



**McGill School of Environment (Graduate)  
Programs, Courses and University Regulations  
2014-2015**



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This publication provides guidance to prospects, applicants, students, faculty and staff.

- 1 . McGill University reserves the right to make changes to the information contained in this online publication - including correcting errors, altering fees, schedules of admission, and credit requirements, and revising or cancelling particular courses or programs - without prior notice.
- 2 . In the interpretation of academic regulations, the Senate is the final authority.
- 3 . Students are responsible for informing themselves of the University's procedures, policies and regulations, and the specific requirements associated with the degree, diploma, or certificate sought.
- 4 . All students registered at McGill University are considered to have agreed to act in accordance with the University procedures, policies and regulations.
- 5 . Although advice is readily available on request, the responsibility of selecting the appropriate courses for graduation must ultimately rest with the student.
- 6 . Not all courses are offered every year and changes can be made after publication. Always check the Minerva Class Schedule link at [https://horizon.mcgill.ca/pban1/bwckschd.p\\_disp\\_dyn\\_sched](https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched) for the most up-to-date information on whether a course is offered.
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**Note: Throughout this publication, "you" refers to students newly admitted, readmitted or returning to McGill.**

## *Publication Information*

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- 1 Dean's Welcome, page 7
- 2 Graduate and Postdoctoral Studies, page 7
  - 2.1 Administrative Officers, page 7
  - 2.2 Location, page 7
  - 2.3 General Statement Concerning Higher Degrees, page 8
- 3 Important Dates 2014–2015, page 8
- 4 Graduate Studies at a Glance, page 8
- 5 Program Requirements, page 8
  - 5.1 Master's Degrees, page 8
  - 5.2 Doctoral Degrees, page 9
  - 5.3 Ad Personam Programs (Thesis Option Only), page 10
  - 5.4 Coursework for Graduate Programs, Diplomas, and Certificates, page 10
- 6 Graduate Admissions and Application Procedures, page 10
- 7 Fellowships, Awards, and Assistantships, page 10
- 8 Postdoctoral Research, page 11
  - 8.1 Postdocs, page 11
  - 8.2 Guidelines and Policy for Academic Units on Postdoctoral Education, page 11
  - 8.3 Vacation Policy for Graduate Students and Postdocs, page 13
  - 8.4 Leave of Absence for Health and Parental/Familial Reasons, page 13
  - 8.5 Postdoctoral Research Trainees, page 13
- 9 Graduate Studies Guidelines and Policies, page 14
- 10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees, page 14
- 11 Academic Programs, page 14
  - 11.1 Environment, page 15
    - 11.1.1 Location, page 15
    - 11.1.2 About Environment, page 15
    - 11.1.3 Environment Admission Requirements and Application Procedures, page 17
      - 11.1.3.1 Admission Requirements, page 17
      - 11.1.3.2 Application Procedures, page 17
      - 11.1.3.3 Application Deadlines, page 17
    - 11.1.4 Environment Faculty, page 17



## 1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. Graduate and Postdoctoral Studies (GPS) collaborates with the Faculties and other administrative and academic units to provide strategic leadership and vision for graduate teaching, supervision, and research across our over 400 graduate programs. GPS also oversees quality assurance in admissions and registration, the disbursement of graduate fellowships, support for postdoctoral fellows, and facilitates graduate degree completion, including the examination of theses. GPS has partnered with Enrolment Services to manage the admission and registration of graduate students and postdoctoral fellows and to offer streamlined services in a one-stop location at [Service Point](#).

McGill is a student-centred research institution that places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the Faculties, central administration, graduate students, professors, researchers, and postdoctoral fellows to provide a supportive, stimulating, and enriching academic environment for all graduate students and postdoctoral fellows.

McGill is ranked as one of Canada's most intensive research universities and currently ranked 21<sup>st</sup> by *QS World University Rankings 2013*. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows—a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

*Martin Kreiswirth, Ph.D.*

*Associate Provost (Graduate Education)*

*Dean, Graduate and Postdoctoral Studies*

## 2 Graduate and Postdoctoral Studies

### 2.1 Administrative Officers

#### Administrative Officers

Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)

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



**Note:** For inquiries regarding specific graduate programs, please contact the appropriate department.

## 2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) oversees all programs leading to graduate diplomas, certificates, and higher degrees, with the exception of some programs in the School of Continuing Studies. It is responsible for admission policies, the supervision of graduate students' work, and for recommending to Senate those who may receive the degrees, diplomas, and certificates.

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## 3 Important Dates 2014–2015

For all dates relating to the academic year, consult [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

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## 4 Graduate Studies at a Glance

Please refer to the eCalendar's *University Regulations and Resources > Graduate > Graduate Studies at a Glance* for a list of all graduate departments and degrees currently being offered.

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## 5 Program Requirements

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### 5.1 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 (or 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 such additional terms as are 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 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 courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

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

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.

If courses were not used for a degree, they could be **credited** toward a McGill degree, keeping in mind that a maximum of one-third of the coursework (not thesis, project, stage, internship, and practicum) can be credited. If an **exemption** is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

#### Research and Thesis – Master's Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a *Nomination of Examiners* form, in accordance with the dates on [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates), through the Chair of the department concerned at the same time that the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at [www.mcgill.ca/gps/thesis/guidelines](http://www.mcgill.ca/gps/thesis/guidelines).

#### Language Requirements – Master's Degrees

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 examinations in at least one language while working for the master's degree.

## 5.2 Doctoral Degrees

### Residence Requirements – Doctoral

Refers to the numbers 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 (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years' residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor's degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see [section 8.3: Vacation Policy for Graduate Students and Postdocs](#)).

A student who has obtained a master's degree at McGill University or at an approved institution in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

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.



**Note:** The master's degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved, it will not be changed after obtaining the master's degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

### Comprehensive Examinations – Doctoral

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy papers, comprehensive evaluations, thesis proposals, etc. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details. For more information, see the [eCalendar](#) under *University Regulations and Resources > Graduate > Guidelines and Policies > : Ph.D. Comprehensives Policy*.

### Language Requirements – Doctoral

Many graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements, or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music, and Religious Studies usually require proficiency in one or two languages other than English. In all cases, **students should consult departmental regulations concerning language requirements**.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

**All** language requirements must be fulfilled and the grades reported **before** submission of the thesis to GPS (Thesis section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

French language courses are available at the French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

#### **Thesis – Doctoral**

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. **Formal notice of a thesis title and names of examiners must be submitted to the Thesis section of GPS on the *Nomination of Examiners* form in accordance with the dates on [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates), at the same time as the thesis is submitted.** The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at [www.mcgill.ca/gps/thesis/guidelines](http://www.mcgill.ca/gps/thesis/guidelines).

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

#### **Thesis Oral Examination – Doctoral**

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at [www.mcgill.ca/gps/thesis/guidelines](http://www.mcgill.ca/gps/thesis/guidelines).

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### **5.3 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. For more information, see [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs) and contact the relevant department.

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### **5.4 Coursework for Graduate Programs, Diplomas, and Certificates**

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500 level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at [www.mcgill.ca/gps/students/registration#courseereg](http://www.mcgill.ca/gps/students/registration#courseereg).

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of study must be approved by GPS before registration. Double counting is not permitted.

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## **6 Graduate Admissions and Application Procedures**

Please refer to the eCalendar's *University Regulations and Resources > Graduate > : 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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## **7 Fellowships, Awards, and Assistantships**

Please refer to the eCalendar's *University Regulations and Resources > Graduate > : Fellowships, Awards, and Assistantships* for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

## 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.

### 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.).

### 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*—on the web at [www.mcgill.ca/gps/postdocs/fellows/letter](http://www.mcgill.ca/gps/postdocs/fellows/letter)). 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 8.3: Vacation Policy for Graduate Students and Postdocs](#) and the *eCalendar* under *University Regulations and Resources > Graduate > Regulations > Categories of Students > : 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 in the *Handbook on Student Rights and Responsibilities* (“Green Book”), available at [www.mcgill.ca/secretariat/policies/students](http://www.mcgill.ca/secretariat/policies/students).
- 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.
- 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 in the *Handbook on Student Rights and Responsibilities* (“Green Book”), available at [www.mcgill.ca/secretariat/policies/students](http://www.mcgill.ca/secretariat/policies/students).
- 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 in the *Handbook on Student Rights and Responsibilities* 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*

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### 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*

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### 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 the [eCalendar](#) under *University Regulations and Resources > Graduate > : 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. 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 the [eCalendar](#) under *University Regulations and Resources > Graduate > : 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. GPS has prepared 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. The document is available at [www.mcgill.ca/gps/funding/students-postdocs/accepting-maintaining-awards#poli](http://www.mcgill.ca/gps/funding/students-postdocs/accepting-maintaining-awards#poli) under “Leave Policies - Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows.”

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### 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.

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## 9 Graduate Studies Guidelines and Policies

Refer to the [eCalendar](#) under *University Regulations and Resources > Graduate > : 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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## 10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to the [eCalendar](#) under *University Regulations and Resources > Graduate > : 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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## 11 Academic Programs

The programs and courses in the following sections have been approved for the 2014–2015 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.

## 11.1 Environment

### 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  
Fax: 514-398-7846

*Coordinator* – C. Zhu

Telephone: 514-398-2827

Fax: 514-398-1643

Email: [grad.mse@mcgill.ca](mailto:grad.mse@mcgill.ca)

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

Website: [www.mcgill.ca/mse/programs/envroption](http://www.mcgill.ca/mse/programs/envroption)

### 11.1.2 About Environment

Resolving environmental issues requires a dialogue between pure and applied sciences, the social sciences, and humanities. The degradation of the biological and biophysical environment has roots in the structure of human societies while solutions to environmental problems have an impact on human livelihoods.

A number of academic departments and institutes at McGill promote graduate-level research and training on environmental topics and have faculty members whose main research interest falls in this domain. As such, environmental research is widespread throughout the McGill community. The Environment option provides a vehicle whereby discipline-based graduate programs can easily and effectively incorporate collaborations from at least one other discipline into their research.

#### Goals of the Option

- To provide thesis or non-thesis students in existing graduate programs with an understanding of how knowledge is transferred into action with regard to the environment;
- To develop an appreciation of the role of scientific, political, socioeconomic, and ethical judgments in influencing that process;
- To provide a forum whereby graduate students in environment throughout the University bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking.

Students admitted into the Environment option will be supervised or co-supervised by an accredited McGill faculty member. Their Advisory Committee will include at least one individual from outside the home department. It is expected that the thesis, dissertation, or project, as well as the final seminar presentation, will contain an environmental component and will include a discussion of the applied implications of the research findings. Together with the courses common to the Environment option, specific course requirements for each program are given within the departmental listings cited below.

#### Program List

The Environment option is currently available with the following graduate programs:

##### Anthropology

M.A. – see the *eCalendar* under *Faculty of Arts > Graduate > Academic Programs > Anthropology > : Master of Arts (M.A.); Anthropology (Thesis) — Environment (48 credits)*

##### Atmospheric and Oceanic Sciences

M.Sc. – see the *eCalendar* under *Faculty of Science > Graduate > Academic Programs > Atmospheric and Oceanic Sciences > : Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) — Environment (45 credits)*

**Biology**

M.Sc. – see the [eCalendar](#) under *Faculty of Science > Graduate > Academic Programs > Biology > : Master of Science (M.Sc.); Biology (Thesis) — Environment (48 credits)*

Ph.D. – see the [eCalendar](#) under *Faculty of Science > Graduate > Academic Programs > Biology > : Doctor of Philosophy (Ph.D.); Biology — Environment*

**Bioresource Engineering**

M.Sc. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Bioresource Engineering > : Master of Science (M.Sc.); Bioresource Engineering (Thesis) — Environment (46 credits)*

M.Sc. (Applied) – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Bioresource Engineering > : Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) — Environmental Engineering (45 credits)*

Ph.D. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Bioresource Engineering > : Doctor of Philosophy (Ph.D.); Bioresource Engineering — Environment*

**Earth and Planetary Sciences**

M.Sc. – see the [eCalendar](#) under *Faculty of Science > Graduate > Academic Programs > Earth and Planetary Sciences > : Master of Science (M.Sc.); Earth and Planetary Sciences (Thesis) — Environment (48 credits)*

Ph.D. – see the [eCalendar](#) under *Faculty of Science > Graduate > Academic Programs > Earth and Planetary Sciences > : Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences — Environment*

**Entomology**

M.Sc. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Natural Resource Sciences > : Master of Science (M.Sc.); Entomology (Thesis) — Environment (46 credits)*

Ph.D. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Natural Resource Sciences > : Doctor of Philosophy (Ph.D.); Entomology — Environment*

**Epidemiology**

M.Sc. – see the [eCalendar](#) under *Faculty of Medicine > Graduate > Academic Programs > Epidemiology and Biostatistics > : Master of Science (M.Sc.); Public Health (Non-Thesis) — Environment (60 credits)*

**Geography**

M.A. – see the [eCalendar](#) under *Faculty of Arts > Graduate > Academic Programs > Geography > : Master of Arts (M.A.); Geography (Thesis) — Environment (45 credits)*

M.Sc. – see the [eCalendar](#) under *Faculty of Science > Graduate > Academic Programs > Geography > : Master of Science (M.Sc.); Geography (Thesis) — Environment (45 credits)*

Ph.D. – see the [eCalendar](#) under *Faculty of Arts > Graduate > Academic Programs > Geography > : Doctor of Philosophy (Ph.D.); Geography — Environment*

**Law**

LL.M. – see the [eCalendar](#) under *Faculty of Law > Graduate > Academic Programs > Law > : Master of Laws (LL.M.); Law (Thesis); Environment (45 credits)*

LL.M. (Non-Thesis) – see the [eCalendar](#) under *Faculty of Law > Graduate > Academic Programs > Law > : Master of Laws (LL.M.); Law (Non-Thesis); Environment (45 credits)*

**Management**

Ph.D. – see the [eCalendar](#) under *Desautels Faculty of Management > Graduate > : Doctor of Philosophy (Ph.D.); Management — Environment*

**Medicine, Experimental**

M.Sc. – see the [eCalendar](#) under *Faculty of Medicine > Graduate > Academic Programs > Medicine, Experimental > : Master of Science (M.Sc.); Experimental Medicine (Thesis) — Environment (45 credits)*

Ph.D. – see the [eCalendar](#) under *Faculty of Medicine > Graduate > Academic Programs > Medicine, Experimental > : Doctor of Philosophy (Ph.D.); Experimental Medicine — Environment*

**Microbiology**

M.Sc. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Natural Resource Sciences > : Master of Science (M.Sc.); Microbiology (Thesis) — Environment (46 credits)*



**Microbiology**

Ph.D. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Natural Resource Sciences > : Doctor of Philosophy (Ph.D.); Microbiology — Environment*

**Parasitology**

M.Sc. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Parasitology > : Master of Science (M.Sc.); Parasitology (Thesis) — Environment (46 credits)*

Ph.D. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Parasitology > : Doctor of Philosophy (Ph.D.); Parasitology — Environment*

**Philosophy**

Ph.D. – see the [eCalendar](#) under *Faculty of Arts > Graduate > Academic Programs > Philosophy > : Doctor of Philosophy (Ph.D.); Philosophy — Environment*

**Plant Science**

M.Sc. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Plant Science > : Master of Science (M.Sc.); Plant Science (Thesis) — Environment (48 credits)*

Ph.D. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Plant Science > : Doctor of Philosophy (Ph.D.); Plant Science — Environment*

**Renewable Resources**

M.Sc. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Natural Resource Sciences > : Master of Science (M.Sc.); Renewable Resources (Thesis) — Environment (46 credits)*

Ph.D. – see the [eCalendar](#) under *Faculty of Agricultural & Environmental Sciences > Graduate > Academic Programs > Natural Resource Sciences > : Doctor of Philosophy (Ph.D.); Renewable Resources — Environment*

**11.1.3 Environment Admission Requirements and Application Procedures****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/programs/envoption](http://www.mcgill.ca/mse/programs/envoption).

**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 : [Application Procedures](#) for detailed application procedures.

**11.1.3.2.1 Additional Requirements**

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

- option application form
- signed option supervisory form (a supervisor or co-supervisor must be MSE-affiliated. Please visit the following website for listing: [www.mcgill.ca/mse/programs/envoption#FACULTY](http://www.mcgill.ca/mse/programs/envoption#FACULTY)).

**11.1.3.3 Application Deadlines**

The application deadlines to the graduate Environment 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.

**11.1.4 Environment Faculty****Director**

S. De Blois; B.Sc.(Agr.)(McG.), M.Sc., Ph.D.(Montr.) (*Interim*)

**Professors**

P.G. Brown; B.A.(Haver.), M.A., Ph.D.(Col.) (*joint appt. with Geography and Natural Resource Sciences*)

**Professors**

C. Chapman; B.Sc., M.A., Ph.D.(Alta.) (*joint appt. with Anthropology*)

M. Scott; B.Sc.(New Br.), Ph.D.(McG.) (*joint appt. with Institute of Parasitology*)

**Associate Professors**

M. Badami; B.Tech., M.S.(IIT), M.E.Des.(Calg.), Ph.D.(Br. Col.) (*joint appt. with School of Urban Planning*)

E. Bennett; B.A.(Oberlin), M.Sc., Ph.D.(Wisc.) (*joint appt. with Natural Resource Sciences*)

J. Cardille; B.Sc.(Carn. Mell), M.Sc.(Georgia Tech.), Ph.D.(Wisc.) (*joint appt. with Natural Resource Sciences*)

J. Ellis; B.A.(Calg.), LL.B., B.C.L.(McG.), LL.M.(Br. Col.) (*joint appt. with Law*)

F. Fabry; B.Sc., M.Sc., Ph.D.(McG.) (*joint appt. with Atmospheric and Oceanic Sciences*)

I. Hirose; B.A., M.A.(Waseda), Ph.D.(St. And.) (*joint appt. with Philosophy*)

B. Leung; B.Sc.(Br. Col.), Ph.D.(Car.) (*joint appt. with Biology*)

G. Mikkelson; B.A.(Trinity), M.S., Ph.D.(Chic.) (*joint appt. with Philosophy*)

A. Ricciardi; B.Sc.(Agr.), M.Sc., Ph.D.(McG.) (*joint appt. with Redpath Museum*)

R. Sengupta; B.Sc.(Bom.), M.Sc.(IIT), Ph.D.(S. Illinois) (*joint appt. with Geography*)

R. Sieber; B.Sc.(Mich. St.), M.P.A.(W. Mich.), Ph.D.(Rutg.) (*joint appt. with Geography*)

I. Vaccaro; B.A.(Barcelona), D.E.A.(Paris), M.A., Ph.D.(Wash.) (*joint appt. with Anthropology*)

**Assistant Professors**

C. Barrington-Leigh; S.M.(MIT), Ph.D.(Stan.), Ph.D.(Br. Col.) (*joint appt. with Institute for Health and Social Policy*)

N. Kosoy; B.Sc.(Univ. Simon Bolivar), M.Sc.(Kent), M.Sc., Ph.D.(Univ. Autonoma de Barcelona) (*joint appt. with Natural Resource Sciences*)

K. Manaugh; B.A.(Naropa), M.U.P., Ph.D.(McG.) (*joint appt. with Geography*)

J. Rhemtulla; B.Sc.(McG.), M.Sc.(Alta.), Ph.D.(Wisc.-Madison) (*joint appt. with Geography*)

**Faculty Lecturers**

J. Freeman; B.A.(S. Fraser), M.A.(McG.), Ph.D.(Br. Col.)

G. McCourt; B.Sc., M.Sc.(Alta.), M.Sc.(McG.)

K. Roulet; B.Sc.(Trent), M.Sc.(Guelph)

**Associate Members**

*Anthropology:* A. Costopoulos, J. Galaty

*Architecture, School of:* N. Luka

*Atmospheric and Oceanic Sciences:* P. Ariya

*Biology:* L. Chapman, A. Gonzalez, I. Gregory-Eaves, M. Lechowicz, C. Potvin

*Bioresource Engineering:* J. Adamowski, G. Clark, M. Lefsrud, C. Madramootoo

*Chemical Engineering:* N. Tufenkji, V. Yargeau

*Chemistry:* C. Barrett

*Civil Engineering and Applied Mechanics:* S. Gaskin, M. Hatzopoulou, V.T.V. Nguyen, J. Nicell

*Earth and Planetary Sciences:* J. Paquette

*Economics:* R. Cairns, C. Green, T. Naylor

*Electrical and Computer Engineering:* G. Joos

*Epidemiology:* M. Goldberg

*Geography:* G. Chmura, O. Coomes, T. Meredith, T. Moore, W. Pollard, N. Ramankutty, N. Roulet

*History:* D. Studnicki-Gizbert

*Institute for Health and Social Policy:* J. Baumgartner

**Associate Members**

*Languages, Literatures, and Cultures:* S. Posthumus

*Law, Faculty of:* A. de Mestral, J. Glenn, R. Gold, R. Janda, H. Kong

*Management, Faculty of:* D. Etzion, S. Maguire, V. Verter

*Natural Resource Sciences:* C. Buddle, B. Cote, J. Fyles, W. Hendershot, G. Hickey, C. Solomon, I. Strachan, P. Thomassin, J. Whalen, T. Wheeler

*Parasitology, Institute of:* M. Scott

*Pathology:* B. Case

*Philosophy:* P. Buckley

*Plant Science:* C. Begg, P. Dutilleul, D. Smith, M. Waterway

*Political Science:* P. Oxhorn

*Redpath Museum:* D.M. Green

