





This PDF excerpt of *Programs, Courses and University Regulations* is an archived snapshot of the web content on the date that appears in the footer of the PDF.

Archival copies are available at [www.mcgill.ca/study](http://www.mcgill.ca/study).

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

**1 .** McGill University reserves the right to mak

## *Publication Information*

Published by

### **Enrolment Services**

McGill University  
3415 McTavish Street  
Montreal, Quebec, H3A 0C8  
Canada

All contents copyright © 2013 by McGill University. All rights reserved, including the right to reproduce this publication, or portions thereof, in any form.

McGill University reserves the right to make changes to the information contained in this publication - including correcting errors, altering fees, schedules of admission and credit requirements, and revising or cancelling particular courses or programs - without prior notification.

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.

- 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 2013–2014, page 8
- 4 Graduate Studies at a Glance, page 8
  - 4.1 Graduate and Postdoctoral Degrees Offered by Faculty, page 8
  - 4.2 Master's Degrees Available at McGill, page 10
    - 4.2.1 Master's Degree Programs and Specializations, page 11
  - 4.3 Doctoral Degrees Available at McGill, page 15
    - 4.3.1 Doctoral Degree Programs and Specializations, page 16
  - 4.4 Postdoctoral Research, page 18
  - 4.5 Graduate Diplomas and Graduate Certificates, page 18
- 5 Program Requirements, page 19
  - 5.1 Master's Degrees, page 19
  - 5.2 Doctoral Degrees, page 20
  - 5.3 Ad Personam Programs (Thesis Option Only), page 21
  - 5.4 Coursework for Graduate Programs, Diplomas, and Certificates, page 21
- 6 Graduate Admissions and Application Procedures, page 21
  - 6.1 Application for Admission, page 21
  - 6.2 Admission Requirements (Minimum Requirements to be Considered for Admission), page 22
  - 6.3 Application Procedures, page 22
    - 6.3.1 Document Checklist Terms, page 22
  - 6.4 Admission Tests, page 23
  - 6.5 Competency in English, page 23
  - 6.6 Admission to a Qualifying Program, page 24
  - 6.7 Admission to a Second Degree Program, page 24
  - 6.8 Admission to Two Degree Programs, page 24
  - 6.9 Admission to an Ad Personam Joint Program, page 24
  - 6.10 Reinstatement and Admission of Former Students,

- 
- 10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees, page 29
  - 11 Academic Programs, page 29
    - 11.1 Dentistry, page 30
      - 11.1.1 Location, page 30
      - 11.1.2 About Dentistry, page 30
      - 11.1.3 Dentistry Admission Requirements and Application Procedures, page 30
        - 11.1.3.1 Admission Requirements, page 30
        - 11.1.3.2 Application Procedures, page 31
        - 11.1.3.3 Application Deadlines, page 31
      - 11.1.4 Dentistry Faculty, page 31
      - 11.1.5 Master of Science (M.Sc.); Dental Sciences (Thesis) (45 credits) , page 32
      - 11.1.6 Master of Science (M.Sc.); Dental Sciences (Thesis) — Oral and Maxillofacial Surgery (46 credits) , page 33
      - 11.1.7 Master of Science (M.Sc.); Dental Sciences (Non-Thesis) (45 credits) , page 33

---

## 1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. Our world-class scholarly community includes over 400 doctoral and master's degree programs, and is recognized for excellence across the full range of academic disciplines and professions. 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 the University. 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 graduation process, and 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 18<sup>th</sup> by *QS World University Rankings 2012*. 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.)

**Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)**

Heather Goad; B.A.(Br. Col.), Ph.D.(USC)

**Associate Dean (Graduate and Postdoctoral Studies)**

Jean-Jacques Lebrun; B.Sc.(France), M.Sc.(Rennes), Ph.D.(Paris)

**Associate Dean (Graduate and Postdoctoral Studies)**

Laura Nilson; B.A.(Colg)

**Associate Dean (Graduate and Postdoctoral Studies)**

---

## **2.3 General Statement Concerning Higher Degrees**

Graduate and Postdoctoral Studies (GPS) oversees all programs leading to graduate diplomas, certificates, and higher de



<b>Faculty of Arts</b>	<b>Degrees Available</b>
<i>: Linguistics</i>	M.A., Ph.D.
<i>: Mathematics and Statistics</i>	M.A., Ph.D.
<i>: Philosophy</i>	M.A., Ph.D.
<i>: Political Science</i>	M.A., Ph.D.
<i>: Psychology</i>	M.A., Ph.D.
<i>: Quebec Studies / Études sur le Québec</i>	N/A
<i>: Social Studies of Medicine</i>	N/A
<i>: Social Work</i>	M.S.W., Ph.D.
<i>: Sociology</i>	M.A., Ph.D.
<b>School of Dentistry</b>	<b>Degrees Available</b>
<i>section 11.1: Dentistry</i>	M.Sc.
<b>Desautels Faculty of Management</b>	<b>Degrees Available</b>
<i>: Desautels Faculty of Management</i>	M.B.A., M.B.A. with Integrated B.C.L./LL.B., M.D./M.B.A., M.B.A./Japan, E.M.B.A., M.M.M., M.M., Ph.D., Graduate Certificate, Diploma
	<b>Degrees</b>

Faculty of Medicine	Degrees Available
: <i>Medicine, Experimental</i>	M.Sc., Ph.D., Graduate Diploma
: <i>Medicine, Family (Option)</i>	N/A
: <i>Microbiology and Immunology</i>	M.Sc., Ph.D.
: <i>Neuroscience (Integrated Program in)</i>	M.Sc., Ph.D.
: <i>Occupational Health</i>	M.Sc.A., Ph.D.
: <i>Otolaryngology – Head and Neck Surgery</i>	M.Sc.
: <i>Pathology</i>	M.Sc., Ph.D.
: <i>Pharmacology and Therapeutics</i>	M.Sc., Ph.D.
: <i>Physiology</i>	<del>M.Sc., Ph.D.</del> M.Sc. 07B5D4016, ine
: <i>Psychiatry</i>	M.Sc.
: <i>Surgery</i>	M.Sc., Ph.D.

Degree		Prerequisites
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="#">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="#">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 Laws	LL.M.	An acceptable degree in Law or equivalent qualifications. See : <a href="#">Law Admission Requirements and Application Procedures</a> .
	M.L.I 40 0 1 480.463 563.2ites	At least a bachelor's degree from a recognized university. See : <a href="#">Information Studies Admission Requirements and Application Procedures</a> .

## Master of Arts (M.A.)

Art History	Thesis	N/A
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, Social Statistics (Non-Thesis)
Educational Psychology	Thesis	Health Professions Education, Human Development, Learning Sciences, School/Applied Psychology
Education and Society	Thesis, Non-Thesis	Gender and Women's Studies, Mathematics and Science Education (Thesis) Gender and Women's Studies, Jewish 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, Social Statistics (Thesis)
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 (Thesis)
Italian	Thesis, Non-Thesis	N/A
Jewish Studies	Thesis, Non-Thesis	N/A
Kinesiology and Physical Education	Thesis, Non-Thesis	N/A
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, Non-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)
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	Project(De)Tj N/A 1 330 330 330 3uis

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

Second Language Education

Thesis, Non-Thesis

Gender and Women's Studies (Thesis)

Dev

**Master of Sacred Theology (S.T.M.)**

A program leading to the degree of *Sanctae Theologiae Magister* (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

Religious Studies	Non-Thesis	N/A
-------------------	------------	-----

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

Agricultural Economics	Thesis	N/A
Animal Science	Thesis	N/A
Atmospheric and Oceanic Science	Thesis	Environment
Biochemistry	Thesis	Bioinformatics, Chemical Biology
Biology	Thesis	Bioinformatics, Environment, Neotropical Environment
Bioresource Engineering	Thesis, Non-Thesis	Environment, Neotropical Environment (Thesis) Integrated Water Resource Management (Non-Thesis)
Biostatistics	Thesis, Non-Thesis	N/A
Cell Biology	Thesis	N/A
Chemistry	Thesis	Chemical Biology
Civil Engineering	Thesis	N/A
Communication Sciences and Disorders	Thesis	N/A
Computer Science	Thesis, Non-Thesis	Bioinformatics, Computational Science and Engineering (Thesis)
Dental Science	Thesis, Non-Thesis	Oral and Maxillofacial Surgery (Thesis)
Earth and Planetary Sciences	Thesis	Environment
Entomology	Thesis	Environment, Neotropical Environment
Epidemiology	Thesis	N/A
Experimental Medicine	Thesis	Bioethics, Environment, Family Medicine
Experimental Surgery	Thesis	Surgical Research
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
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	Bioinformatics, Environment
Pathology	Thesis	N/A
Pharmacology	Thesis	Chemical Biology

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

Physics

Thesis

N/A

Physiology

Thesis

Bioinformatics

Bioinformatics, En

**Degree**

**Prerequisites**



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

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
		Faculty of Education

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

Physics	N/A	Faculty of Science
Physiology	Bioinformatics	Faculty of Medicine
Plant Science	Bioinformatics, Environment, Neotropical Environment	Faculty of Agricultural and Environmental Sciences
Political Science	Gender and Women's Studies	Faculty of Arts
Psychology	Language Acquisition, Psychosocial Oncology	Faculty of Arts, Faculty of Science
Rehabilitation Science	N/A	School of Physical and Occupational Therapy
Religious Studies	Gender and Women's Studies	Faculty of Religious Studies
Renewable Resources	Environment, Neotropical Environment	Faculty of Agricultural and Environmental Sciences
Russian	N/A	Faculty of Arts
School/Applied Child Psychology	N/A	Faculty of Education
Social Work	N/A	Faculty of Arts
Sociology	Environment, Gender and Women's Studies	Faculty of Arts

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

Nursing	N/A	McGill / Université de Montréal
Management	N/A	McGill / Concordia / H.E.C. / UQAM
Social Work	N/A	McGill / Université de Montréal

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

Dentistry	N/A	Faculty of Dentistry
East Asian Studies	N/A	Faculty of Arts
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
Urban Planning	N/A	Faculty of Engineering

**4.4 Postdoctoral Research**

See [section 8: Postdoctoral Research](#) for information about postdoctoral research at McGill University.

**4.5 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	Professional Performance
Library and Information Studies	Public Accountancy (Chartered Accountancy)
Mining Engineering	Registered Dietitian Credentialing (R.D.)
Neonatal Nurse Practitioner	School/Applied Child Psychology (Post-Ph.D.)
Primary Care Nurse Practitioner	

### Graduate Certificates

Assessing Driving Capabilities	Educational Leadership 1
Air and Space Law	Educational Leadership 2
Bioinformatics	Library and Information Studies
Bioresource Engineering (Integrated Water Resources Management)	Post-M.B.A.
Biotechnology	Teaching English as a Second Language
Chronic Pain Management	Theory in Primary Care
Comparative Law	Theory in Neonatology

All graduate regulations apply to graduate diploma and graduate certificate candidates.



**Note:** The School of Continuing Studies offers graduate diplomas and graduate certificates that are not under the academic supervision of Graduate and Postdoctoral Studies. To see a list of the programs offered, refer to the School of Continuing Studies eCalendar available at [www.mcgill.ca/study](http://www.mcgill.ca/study).

## 5 Program Requirements

### 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.L.I.S.; 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.); Library and Information Studies (M.L.I.S.); 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 *Programs, Courses and University Regulations* publication, available at [www.mcgill.ca/study](http://www.mcgill.ca/study).

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 as 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

Most 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

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. 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 approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see *Programs, Courses and University Regulations > University Regulations and Resources > Graduate > Guidelines and Policies > : Ph.D. Comprehensives Policy*.

### Language Requirements – Doctoral

Most 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.

Courses in French language 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).

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

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).

---

## 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/apply/prepare#program](http://www.mcgill.ca/gradapplicants/apply/prepare#program) and contact the relevant department.

---

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

Upper-lev

diplomas, letters of reference, and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A **non-refundable** fee of \$102.60 paid by credit card in Canadian funds **must** accompany the online application. The fee of \$102.60 covers up to two program choices per term. Candidates for Special, Visiting, and Qualifying status must also apply online and pay the application fee. Please note that application fees are subject to change.

It is recommended that applicants submit a list of the course titles in the major subject, since transcripts often give code numbers only. **Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator.** An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Applications and uploaded supporting documents must be submitted according to individual department specifications and deadlines; see [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). International students are advised to apply well in advance of the application deadlines as immigration procedures may be lengthy. Admission to graduate studies at McGill is highly competitive; accordingly, late and/or incomplete applications are considered only as time and space permits.

The admission decision is based on the recommendation of the graduate department, verification by the Graduate Admissions Unit in Enrolment Services, as well as final approval from Graduate and Postdoctoral Studies. In some cases, the Graduate Admissions Committee may also contribute to the final admission decision. Official letters of admission are sent to applicants electronically by Enrolment Services.

---

## 6.2 Admission Requirements (Minimum Requirements to be Considered for Admission)



**Note:** The following admission requirements denote the minimum standard for applicants. Some graduate departments may require additional qualifications or a higher minimum CGPA; applicants are strongly urged to consult the department concerned regarding specific requirements.

Applicants should be graduates of a recognized university and hold a recognized bachelor's degree or its equivalent, as determined by McGill, in a subject closely related to the one selected for graduate work.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See [www.mcgill.ca/gradapplicants/apply/prepare/international/equivalency](http://www.mcgill.ca/gradapplicants/apply/prepare/international/equivalency) for information on grade equivalencies and degree requirements from countries in Europe and around the world. These equivalencies and requirements are provided for information only and are subject to change without notice.

---

## 6.3 Application Procedures

### Application Checklist

All supporting application documents and required supplemental materials must be uploaded directly to the McGill admissions processing system. See [www.mcgill.ca/gradapplicants/apply/ready#docs](http://www.mcgill.ca/gradapplicants/apply/ready#docs) for information and instructions.

1. **Online Application for Admission form:** [www.mcgill.ca/gradapplicants/apply/ready](http://www.mcgill.ca/gradapplicants/apply/ready).
2. **Application fee:** \$102.60 non-refundable Canadian funds payable by credit card covers up to two program choices per term. Some programs may charge additional fees. If applicable, these will be automatically charged when you submit the application form. Please note that application fees are subject to change.
3. **Transcripts:** your complete record of study from each university-level institution you have attended to date. Uploaded copies are considered unofficial; final, official copies will be required of admitted applicants.
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 departments require more than two referees; please consult *Admission Requirements and Application Procedures* for each department at [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs).
5. **TOEFL/IELTS, GRE, GMAT results:** when registering for the test, please ensure that you request that results be sent directly to McGill University. McGill will then receive the results electronically, directly from the testing agency.

For detailed information regarding additional documents that may be required by certain departments, please consult *Admission Requirements and Application Procedures* for each department at [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs).

### 6.3.1 Document Checklist Terms

The following terms appear on the Document Checklist and are items or documents that you may be required to upload as part of your application for admission. Please ensure that your use of certain terms conforms to the following definitions:

**Audition:** a trial performance where a performer demonstrates their suitability or skill.

**Curriculum Vitae:** an overview of the applicant's experience and other qualifications, including employment, academic credentials, publications, contributions, and significant achievements.

**GMAT:** Graduate Management Aptitude Test (see [section 6.4: Admission Tests](#))

**GRE:** Graduate Records Examination (see [section 6.4: Admission Tests](#))

**Interview:** a conversation between the applicant and a McGill representative, using a structured, standardized approach to allow for comparison and analysis of responses from all applicants interviewed; in person, via telephone, *Skype*, etc.

**Personal Statement:** an essay in which the applicant describes their reasons for applying to graduate studies and indicating qualifications, qualities, or circumstances the applicant feels to be significant; usually provides information about educational and professional goals and discusses the applicant's interest in the desired field of study.

**Portfolio:** a collection of the applicant's best work to date, selected by them, and intended to show their mastery of a given style or variety of styles; different samples of their artistic work.

**Recording:** an unedited recording (audio or video) of the applicant performing at least two contrasting pieces; minimum 20 minutes.

**Research Proposal:** a detailed description of the proposed program of research, including proposed Thesis Supervisor(s); describes the research background, significance, methodology, and references; may include expected results; may include a detailed curriculum vitae.

**TOEFL:** Test of English as a Foreign Language (see [section 6.5: Competency in English](#))

**Writing Sample:** a recent sample of the applicant's written work, on any topic (not necessarily within the desired field of graduate study) and not necessarily previously submitted for evaluation or publication.

**Written Work:** a sample of the applicant's written work, drawn from essays, papers or other work previously submitted for academic evaluation or publication, and falling within the desired field of graduate study.

---

## 6.4 Admission Tests

### Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates' specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to [www.ets.org/gre](http://www.ets.org/gre) for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to ensure that official test results are sent to McGill directly by the testing service.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases, the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

### Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must ensure that official results are released to McGill by the Graduate Management Admission Council (GMAC). The test is a standardized assessment offered by the GMAC to help business schools assess candidates for admission. For further information, see [www.mba.com/the-gmat](http://www.mba.com/the-gmat).

---

## 6.5 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English **prior to admission**, regardless of citizenship status or country of origin.

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)

PBT (paper-based test)

CBT (computer-based test)\*

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

550

\* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.

oTo notSal2115.851 141.16atrc1 0 24.19auate de

**Competency in English**

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

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. Edexcel London Test of English – Level 5 – with an overall grade of at least "Pass."
7. McGill Certificate of Proficiency in English or McGill Certificate of Proficiency – English for Professional Communication: Certificate of Proficiency awarded.

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

*Revised – July 2008*

---

**6.6 Admission to a 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 for a master's. The undergraduate-level courses to be taken in a Qualifying program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, **but not as candidates for a degree**. Only one Qualifying year (i.e., two full-time terms) is permitted.

In all cases, after the completion of a Qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the application deadlines. Successful completion of the work in the Qualifying program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying program (Fall) to Master's Degree First Year (Winter), **students must apply to the degree program by the Winter departmental application deadlines**. A Qualifying year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying program may apply to the appropriate undergraduate faculty for admission as regular or Special Students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

---

**6.7 Admission to a Second Degree Program**

A candidate with a given higher degree may apply for admission to a second degree program at the same level but **in a different subject**. The normal admission requirements must be met and all the usual procedures followed.

---

**6.8 Admission to Two Degree Programs**

Students may, with special permission granted by the Graduate Admissions Committee (composed of the Dean and Associate Deans of Graduate and Postdoctoral Studies) and in consultation with the Graduate Admissions Unit of Enrolment Services, be admitted to two degree programs or to two departments or faculties. Students are **never** permitted to pursue two **full-time** degree programs concurrently.

---

**6.9 Admission to an Ad Personam Joint Program**

*Ad Personam* joint graduate programs are restricted to Master's thesis option and Ph.D. programs. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed. The student shall undertake research under the joint supervision of both departments.

This program is described in more detail at [www.mcgill.ca/gradapplicants/apply/prepare#program](http://www.mcgill.ca/gradapplicants/apply/prepare#program).





---

## **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**

- 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*

---

### **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*

---

### **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 *Programs, Courses and University Regulations > 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 procedure under *Programs, Courses and University Regulations > 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 re

- 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.

---

## 9 Graduate Studies Guidelines and Policies

Refer to *Programs, Courses and University Regulations > 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

---

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

Refer to *Programs, Courses and University Regulations > 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 Academic Programs

The programs and courses in the following sections have been approved for the 2013–2014 session as listed, but the Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable.



Candidates for this program must possess a D.D.S. or D.M.D. degree or its equi

## Professors

F. Cervero; M.B., Ch.B., Ph.D.(Madrid), D.Sc.(Edin.)

J.S. Feine; D.D.S., M.S.(T



DENT 650	(3)	Thesis Research 1
DENT 651	(6)	Thesis Research 2
DENT 652	(9)	Thesis Research 3
DENT 653	(15)	Thesis Research 4

**Required Courses (8 credits)**

DENT 563	(1)	Introduction to Research
DENT 671D1	(2)	Advanced Research Seminar
DENT 671D2	(2)	Advanced Research Seminar
EPIB 507	(3)	Biostatistics for Health Professionals

**Complementary Courses (13 credits)**

7-13 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 672	(3)	Applied Mixed Methods in Health Research
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 635ed health Research	(3)	Clinical Trials

DENT 670 (6) Dental Research Project

**Required Courses (17 credits)**

DENT 563 (1) Introduction to Research  
DENT 655 (3) Health Technology Assessment  
DENT 671 (4) Advanced Research Seminar  
EPIB 507 (3) Biostatistics for Health Professionals  
EPIB 600 (3) Clinical Epidemiology  
EXMD 610 (3) Molecular Methods in Medical Research

**Complementary Courses (22 credits)**

(minimum 22 credits)

22 credits from Stream 1 OR Stream 2:

**Stream 1: Basic Science Research Methods**

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 669 (3) Extracellular Matrix Biology  
DENT 673 (3) Biotechnology and Entrepreneurship  
PHGY 517 (3) Artificial Internal Organs  
PHGY 518 (3) Artificial Cells  
PHGY 550 (3) Molecular Physiology of Bone

**Stream 2: Clinical and Populational Research Methods**

DENT 672 (3) Applied Mixed Methods in Health Research  
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) Special Topics 4  
EPIB 677 (3) Special Topics 8  
EPIB 679 (3) Special Topics 10

Other complementary 500- or 600-level courses at the University may be taken with the approval of the supervisor or research director and GPS.