



**McGill School of Environment (Graduate)
Programs, Courses and University Regulations
2016-2017**

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

1 . McGill University reserves the right to mak

Publication Information

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2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GRS) oversees all programs leading to graduate diplomas, certificates, and higher degrees, with the e

As a rule, no more than one-third of the formal course work (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 the degree, they could be credited toward the McGill degree, keeping in mind the one-third rule as described above. These would be entered as exemptions with credit at the time of admission.

If the courses completed elsewhere or at McGill prior to admission were used to complete the degree, exemptions may be granted without credit, i.e. the exempted course(s) must be replaced by other graduate course(s) at McGill. No double counting is allowed, except where the department offering the Master's degree permits it and the degree has an overall credit requirement greater than 45 credits. In other instances where exemptions with credit may be granted will be limited to the credit amount above the minimum of 45 credits for a McGill master's degree. The one-third rule as described above continues to apply.

Research and Thesis Master's Degrees

All candidates for a research degree must present a thesis based on their research. The total number of credits allotted to the thesis in a 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 Examiner and Thesis Submission form, available at www.mcgill.ca/gps/thesis/guidelines/initial-submission in accordance with the dates on www.mcgill.ca/importantdates through the Chair

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 undergraduate language courses at McGill (see departmental regulations).

Candidates are advised to discuss 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 available at the French Language Centre. The teaching is intensive and class sizes are small. While undergraduate students are given preference, graduate students who are certain to 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 and Thesis Submission form, available at www.mcgill.ca/gps/thesis/guidelines/initial-submission in accordance with the dates on 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

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 read 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 three 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

5.3 Ad Personam Programs (Thesis Option Only)

In very rare circumstances, an applicant who wishes to begin Master's (thesis option only) or Ph.D. studies of an interdisciplinary nature, requiring joint supervision by two departments, each of which is authorized by the Government of Quebec to offer 37.71 447.46 Tm (v87 447.46 Tm Si3m) (enrollment of new students)

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

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 FGS April 23, 1999

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 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 consecutive weeks. For 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 more 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 [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 obliged 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/students-postdocs/accepting-maintaining-funding under "Leave Policies: Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows"

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 Doctorate 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, is a recipient of an PRAIT for Postdoctoral Research.

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. 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.

9 Graduate Studies Guidelines and Policies

Refer to [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 Program Tasking
- . Ph.D. Comprehensive Policy
- . Graduate Studies Reread Policy
- . Failure Policy
- . Guideline on Hours of Work

10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [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

11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2016±2017 session as listed. The Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable throughout the year.

[Biology](#)

[Master of Science \(M.Sc.\); Biology \(Thesis\) Environment \(48 credits\)](#) ([Science](#) > Graduate> BrowseAcademic Units & Programs> Biology)

[Doctor of Philosophy \(Ph.D.\); Biology Environment](#) ([Science](#) > Graduate> BrowseAcademic Units & Programs> Biology)

[Bioresource Engineering](#)

[Master of Science \(M.Sc.\); Bioresource Engineering \(Thesis\) Environment \(46 credits\)](#) ([Agricultural & Environmental Sciences](#)> Graduate> BrowseAcademic Units & Programs> Bioresource Engineering)

[Master of Science Applied \(M.Sc.A.\); Bioresource Engineering \(Non-Thesis\) Environmental Engineering \(45 credits\)](#) ([Agricultural & Environmental Sciences](#) > Graduate> BrowseAcademic Units & Programs> Bioresource Engineering)

[Doctor of Philosophy \(Ph.D.\); Bioresource Engineering Environment](#) ([Agricultural & Environmental Sciences](#)> Graduate> BrowseAcademic Units & Programs> Bioresource Engineering)

[Earth and Planetary Sciences](#)

[Master of Science \(M.Sc.\); Earth and Planetary Sciences \(Thesis\) Environment \(48 credits\)](#) ([Science](#) > Graduate> BrowseAcademic Units & Programs> Earth and Planetary Sciences)

[Doctor of Philosophy \(Ph.D.\); Earth and Planetary Sciences Environment](#) ([Science](#) > Graduate> BrowseAcademic Units & Programs> Earth and Planetary Sciences)

Entomology (under: [Natural Resource Sciences](#))

[Master of Science \(M.Sc.\); Entomology \(Thesis\) Environment \(46 credits\)](#) ([Agricultural & Environmental Sciences](#)> Graduate> BrowseAcademic Units & Programs> Natural Resource Sciences)

[Doctor of Philosophy \(Ph.D.\); Entomology Environment](#) ([Agricultural & Environmental Sciences](#)> Graduate> BrowseAcademic Units & Programs> Natural Resource Sciences)

[Geography](#)

[Master of Arts \(M.A.\); Geography \(Thesis\) Environment \(45 credits\)](#) ([Science](#) > Graduate> BrowseAcademic Units & Programs> Geography)

[Master of Science \(M.Sc.\); Geography \(Thesis\) Environment \(45 credits\)](#) ([Science](#) > Graduate> BrowseAcademic Units & Programs> Geography)

[Doctor of Philosophy \(Ph.D.\); Geography Environment](#) ([Arts](#) > Graduate> BrowseAcademic Units & Programs> Geography)

[Law](#)

[Master of Laws \(LL.M.\); Law \(Thesis\); Environment \(45 credits\)](#) ([Law](#) > Graduate> BrowseAcademic Units & Programs> Law)

[Master of Laws \(LL.M.\); Law \(Non-Thesis\); Environment \(45 credits\)](#) ([Law](#) > Graduate> BrowseAcademic Units & Programs> Law)

Management (under: [Desautels Faculty of Management](#))

[Doctor of Philosophy \(Ph.D.\); Management Environment](#) ([Management](#) > Graduate> Joint Ph.D. in Management Admission Requirements and Application Procedures)

[Medicine, Experimental](#)

[Master of Science \(M.Sc.\); Experimental Medicine \(Thesis\) Environment \(45 credits\)](#) ([Medicine](#) > Graduate> BrowseAcademic Units & Programs > Medicine Experimental)

[Doctor of Philosophy \(Ph.D.\); Experimental Medicine Environment](#) ([Medicine](#) > Graduate> BrowseAcademic Units & Programs> Medicine Experimental)

Microbiology (under: [Natural Resource Sciences](#))

[Master of Science \(M.Sc.\); Microbiology \(Thesis\) Environment \(46 credits\)](#) ([Agricultural & Environmental Sciences](#)> Graduate> BrowseAcademic Units & Programs> Natural Resource Sciences)

[Doctor of Philosophy \(Ph.D.\); Microbiology Environment](#) ([Agricultural & Environmental Sciences](#)> Graduate> BrowseAcademic Units & Programs> Natural Resource Sciences)

[Parasitology](#)

[Master of Science \(M.Sc.\); Parasitology \(Thesis\) Environment \(46 credits\)](#) ([Agricultural & Environmental Sciences](#)> Graduate> BrowseAcademic Units & Programs> Parasitology)

[Doctor of Philosophy \(Ph.D.\); Parasitology Environment](#) ([Agricultural & Environmental Sciences](#)> Graduate> BrowseAcademic Units & Programs> Parasitology)

Associate Professors

Fr d ric Fabry; B.Sc., M.Sc., Ph.D.(McG.) joint appt. with Atmospheric and Oceanic Sciences
Iwao Hirose; B.A., M.A.(Veseda), Ph.D.(SAnd.) (joint appt. with Philosophy)
Brian Leung; B.Sc.(BrCol.), Ph.D.(Caj) (joint appt. with Biology)
Gregory Mikkelson; B.A.(Tinity), M.S., Ph.D.(Chic.) joint appt. with Philosophy
Anthony Ricciardi; B.Sc.(Agt), M.Sc., Ph.D.(McG.) joint appt. with Redpath Museum
Raja Sengupta; B.Sc.(Bom.), M.Sc.(IIT), Ph.D.(S. Illinois) joint appt. with Geography
Ren e Sieber; B.Sc.(Mich. St.), M.A.(W. Mich.), Ph.D.(Rutg.) joint appt. with Geography
Ismael Vaccaro; B.A.(Barcelona), D.E.A.(FRS), M.A., Ph.D.(Vash.) (joint appt. with Anthropology)

Assistant Professors

Christopher Barrington-Leigh; S.M.(MIT), Ph.D.(Stan.), Ph.D.(Col.) (joint appt. with Institute for Health and Social Policy)
Nicolas Kosy; B.Sc.(Univ. Simon Bolivar), M.Sc.(Kent), M.Sc., Ph.D.(Univ Autonoma de Barcelona) joint appt. with Natural Resource Sciences
Kevin Manaugh; B.A.(Naropa), M.U., Ph.D.(McG.) (joint appt. with Geography)

Faculty Lecturers

Julia Freeman; B.A.(S. Fraser), M.A.(McG.), Ph.D.(Col.)
George McCourt; B.Sc., M.Sc.(Alta.), M.Sc.(McG.)
Kathryn Roulet; B.Sc.(Kent), M.Sc.(Guelph)

Associate Members

Anthropology: Andre Costopoulos, John Galaty
Architecture, School of Nik Luka
Atmospheric and Oceanic Sciences: Prisa Ariya
Biology: Lauren Chapman, Andrew Gonzalez, Irene Gregory-Eaves, Martin Lechowicz, 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
Dietetics and Human Nutrition, School of Niladri Basu
Earth and Planetary Sciences: Jeanne Rquette
Economics: Chris Green, Tom Naylor
Electrical and Computer Engineering: Geza Joos
Epidemiology, Biostatistics, and Occupational Health: Jonathan Cheier

Associate Members

Political Science Philip Oxhorn

Redpath Museum David M. Green

Urban Planning School of Nik Luka

Adjunct Professors

Holly Dressel; B.A.(Ind.), M.A.(S. Fraser)

Nicholas Ogden; B.Sc.(Liv.), D.Phil.(Oxf.)

Katia Opalka; B.A., LL.B./B.C.L.(McG.)

