.museum@mcgill.ca](mailto:redpath.museum@mcgill.ca)  
Website: [www.mcgill.ca/redpath](http://www.mcgill.ca/redpath)

### **14.11.10.2 About Redpath Museum**

The Redpath Museum is a unique interdisciplinary unit within the Faculty of Science offering graduate training in research devoted to biodiversity, ecology, conservation biology, and evolutionary biology, leading to **M.Sc.** and **Ph.D.** degrees. It is an institution with extensive collections of ancient and modern (M.Sc.)Tj/F1 8.1

## Associate Members

*Biology:* Graham A.C. Bell, Lauren Chapman

*Chemistry:* David N. Harpp (*T*)

