



**Graduate and Postdoctoral Studies Programs,  
Courses and University Regulations  
Programs, Courses and University Regulations  
2011-2012**



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 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://banweb.mcgill.ca/pban1/bwckschd.p\\_disp\\_dyn\\_sched](https://banweb.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched) for the most up-to-date information on whether a course is offered.
- 7 . The academic publication year begins at the start of the Fall semester and extends through to the end of the Winter semester of any given year. Students who begin study at any point within this period are governed by the regulations in the publication which came into effect at the start of the Fall semester.
- 8 . Notwithstanding any other provision of the publication, it is expressly understood by all students that McGill University accepts no responsibility to provide any course of instruction, program or class, residential or other services including the normal range of academic, residential and/or other services in circumstances of utility interruptions, fire, flood, strikes, work stoppages, labour disputes, war, insurrection, the operation of law or acts of God or any other cause (whether similar or dissimilar to those enumerated) which reasonably prevent their provision.

**Note: Throughout this publication, "you" refers to students newly admitted, readmitted or returning to McGill.**

*Publication Information*

Published by

**Enrolment Services**

McGill University  
3415 McTavish Street  
Montreal, Quebec, H3A 1Y1  
Canada

All contents copyright © 2011 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 re



- 
- 1 University Regulations and Resources, page 53
  - 2 Regulations, page 53
    - 2.1 Categories of Students, page 53
      - 2.1.1 Full-Time Students, page 53
      - 2.1.2 Half-Time Students (Thesis programs), page 53
      - 2.1.3 Part-Time Students, page 53
      - 2.1.4 Additional Session (Thesis Programs) and Non-Thesis Extension (Non-Thesis Programs) Students, page 53
      - 2.1.5 Thesis Evaluation Students, page 54
      - 2.1.6 Qualifying Students, page 54
      - 2.1.7 Special Students, page 54
      - 2.1.8 Visiting Students, page 54
      - 2.1.9 Graduate Research Trainee, page 54
      - 2.1.10 Non-Resident Status, page 55
      - 2.1.11 Leave of Absence Status, page 55
      - 2.1.12 Medical Residents, page 55
      - 2.1.13 McGill Staff as Graduate Students, page 56
      - 2.1.14 Quebec Inter-University Transfer Agreement: McGill Students, page 56
      - 2.1.15 Quebec Inter-University Transfer Agreement: Visiting IUT Students, page 56
    - 2.2 Registration, page 57
      - 2.2.1 Registration for Fall and Winter Terms (Including Additional Session and Non-Thesis Extension Students), page 57
      - 2.2.2 Fee Policies Related to Registration, page 57
      - 2.2.3 Summer Registration, page 57
      - 2.2.4 Courses Taken in the School of Continuing Studies, page 57
      - 2.2.5 Courses Taken as Extra to a Program, page 58
      - 2.2.6 Registration for Two Degree Programs Concurrently, page 58
      - 2.2.7 Time Limitation, page 58
      - 2.2.8 Withdrawal from a Degree Program, page 59
      - 2.2.9 Late Registration, page 59
    - 2.3 Course Information and Regulations, page 59
      - 2.3.1 Course Information and Regulations: Class Schedule, page 59
      - 2.3.2 Course Numbering, page 59
      - 2.3.3 Multi-term Courses, page 60
      - 2.3.4 Course Terminology, page 60
        - 2.3.4.1 Course Nomenclature in Program Descriptions, page 60
    - 2.4 Summer Studies, page 61
    - 2.5 Course Change Period, page 61
    - 2.6 Auditing of Courses, page 61
    - 2.7 Regulations Concerning Course Withdrawal, page 61
      - 2.7.1 Courses that begin in the Fall Term , page 61
      - 2.7.2 Courses that begin in the Winter Term, page 62

- 2.8 Regulations Concerning University Withdrawal, page 62
  - 2.8.1 Student's Responsibility, page 62
  - 2.8.2 Regulations Concerning University Withdrawal: Deadlines for University Withdrawal, page 63
    - 2.8.2.1 Fall Term:, page 63
    - 2.8.2.2 Winter Term:, page 63
  - 2.8.3 Regulations Concerning University Withdrawal: Consequences of University Withdrawal, page 63
- 2.9 Grading and Grade Point Averages (GPA), page 64
- 2.10 Grading and Grade Point Averages (GPA): Unexcused Absences, page 65
- 2.11 Verifi

- 
- 2.29 Legal Documents: What Are the Consequences of Not Providing Your Documents?, page 74
  - 2.30 Legal Documents: Where Do I Send my Documents?, page 75
    - 2.30.1 For the School of Continuing Studies , page 75
  - 2.31 Identification (ID) Cards, page 76
    - 2.31.1 ID Card Schedule for the Downtown Campus:, page 76
    - 2.31.2 ID Card Schedule for the Macdonald Campus:, page 76
  - 2.32 Name: Legal Name, page 77
  - 2.33 Name: Preferred First Name, page 77
  - 2.34 Name: Verification of Name, page 77
  - 2.35 Email Communication, page 77
  - 2.36 Updating Personal Information, page 78
  - 2.37 Authorization, Acknowledgement and Consent, page 78
  - 2.38 Proper Use of Computing Facilities, page 78
  - 2.39 Non-smoking Policy, page 78
  - 2.40 Health Professions - Immunization Requirement, page 79
  - 2.41 Health Insurance – International Students, page 79
  - 2.42 Health Insurance – Canadian Residents, page 79
  - 2.43 Special Medical Needs, page 80
  - 2.44 Minerva, page 80
  - 2.45 myMcGill, page 80
  - 2.46 Service Point, page 81
  - 3 Student Services and Information, page 81
    - 3.1 Student Rights and Responsibilities, page 81
      - 3.1.1 Support for Students: Office of the Dean of Students, page 82
      - 3.1.2 Office of the Executive Director, Services for Students, page 82
    - 3.2 Student Services – Downtown Campus, page 82
    - 3.3 Student Services – Macdonald Campus, page 84
    - 3.4 Residential Facilities, page 84
      - 3.4.1 Graduate Housing – Downtown, page 85
        - 3.4.1.1 Single-Occupancy Apartments, page 85
        - 3.4.1.2 Shared-Facilities Housing, page 85
      - 3.4.2 University Residences – Macdonald Campus, page 85
        - 3.4.2.1 Residence Fees – Macdonald Campus, page 85
        - 3.4.2.2 Residence Occupancy – Macdonald Campus, page 86
        - 3.4.2.3 Facilities for Non-Resident Students – Macdonald Campus, page 86
        - 3.4.2.4 Student Parking – Macdonald Campus, page 86
    - 3.5 Athletics & Recreation, page 86
      - 3.5.1 Downtown Campus, page 86
        - 3.5.1.1 Department of Athletics & Recreation, page 86
      - 3.5.2 Macdonald Campus, page 86


- 3.5.2.1 Athletics & Recreation, page 86
- 3.6 Ombudsperson for Students, page 87
- 3.7 Extra-Curricular Activities, page 87
- 3.8 Bookstore, page 87
- 3.9 Computer Store, page 87
- 3.10 Day Care, page 88
- 4 Fees, page 88
  - 4.1 Access to Fee Information, page 88
  - 4.2 Tuition Fees, page 88
    - 4.2.1 Quebec Students and Non-Quebec Students (Canadian or Permanent Resident), page 88
    - 4.2.2 International Students, page 89
    - 4.2.3 Tuition Assistance for McGill Staff, page 89
    - 4.2.4 Staff Dependent Waivers, page 89
  - 4.3 Documentation, page 89
  - 4.4 Compulsory Fees, page 89
    - 4.4.1 Student Services Fees, page 89
    - 4.4.2 Athletics and Recreation Fee, page 89
    - 4.4.3 Student Society Fees, page 90
  - 4.5 Administrative Charges, page 90
  - 4.6 Other Fees, page 90
  - 4.7 Bjl(e Char)Tj15gation Due Dat0 1 183.944 423.822 T4(Bjl(e Char 0 0 1 203.287 423.832 57(Bjl(e Char93 99.893 440.552 Tm389)73)Tj1 0 7 1 130.493 4



- 
- 4.17 Tuition and Fees – Payment Deferral, page 96
  - 4.18 External Scholarships, page 96
  - 4.19 Other Information: Payment Procedures, page 97
  - 4.20 Other Information: Tax Slips/Receipts, page 97
  - 4.21 Yearly Fees and Charges, page 97
  - 5 Resources for Study and Research: Libraries, page 97
  - 6 Resources for Study and Research: University Archives, page 98
  - 7 Resources for Study and Research: Redpath Museum, page 98
  - 8 Resources for Study and Research: McCord Museum of Canadian History, page 98
  - 9 Resources for Study and Research: Lyman Entomological Museum and Research Laboratory, page 99
  - 10 Resources for Study and Research: Other Historical Collections, page 99
  - 11 For your Information Technology (IT) needs, page 99
    - 11.1 Logging In, page 100
    - 11.2 myMcGill (the University portal), page 100
      - 11.2.1 Browser compatibility, page 100
    - 11.3 myCourses, page 100
    - 11.4 Email, page 100
    - 11.5 Online Student Directory, page 101
    - 11.6 Getting Connected, page 101
    - 11.7 Safe Computing, page 101
    - 11.8 Set up your security questions in myMcGill , page 101
    - 11.9 Need Help?, page 101
      - 11.9.1 Getting Help?, page 101
  - 12 The McGill Writing Centre, page 102
    - 12.1 Contact Information for the McGill Writing Centre, page 102
  - 13 The University, page 103
    - 13.1 History, page 103
    - 13.2 Incorporated and Affiliated Colleges, page 104
      - 13.2.1 Incorporated College, page 104
      - 13.2.2 Affiliated Theological Colleges, page 104
    - 13.3 University Government, page 105
    - 13.4 Recognition of Degrees, page 105
    - 13.5 Governance: Board of Governors, page 105
      - 13.5.1 The Visitor, page 105
      - 13.5.2 Board of Governors, page 105
        - 13.5.2.1 Members, page 105
        - 13.5.2.2 Student Representatives, page 106
    - 13.6 Governance: Members of Senate, page 106
      - 13.6.1 Ex-officio, page 106
      - 13.6.2 Elected Members, page 106

- 13.7 Administration, page 107
- 14 Agricultural and Environmental Sciences, page 108
  - 14.1 Dean's Welcome, page 108
  - 14.2 Graduate and Postdoctoral Studies, page 108
    - 14.2.1 Administrative Officers, page 108
    - 14.2.2 Location, page 108

- 
- 14.9.2 Policy on Graduate Student Research Progress Tracking, page 128
  - 14.9.3 Vacation Policy for Graduate Students and Postdocs, page 129
  - 14.9.4 Ph.D. Comprehensives Policy, page 129
  - 14.9.5 Graduate Studies Reread Policy, page 130
  - 14.9.6 Health and Parental/Familial Leave of Absence Policy, page 131
  - 14.9.7 Failure Policy, page 132
  - 14.9.8 Guideline on Hours of Work, page 132
  - 14.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees, page 132
    - 14.10.1 Policy on Research Ethics, page 132
    - 14.10.2 Regulations on Research Policy, page 132
    - 14.10.3 Policy on Research Integrity, page 132
    - 14.10.4 Guidelines for Research Involving Human Subjects, page 132
    - 14.10.5 Guidelines for Research with Animal Subjects, page 133
    - 14.10.6 Policy on Intellectual Property, page 133
    - 14.10.7 Regulations Governing Conflicts of Interest, page 133
    - 14.10.8 Safety in Field Work, page 133
    - 14.10.9 Office of Sponsored Research, page 133
    - 14.10.10 Postdocs, page 133
    - 14.10.11 Research Associates, page 133
  - 14.11 Academic Programs, page 133
    - 14.11.1 Agricultural Economics, page 133
      - 14.11.1.1 Location, page 133
      - 14.11.1.2 About Agricultural Economics, page 133
      - 14.11.1.3 Agricultural Economics Faculty, page 133
    - 14.11.2 Animal Science, page 134
      - 14.11.2.1 Location, page 134
      - 14.11.2.2 About Animal Science, page 134
      - 14.11.2.3 Animal Science Admission Requirements and Application Procedures, page 135
      - 14.11.2.4 Animal Science Faculty, page 136
      - 14.11.2.5 Master of Science (M.Sc.); Animal Science (Thesis) (45 credits) , page 137
      - 14.11.2.6 Master of Science, Applied (M.Sc.A.); Animal Science (Non-Thesis) (45 credits) , page 137
      - 14.11.2.7 Doctor of Philosophy (Ph.D.); Animal Science , page 138
      - 14.11.2.8 Doctor of Philosophy (Ph.D.); Animal Science — Bioinformatics , page 138
    - 14.11.3 Bioresource Engineering, page 139
      - 14.11.3.1 Location, page 139
      - 14.11.3.2 About Bioresource Engineering, page 139
      - 14.11.3.3 Bioresource Engineering Admission Requirements and Application Procedures, page 140
      - 14.11.3.4 Bioresource Engineering Faculty, page 141
      - 14.11.3.5 Master of Science (M.Sc.); Bioresource Engineering (Thesis) (46 credits) , page 142
      - 14.11.3.6 Master of Science (M.Sc.); Bioresource Engineering (Thesis) — Environment (46 credits) , page 143

14.11.3.7 Master of Science (M.Sc.); Bioresource Engineering (Thesis) 

- 14.11.6.6 Master of Science (M.Sc.); Entomology (Thesis) (45 credits) , page 164
- 14.11.6.7 Master of Science (M.Sc.); Entomology (Thesis) — Environment (46 credits) , page 164
- 14.11.6.8 Master of Science (M.Sc.); Entomology (Thesis) — Neotropical Environment (48 credits) , page 165
- 14.11.6.9 Master of Science (M.Sc.); Microbiology (Thesis) (45 credits) , page 165
- 14.11.6.10 Master of Science (M.Sc.); Microbiology (Thesis) — Environment (46 credits) , page 165
- 14.11.6.11 Master of Science (M.Sc.); Renewable Resources (Thesis) (45 credits) , page 166
- 14.11.6.12 Master of Science (M.Sc.); Renewable Resources (Thesis) — Environment (46 credits) , page 166
- 14.11.6.13 Master of Science (M.Sc.); Renewable Resources (Thesis) — Neotropical Environment (48 credits) , page 167
- 14.11.6.14 Master of Science (M.Sc.); Renewable Resources (Non-Thesis) — Environmental Assessment (45 credits) , page 167
- 14.11.6.15 Doctor of Philosophy (Ph.D.); Entomology , page 168
- 14.11.6.16 Doctor of Philosophy (Ph.D.); Microbiology , page 168
- 14.11.6.17 Doctor of Philosophy (Ph.D.); Renewable Resources , page 169
- 14.11.6.18 Doctor of Philosophy (Ph.D.); Entomology — Environment , page 169
- 14.11.6.19 Doctor of Philosophy (Ph.D.); Entomology — Neotropical Environment , page 169
- 14.11.6.20 Doctor of Philosophy (Ph.D.); Microbiology — Bioinformatics , page 170
- 14.11.6.21 Doctor of Philosophy (Ph.D.); Microbiology — (169)Tj1 0 0 1r.105 574.232 Tm(y (Ph.D.( page )Tj1 0 0 1 387.32 ,

- 
- 14.11.8.7 Master of Science (M.Sc.); Plant Science (Thesis) — Environment (48 credits) , page 184
  - 14.11.8.8 Master of Science (M.Sc.); Plant Science (Thesis) — Neotropical Environment (48 credits) , page 185
  - 14.11.8.9 Master of Science, Applied (M.Sc.A.); Plant Science (Non-Thesis) (45 credits) , page 185
  - 14.11.8.10 Doctor of Philosophy (Ph.D.); Plant Science , page 185
  - 14.11.8.11 Doctor of Philosophy (Ph.D.); Plant Science — Bioinformatics , page 186
  - 14.11.8.12 Doctor of Philosophy (Ph.D.); Plant Science — Environment , page 186
  - 14.11.8.13 Doctor of Philosophy (Ph.D.); Plant Science — Neotropical Environment , page 187
  - 14.11.8.14 Graduate Certificate in Bioinformatics (15 credits) , page 187
- 15 Faculty of Arts, page 188
- 15.1 Dean's Welcome, page 188
  - 15.2 Graduate and Postdoctoral Studies, page 188
    - 15.2.1 Administrative Officers, page 188
    - 15.2.2 Location, page 189
    - 15.2.3 General Statement Concerning Higher Degrees, page 189
  - 15.3 Important Dates 2011-2012, page 189
  - 15.4 Graduate Studies at a Glance, page 189
    - 15.4.1 Graduate Diplomas and Certificates, page 191
    - 15.4.2 Master's Degrees, page 192
    - 15.4.3 Doctoral Degrees, page 196
    - 15.4.4 Postdoctoral Research, page 198
  - 15.5 Program Requirements, page 198
    - 15.5.1 Master's Degrees, page 198
    - 15.5.2 Doctoral Degrees, page 199
    - 15.5.3 Ad Hoc Programs, page 200
    - 15.5.4 Ad Personam Programs (Thesis Option only), page 200
    - 15.5.5 Coursework for Graduate Programs, Diplomas, and Certificates, page 200
  - 15.6 General Admission for Graduate Studies, page 200
    - 15.6.1 Application for Admission, page 200
    - 15.6.2 Admission Requirements (minimum requirements to be considered for admission), page 201
    - 15.6.3 Admission Tests, page 201
    - 15.6.4 Competency in English, page 201
    - 15.6.5 Admission to a Qualifying Program, page 202
    - 15.6.6 Admission to a Second Degree Program, page 202
    - 15.6.7 Admission to Two Degree Programs, page 202
    - 15.6.8 Admission to an Ad Personam Joint Program, page 202
    - 15.6.9 Admission to an Ad Hoc Program (Thesis), page 202
    - 15.6.10 Reinstatement and Admission of Former Students, page 203
    - 15.6.11 Deferral of Admission, page 203
  - 15.7 Fellowships, Awards, and Assistantships, page 203
  - 15.8 Postdoctoral Research, page 204

- 
- 15.8.1 Postdocs, page 204
  - 15.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education, page 204
  - 15.8.3 Vacation Policy for Graduate Students and Postdocs, page 206
  - 15.8.4 Leave of Absence for Health and Parental/Familial Reasons, page 206
  - 15.8.5 Postdoctoral Research Trainees, page 206
  - 15.9 Graduate Studies Guidelines and Policies, page 207
    - 15.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision, page 207
    - 15.9.2 Policy on Graduate Student Research Progress Tracking, page 208
    - 15.9.3 Vacation Policy for Graduate Students and Postdocs, page 209
    - 15.9.4 Ph.D. Comprehensives Policy, page 209
    - 15.9.5 Graduate Studies Reread Policy, page 211
    - 15.9.6 Health and Parental/Familial Leave of Absence Policy, page 212
    - 15.9.7 Failure Policy, page 212
    - 15.9.8 Guideline on Hours of Work, page 212
  - 15.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees, page 212
    - 15.10.1 Policy on Research Ethics, page 212
    - 15.10.2 Regulations on Research Policy, page 213
    - 15.10.3 Policy on Research Integrity, page 213
    - 15.10.4 Guidelines for Research Involving Human Subjects, page 213
    - 15.10.5 Guidelines for Research with Animal Subjects, page 213
    - 15.10.6 Policy on Intellectual Property, page 213
    - 15.10.7 Regulations Governing Conflicts of Interest, page 213
    - 15.10.8 Safety in Field Work, page 213
    - 15.10.9 Office of Sponsored Research, page 213
    - 15.10.10 Postdocs, page 213
    - 15.10.11 Research Associates, page 213
  - 15.11 Academic Programs, page 213
    - 15.11.1 Anthropology, page 213
      - 15.11.1.1 Location, page 213
      - 15.11.1.2 About Anthropology, page 214
      - 15.11.1.3 Anthropology Admission Requirements and Application Procedures, page 215
      - 15.11.1.4 Anthropology Faculty, page 215
      - 15.11.1.5 Master of Arts (M.A.); Anthropology (Thesis) (48 credits) , page 216
      - 15.11.1.6 Master of Arts (M.A.); Anthropology (Thesis) — Development Studies (48 credits) , page 216
      - 15.11.1.7 Master of Arts (M.A.); Anthropology (Thesis) - Environment (48 credits) , page 217
      - 15.11.1.8 Master of Arts (M.A.); Anthropology (Thesis) — Gender and Women's Studies (48 credits) , page 218
      - 15.11.1.9 Master of Arts (M.A.); Anthropology (Non-Thesis) (45 credits) , page 218
      - 15.11.1.10 Master of Arts (M.A.); Medical Anthropology (Thesis) (48 credits) , page 219
      - 15.11.1.11 Doctor of Philosophy (Ph.D.); Anthropology , page 219
      - 15.11.1.12 Doctor of Philosophy (Ph.D.); Anthropology — Neotropical Environment , page 219

- 15.11.2 Art History, page 220
  - 15.11.2.1 Location, page 220
  - 15.11.2.2 About Art History, page 221
  - 15.11.2.3 Art History Admission Requirements and Application Procedures, page 222
  - 15.11.2.4 Art History and Communication Studies Faculty, page 223
  - 15.11.2.5 Master of Arts (M.A.); Art History (Non-Thesis) (45 credits) , page 223
  - 15.11.2.6 Master of Arts (M.A.); Art History (Non-Thesis) — Gender and Women's Studies (45 credits) , page 224
  - 15.11.2.7 Doctor of Philosophy (Ph.D.); Art History , page 225
  - 15.11.2.8 Doctor of Philosophy (Ph.D.); Art History — Gender and Women's Studies , page 226
- 15.11.3 Classics, page 226
- 15.11.4 Communication Studies, page 226
  - 15.11.4.1 Location, page 226
  - 15.11.4.2 About Communication Studies,



- 15.11.7.2 About English, page 240
- 15.11.7.3 English Admission Requirements and Application Procedures, page 241
- 15.11.7.4 English Faculty, page 241
- 15.11.7.5 Master of Arts (M.A.); English (Thesis) (48 credits) , page 242
- 15.11.7.6 Master of Arts (M.A.); English (Non-Thesis) (48 credits) , page 243
- 15.11.7.7 Doctor of Philosophy (Ph.D.); English , page 243
- 15.11.8 French Language and Literature, page 243
  - 15.11.8.1 Coordonnées, page 243
  - 15.11.8.2 Generalités : Langue et littérature françaises, page 244
  - 15.11.8.3 French Language and Literature Admission Requirements and Application Procedures, page 245
  - 15.11.8.4 French Language and Literature Faculty, page 246
  - 15.11.8.5 Master of Arts (M.A.); Langue et littérature françaises (avec mémoire) (48 crédits) , page 247
  - 15.11.8.6 Master of Arts (M.A.); Langue et littérature françaises (avec mémoire) — études sur les femmes et le genre (48 credits) , page 247
  - 15.11.8.7 Master of Arts (M.A.); Langue et littérature françaises (sans mémoire) (48 crédits) , page 247
  - 15.11.8.8 Doctor of Philosophy (Ph.D.); Langue et littérature françaises , page 248
  - 15.11.8.9 ~~M.A.)~~ ~~CEP~~ ~~375.6901~~ ~~249~~ ~~99~~ Master of Arts (M.A.); Langue et littérature françaises — études sur les femmes et le genre , page 248
- 15.11.9 Geography, page 249
  - 15.11.9.1 Location, page 249
  - 15.11.9.2 About Geography, page 249
  - 15.11.9.3 Geography Admission Requirements and Application Procedures, page 251
  - 15.11.9.4 Geography Faculty, page 252
  - 15.11.9.5 Master of Arts (M.A.); Geography (Thesis) (45 credits) , page 253
  - 15.11.9.6 Master of Arts (M.A.); Geography (Thesis) — Environment (45 credits) , page 253
  - 15.11.9.7 Master of Arts (M.A.); Geography (Thesis) — Neotropical Environment (45 credits) , page 254
  - 15.11.9.8 Master of Arts (M.A.); Geography (Thesis) — Development STm 0 0 1 331.32ege

- 15.11.10.7 Doctor of Philosophy (Ph.D.); German , page 260
- 15.11.11 Hispanic Studies, page 260
  - 15.11.11.1 Location, page 260
  - 15.11.11.2 About Hispanic Studies, page 260
  - 15.11.11.3 Hispanic Studies Admission Requirements and Application Procedures, page 261
  - 15.11.11.4 Hispanic Studies Faculty, page 262
  - 15.11.11.5 Master of Arts (M.A.); Hispanic Studies (Thesis) (48 credits) , page 262
  - 15.11.11.6 Master of Arts (M.A.); Hispanic Studies (Non-Thesis) (48 credits) , page 262
  - 15.11.11.7 Doctor of Philosophy (Ph.D.); Hispanic Studies , page 263
- 15.11.12 History and Classical Studies, page 263
  - 15.11.12.1 Location, page 263
  - 15.11.12.2 About History and Classical Studies, page 263
  - 15.11.12.3 History and Classical Studies Admission Requirements and Application Procedures,

- 15.11.15 Italian Studies, page 278
    - 15.11.15.1 Location, page 278
    - 15.11.15.2 About Italian Studies, page 278
    - 15.11.15.3 Italian Studies Admission Requirements and Application Procedures, page 278
    - 15.11.15.4 Italian Studies Faculty, page 279
    - 15.11.15.5 Master of Arts (M.A.); Italian (Thesis) (45 credits) , page 279
    - 15.11.15.6 Master of Arts (M.A.); Italian (Non-Thesis) (45 credits) , page 279
  - 15.11.16 Jewish Studies, page 280
    - 15.11.16.1 Location, page 280
    - 15.11.16.2 About Jewish Studies, page 280
    - 15.11.16.3 Jewish Studies Admission Requirements and Application Procedures, page 281
    - 15.11.16.4 Jewish Studies Faculty, page 281
    - 15.11.16.5 Master of Arts (M.A.); Jewish Studies (Thesis) (45 credits) , page 282
    - 15.11.16.6 Master of Arts (M.A.); Jewish Studies (Non-Thesis) (45 credits) , page 283
  - 15.11.17 Linguistics, page 284
    - 15.11.17.1 Location, page 284
    - 15.11.17.2 About Linguistics, page 284
    - 15.11.17.3 Linguistics Admission Requirements and Application Procedures, page 285
    - 15.11.17.4 Linguistics Faculty, page 285
    - 15.11.17.5 Master of Arts (M.A.); Linguistics (Non-Thesis) (45 credits) , page 286
    - 15.11.17.6 Doctor of Philosophy (Ph.D.); Linguistics , page 286
    - 15.11.17.7 Doctor of Philosophy (Ph.D.); Linguistics — Language Acquisition , page 287
  - 15.11.18 Mathematics and Statistics, page 289
    - 15.11.18.1 Location, page 289
    - 15.11.18.2 About Mathematics and Statistics, page 289
    - 15.11.18.3 Mathematics and Statistics Admission Requirements and Application Procedures, page 290
    - 15.11.18.4 Mathematics and Statistics Faculty, page 291
    - 15.11.18.5 Master of Arts (M.A.); Mathematics and Statistics (Thesis) (45 credits) , page 293
    - 15.11.18.6 Master of Arts (M.A.); Mathematics and Statistics (Non-Thesis) (45 credits) , page 293
    - 15.11.18.7 Doctor of Philosophy (Ph.D.); Mathematics and Statistics , page 293
    - 15.11.18.8 Doctor of Philosophy (Ph.D.); Mathematics and Statistics — Bioinformatics , page 293
  - 15.11.19 Philosophy, page 294
    - 15.11.19.1 Location, page 294
    - 15.11.19.2 About Philosophy, page 294
    - 15.11.19.3 Philosophy Admission Requirements and Application Procedures, page 295
    - 15.11.19.4 Philosophy Faculty, page 296
    - 15.11.19.5 Master of Arts (M.A.); Philosophy (Thesis) — Bioethics (45 credits) , page 297
    - 15.11.19.6 Doctor of Philosophy (Ph.D.); Philosophy , page 297
    - 15.11.19.7 Doctor of Philosophy (Ph.D.); Philosophy — Environment , page 299
    - 15.11.19.8 Doctor of Philosophy (Ph.D.); Philosophy — Gender and Women's Studies , page 300
-



- 15.11.25 Social Work, page 324
  - 15.11.25.1 Location, page 324
  - 15.11.25.2 About Social Work, page 324
  - 15.11.25.3 Social Work Admission Requirements and Application Procedures, page 325
  - 15.11.25.4 Social Work Faculty, page 326
  - 15.11.25.5 Master of Social Work (M.S.W.); Social Work (Thesis) (45 credits) , page 327
  - 15.11.25.6 Master of Social Work (M.S.W.); Social Work (Non-Thesis) (45 credits) , page 328
  - 15.11.25.7 Joint Master of Social Work (M.S.W.) with B.C.L. and LL.B. (132 credits) , page 328
  - 15.11.25.8 Doctor of Philosophy (Ph.D); Social Work , page 330
- 15.11.26 Sociology, page 331
  - 15.11.26.1 Location, page 331
  - 15.11.26.2 About Sociology, page 331
  - 15.11.26.3 Sociology Admission Requirements and Application Procedures, page 333
  - 15.11.26.4 Sociology Faculty, page 334
  - 15.11.26.5 Master of Arts (M.A.); Sociology (Thesis) (48 credits) , page 335

- 16.5 Program Requirements, page 354
  - 16.5.1 Master's Degrees, page 354
  - 16.5.2 Doctoral Degrees, page 355
  - 16.5.3 Ad Hoc Programs, page 356
  - 16.5.4 Ad Personam Programs (Thesis Option only), page 356
  - 16.5.5 Coursework for Graduate Programs, Diplomas, and Certificates, page 356
- 16.6 General Admission for Graduate Studies, page 357
  - 16.6.1 Application for Admission, page 357
  - 16.6.2 Admission Requirements (minimum requirements to be considered for admission), page 357
  - 16.6.3 Admission Tests, page 357
  - 16.6.4 Competency in English, page 358
  - 16.6.5 Admission to a Qualifying Program, page 358
  - 16.6.6 Admission to a Second Degree Program, page 358
  - 16.6.7 Admission to Two Degree Programs, page 359
  - 16.6.8 Admission to an Ad Personam Joint Program, page 359
  - 16.6.9 Admission to an Ad Hoc Program (Thesis), page 359
  - 16.6.10 Reinstatement and Admission of Former Students, page 359
  - 16.6.11 Deferral of Admission, page 359
- 16.7 Fellowships, Awards, and Assistantships, page 359
- 16.8 Postdoctoral Research, page 360
  - 16.8.1 Postdocs, page 360
  - 16.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education, page 360
  - 16.8.3 Vacation Policy for Graduate Students and Postdocs, page 362
  - 16.8.4 Leave of Absence for Health and Parental/Familial Reasons, page 362
  - 16.8.5 Postdoctoral Research Trainees, page 362
- 16.9 Graduate Studies Guidelines and Policies, page 363
  - 16.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision, page 363
  - 16.9.2 Policy on Graduate Student Research Progress Tracking, page 364
  - 16.9.3 Vacation Policy for Graduate Students and Postdocs, page 365
  - 16.9.4 Ph.D. Comprehensives Policy, page 365
  - 16.9.5 Graduate Studies Reread Policy, page 367
  - 16.9.6 Health and Parental/Familial Leave of Absence Policy, page 368
  - 16.9.7 Failure Policy, page 2 Tm(ailure Polic)Tj10 0 1 252.142 23so6189.923.322 Tm(16.91 3323.582 Tm(Posad.893 2e2 of )Tj1 0 0 1 20.7916.91 3323.5

16.10.6 Policy on Intellectual Property, page 369

16.10.7 Regulations Gov

17.6.6 Admission to a Second Degree Program, page 389

17.6.7 Admission to Two Degree Programs, page 389389



- 17.12.3 M.B.A. International Exchange Program, page 403
- 17.12.4 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Finance (51 credits) , page 404
- 17.12.5 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Global Strategy and Leadership (51 credits) , page 405
- 17.12.6 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Marketing (51 credits) , page 406
- 17.12.7 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Technology and Innovation Management (51 credits) , page 407
- 17.12.8 Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) Admission Requirements and Application Procedures, page 408
  - 17.12.8.1 Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) (138 credits) , page 408
- 17.12.9 M.D./M.B.A. Program Admission Requirements and Application Procedures, page 411
  - 17.12.9.1 M.D./M.B.A.; Management (Non-Thesis) (45 credits) , page 411
- 17.12.10 M.B.A./Japan Admission Requirements and Application Procedures, page 412
  - 17.12.10.1 Master of Business Administration (M.B.A.); M.B.A./Japan (Non-Thesis) (51 credits) , page 412
- 17.12.11 Joint Executive M.B.A. Admission Requirements and Application Procedures, page 412
  - 17.12.11.1 Executive Master of Business Administration (E.M.B.A.); Joint Executive M.B.A. (Non-Thesis) (45 credits) , page 412
- 17.13 Master of Management Programs Admission Requirements and Application Procedures, page 413
  - 17.13.1

- 
- 18.4.4 Postdoctoral Research, page 434
  - 18.5 Program Requirements, page 434
    - 18.5.1 Master's Degrees, page 434
    - 18.5.2 Doctoral Degrees, page 435
    - 18.5.3 Ad Hoc Programs, page 436
    - 18.5.4 Ad Personam Programs (Thesis Option only), page 436
    - 18.5.5 Coursework for Graduate Programs, Diplomas, and Certificates, page 436
  - 18.6 General Admission for Graduate Studies, page 436
    - 18.6.1 Application for Admission, page 436
    - 18.6.2 Admission Requirements (minimum requirements to be considered for admission), page 437
    - 18.6.3 Admission Tests, page 437
    - 18.6.4 Competency in English, page 437
    - 18.6.5 Admission to a Qualifying Program, page 438
    - 18.6.6 Admission to a Second Degree Program, page 438
    - 18.6.7 Admission to Two Degree Programs, page 438
    - 18.6.8 Admission to an Ad Personam Joint Program, page 438
    - 18.6.9 Admission to an Ad Hoc Program (Thesis), page 438
    - 18.6.10 Reinstatement and Admission of Former Students, page 439
    - 18.6.11 Deferral of Admission, page 439
  - 18.7 Fellowships, Awards, and Assistantships, page 439
  - 18.8 Postdoctoral Research, page 440
    - 18.8.1 Postdocs, page 440
    - 18.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education, page 440
    - 18.8.3 Vacation Policy for Graduate Students and Postdocs, page 442
    - 18.8.4 Leave of Absence for Health and Parental/Familial Reasons, page 442
    - 18.8.5 Postdoctoral Research Trainees, page 442
  - 18.9 Graduate Studies Guidelines and Policies, page 443
    - 18.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision, page 443
    - 18.9.2 Policy on Graduate Student Research Progress Tracking, page 444
    - 18.9.3 Vacation Policy for Graduate Students and Postdocs, page 445
    - 18.9.4 Ph.D. Comprehensives Policy, page 445
    - 18.9.5 Graduate Studies Reread Policy, page 447
    - 18.9.6 Health and Parental/Familial Leave of Absence Policy, page 448
    - 18.9.7 Failure Policy, page 448
    - 18.9.8 Guideline on Hours of Work, page 448
  - 18.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees, page 448
    - 18.10.1 Policy on Research Ethics, page 448
    - 18.10.2 Regulations on Research Policy, page 449
    - 18.10.3 Policy on Research Integrity, page 449
    - 18.10.4 Guidelines for Research Involving Human Subjects, page 449

- 
- 18.10.5 Guidelines for Research with Animal Subjects, page 449
  - 18.10.6 Policy on Intellectual Property, page 449
  - 18.10.7 Regulations Governing Conflicts of Interest, page 449
  - 18.10.8 Safety in Field Work, page 449
  - 18.10.9 Office of Sponsored Research, page 449
  - 18.10.10 Postdocs, page 449
  - 18.10.11 Research Associates, page 449
  - 18.11 Academic Programs, page 449
    - 18.11.1 Educational and Counselling Psychology, page 449
      - 18.11.1.1 Location, page 449
      - 18.11.1.2 About Educational and Counselling Psychology, page 450
      - 18.11.1.3 Educational and Counselling Psychology Admission Requirements and Application Procedures, page 454
      - 18.11.1.4 Educational and Counselling Psychology Faculty, page 457
      - 18.11.1.5 Master of Arts (M.A.); Counselling Psychology (Non-Thesis) — Professional/Internship (60 credits) , page 459
      - 18.11.1.6 Master of Arts (M.A.); Counselling Psychology (Non-Thesis) — Project (45 credits) , page 460
      - 18.11.1.7 Doctor of Philosophy (Ph.D.); Counselling Psychology , page 460
      - 18.11.1.8 Doctor of Philosophy (Ph.D.); School of Applied Child Psychology , page 461
      - 18.11.1.9 Post-Ph.D. Graduate Diploma in School/Applied Child Psychology , page 461
      - 18.11.1.10 Master of Education (M.Ed.); Educational Psychology (Non-Thesis) (48 credits) , page 462
      - 18.11.1.11 Master of Arts (M.A.); Educational Psychology (Thesis) (48 credits) , page 464
      - 18.11.1.12 Doctor of Philosophy (Ph.D.); Educational Psychology , page 466
    - 18.11.2 Information Studies, page 467
      - 18.11.2.1 Location, page 467
      - 18.11.2.2 About Information Studies, page 468
      - 18.11.2.3 Information Studies Admission Requirements and Application Procedures, page 468
      - 18.11.2.4 Information Studies Faculty, page 470
      - 18.11.2.5 Master of Library and Information Studies (M.L.I.S.); Information Studies (Non-Thesis) (48 credits) , page 471
      - 18.11.2.6 Doctor of Philosophy (Ph.D.); Information Studies , page 474
      - 18.11.2.7 Graduate Certificate in Library and Information Studies (15 credits) , page 474
      - 18.11.2.8 Graduate Diploma in Library and Information Studies (30 credits) , page 475
    - 18.11.3 Integrated Studies in Education, page 475
      - 18.11.3.1 Location, page 475
      - 18.11.3.2 About Integrated Studies in Education, page 476
      - 18.11.3.3 Integrated Studies in Education Admission Requirements and Application Procedures, page 479
      - 18.11.3.4 Integrated Studies in Education Faculty, page 480
      - 18.11.3.5 Master of Arts (M.A.); Education and Society (Thesis) (45 credits) , page 482
      - 18.11.3.6 Master of Arts (M.A.); Education and Society (Thesis) — Gender and Women's Studies (45 credits) , page 483

- 
- 18.11.3.7 Master of Arts (M.A.); Education and Society (Non-Thesis) (45 credits) , page 483
  - 18.11.3.8 Master of Arts (M.A.); Education and Society (Non-Thesis)— Gender and Women's Studies (45 credits) , page 484
  - 18.11.3.9 Master of Arts (M.A.); Education and Society (Non-Thesis) — Jewish Education (45 credits) , page 485
  - 18.11.3.10 Master of Arts (M.A.); Educational Leadership (Thesis) (45 credits) , page 486
  - 18.11.3.11 Master of Arts (M.A.); Educational Leadership (Thesis)— Gender and Women's Studies (45 credits) , page 486
  - 18.11.3.12 Master of Arts (M.A.); Educational Leadership (Non-Thesis) — Coursework (45 credits) , page 487
  - 18.11.3.13 Master of Arts (M.A.); Educational Leadership (Non-Thesis) — Project (45 credits) , page 488
  - 18.11.3.14 Master of Arts (M.A.); Educational Leadership (Non-Thesis) — Project — Gender and Women's Studies (45 credits) , page 488
  - 18.11.3.15 Master of Arts (M.A.); Second Language Education (Thesis) (45 credits) , page 489
  - 18.11.3.16 Master of Arts (M.A.); Second Language Education (Thesis) — Gender and Women's Studies (45 credits) , page 490
  - 18.11.3.17 Master of Arts (M.A.); Second Language Education (Non-Thesis) (45 credits) , page 491
  - 18.11.3.18 Master of Arts (M.A.) in Teaching and Learning — English or French Second Language (60 credits) , page 492
  - 18.11.3.19 Master of Arts (M.A.) in Teaching and Learning — English Language Arts Option (60 credits) , page 493
  - 18.11.3.20 Master of Arts (M.A.) in Teaching and Learning — Mathematics Option (60 credits) , page 494
  - 18.11.3.21 Master of Arts (M.A.) in Teaching and Learning — Social Sciences Option (60 credits) , page 496
  - 18.11.3.22 Master of Arts (M.A.) in Teaching and Learning — Science and Technology Option (60 credits) , page 497
  - 18.11.3.23 Doctor of Philosophy (Ph.D.); Educational Studies , page 498
  - 18.11.3.24 Doctor of Philosophy (Ph.D.); Educational Studies — Language Acquisition , page 499
  - 18.11.3.25 Doctor of Philosophy (Ph.D.); Educational Studies — Gender and Women's Studies , page 501
  - 18.11.3.26 Graduate Certificate in Educational Leadership 1 (15 credits) , page 501
  - 18.11.3.27 Graduate Certificate in Educational Leadership 2 (15 credits) , page 502
  - 18.11.3.28 Graduate Certificate; Teaching English as a Second Language (15 credits) , page 502
  - 18.11.4 Kinesiology and Physical Education, page 502
    - 18.11.4.1 Location, page 502
    - 18.11.4.2 About Kinesiology and Physical Education, page 503
    - 18.11.4.3 Kinesiology and Physical Education Admission Requirements and Application Procedures, page 503
    - 18.11.4.4 Kinesiology and Physical Education Faculty, page 504
    - 18.11.4.5 Master of Arts (M.A.); Kinesiology and Physical Education (Thesis) (45 credits) , page 504
    - 18.11.4.6 Master of Science (M.Sc.); Kinesiology and Physical Education (Thesis) (45 credits) , page 505
    - 18.11.4.7 Master of Arts (M.A.); Kinesiology and Physical Education (Non-Thesis) (45 credits) , page 506
    - 18.11.4.8 Master of Science (M.Sc.); Kinesiology and Physical Education (Non-Thesis) (45 credits) , page 507
  - 19 Faculty of Engineering, page 508
    - 19.1 Dean's Welcome, page 508
    - 19.2 Graduate and Postdoctoral Studies, page 509

19.5 Programs

- 19.5.1 Master's Degrees, page 518
- 19.5.2 Doctoral Degrees, page 519
- 19.5.3 Ad Hoc Programs, page 520

- 19.6.4 Competency in English, page 522
- 19.6.5 Admission to a Qualifying Program, page 522
- 19.6.6 Admission to a Second Degree Program, page 522
- 19.6.7 Admission to Two Degree Programs, page 523
- 19.6.8 Admission to an Ad Personam Joint Program, page 523
- 19.6.9 Admission to an Ad Hoc Program (Thesis), page 523
- 19.6.10 Reinstatement and Admission of Former Students, page 523
- 19.6.11 Deferral of Admission, page page ral Research,

- 
- 19.9.6 Health and Parental/Familial Leave of Absence Policy, page 532
  - 19.9.7 Failure Policy, page 532
  - 19.9.8 Guideline on Hours of Work, page 532
  - 19.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees, page 533
    - 19.10.1 Policy on Research Ethics, page 533
    - 19.10.2 Regulations on Research Policy, page 533
    - 19.10.3 Policy on Research Integrity, page 533
    - 19.10.4 Guidelines for Research Involving Human Subjects, page 533
    - 19.10.5 Guidelines for Research with Animal Subjects, page 533
    - 19.10.6 Policy on Intellectual Property, page 533
    - 19.10.7 Regulations Governing Conflicts of Interest, page 533
    - 19.10.8 Safety in Field Work, page 533
    - 19.10.9 Office of Sponsored Research, page 533
    - 19.10.10 Postdocs, page 533
    - 19.10.11 Research Associates, page 533
  - 19.11 Academic Programs, page 533
    - 19.11.1 Architecture, page 534
      - 19.11.1.1 Location, page 534
      - 19.11.1.2 About Architecture, page 534
      - 19.11.1.3 Architecture Admission Requirements and Application Procedures, page 536
      - 19.11.1.4 Architecture Faculty, page 538
      - 19.11.1.5 Master of Architecture (M.Arch.); Professional (Non-Thesis) — Design Studio (45 credits) , page 539
      - 19.11.1.6 Master of Architecture (M.Arch.); Professional (Non-Thesis) — Design Studio-Directed Research (60 credits) , page 540
      - 19.11.1.7 Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Architectural History and Theory (45 credits) , page 542
      - 19.11.1.8 Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Cultural Mediations and Technology (45 credits) , page 542
      - 19.11.1.9 Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Urban Design and Housing (45 credits) , page 543
      - 19.11.1.10 Doctor of Philosophy (Ph.D.); Architecture , page 544
    - 19.11.2 Chemical Engineering, page 544
      - 19.11.2.1 Location, page 544
      - 19.11.2.2 About Chemical Engineering, page 544
      - 19.11.2.3 Chemical Engineering Admission Requirements and Application Procedures, page 546
      - 19.11.2.4 Chemical Engineering Faculty, page 546
      - 19.11.2.5 Master of Engineering (M.Eng.); Chemical Engineering (Thesis) (45 credits) , page 547
      - 19.11.2.6 Master of Engineering (M.Eng.); Chemical Engineering (Non-Thesis) (45 credits) , page 548
      - 19.11.2.7 Master of Engineering (M.Eng.); Chemical Engineering (Non-Thesis) — Environmental Engineering (45 credits) , page 548

19.11.2.8 Doctor of Philosoph

- 19.11.6.5 Master of Engineering (M.Eng.); Mining and Materials Engineering (Thesis) (45 credits) , page 573
- 19.11.6.6 Master of Science (M.Sc.); Mining and Materials Engineering (Thesis) (45 credits) , page 573
- 19.11.6.7 Master of Engineering (M.Eng.); Mining and Materials Engineering (Non-Thesis) (45 credits) , page 574
- 19.11.6.8 Master of Engineering (M.Eng.); Mining and Materials Engineering (Non-Thesis) —  
Environmental Engineering (45 credits) , page 574
- 19.11.6.9 Doctor of Philosophy (Ph.D.); Mining and Materials Engineering , page 575
- 19.11.6.10 Graduate Diploma in Mining Engineering (30 credits) , page 576
- 19.11.7 Urban Planning, page 576
  - 19.11.7.1 Location, page 576
  - 19.11.7.2 About Urban Planning, page 576
  - 19.11.7.3 Urban Planning Admission Requirements and Application Procedures, page 577
  - 19.11.7.4 Urban Planning Faculty, page 577
  - 19.11.7.5 Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) (66 credits) , page 578
  - 19.11.7.6 Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) — Transportation Planning  
(66 credits) , page 579
  - 19.11.7.7 Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) — Urban Design (66 credits) , page 580
- 20 Faculty of Law, page 582
  - 20.1 Dean's Welcome, page 582
  - 20.2 Graduate and Postdoctoral Studies, page 582
    - 20.2.1 Administrative Officers, page 582
    - 20.2.2 Location, page 582
    - 20.2.3 General Statement Concerning Higher Degrees, page 583
  - 20.3 Important Dates 2011-2012, page 583
  - 20.4 Graduate Studies at a Glance, page 583
    - 20.4.1 Graduate Diplomas and Certificates, page 585
    - 20.4.2 Master's Degrees, page 586
    - 20.4.3 Doctoral Degrees, page 590
    - 20.4.4 Postdoctoral Research, page 592
  - 20.5 Program Requirements, page 592
    - 20.5.1 Master's Degrees,



- 20.6.6 Admission to a Second Degree Program, page 596
- 20.6.7 Admission to Two Degree Programs, page 596
- 20.6.8 Admission to an Ad Personam Joint Program, page 596
- 20.6.9 Admission to an Ad Hoc Program (Thesis), page 596
- 20.6.10 Reinstatement and Admission of Former Students, page 597
- 20.6.11 Deferral of Admission, page 597
- 20.7 Fellowships, Awards, and Assistantships, page 597
- 20.8





- 22.1 Dean's Welcome, page 653
- 22.2 Graduate and Postdoctoral Studies, page 653
  - 22.2.1 Administrative Officers,



- 22.11.3.4 Bioethics Faculty, page 694
- 22.11.4 Biomedical Engineering, page 694
  - 22.11.4.1 Location, page 694
  - 22.11.4.2 About Biomedical Engineering, page 694
  - 22.11.4.3 Biomedical Engineering Admission Requirements and Application Procedures, page 695
  - 22.11.4.4 Biomedical Engineering Faculty, page 695
  - 22.11.4.5 Master of Engineering (M.Eng.); Biomedical Engineering (Thesis) (45 credits) , page 696
  - 22.11.4.6 Master of Engineering (M.Eng.); Biomedical Engineering (Thesis) — Bioinformatics (45 credits) , page 697
  - 22.11.4.77

- 22.11.9.1 Location, page 723
- 22.11.9.2 About Medical Physics, page 724
- 22.11.9.3 Medical Physics Admission Requirements and Application Procedures, page 724
- 22.11.9.4 Medical Physics Faculty, page 725
- 22.11.9.5 Master of Science (M.Sc.); Medical Radiation Physics (Thesis) (60 credits) , page 725
- 22.11.10 Medicine, Experimental, page 726
  - 22.11.10.1 Location, page 726
  - 22.11.10.2 About Experimental Medicine, page 726
  - 22.11.10.3 Medicine, Experimental Admission Requirements and Application Procedures, page 727
  - 22.11.10.4 Medicine, Experimental Faculty, page 728
  - 22.11.10.5 Master of Science (M.Sc.); Experimental Medicine (Thesis) (45 credits) , page 732
  - 22.11.10.6 Master of Science (M.Sc.); Experimental Medicine (Thesis) — Bioethics (45 credits) , page 732
  - 22.11.10.7 Master of Science (M.Sc.); Experimental Medicine (Thesis) — Environment (45 credits) , page 732
  - 22.11.10.8 Master of Science (M.Sc.); Experimental Medicine (Thesis) — Family Medicine (45 credits) , page 733
  - 22.11.10.9 Doctor of Philosophy (Ph.D.); Experimental Medicine , page 733
  - 22.11.10.10 Doctor of Philosophy (Ph.D.); Experimental Medicine — Environment , page 734
  - 22.11.10.11 Graduate Diploma in Clinical Research (30 credits) , page 734
- 22.11.11 Microbiology and Immunology, page 735
  - 22.11.11.1 Location, page 735
  - 22.11.11.2 About Microbiology and Immunology, page 735
  - 22.11.11.3 Microbiology and Immunology Admission Requirements and Application Procedures, page 735
  - 22.11.11.4 Microbiology and Immunology Faculty, page 736
  - 22.11.11.5 Master of Science (M.Sc.); Microbiology and Immunology (Thesis) (45 credits) , page 737
  - 22.11.11.6 Doctor of Philosophy (Ph.D.); Microbiology and Immunology , page 738
- 22.11.12 Neuroscience (Integrated Program in), page 739
  - 22.11.12.1 Location, page 739
  - 22.11.12.2 About the Integrated Program in Neuroscience, page 739
  - 22.11.12.3 Neuroscience (Integrated Program in) Admission Requirements and Application Procedures, page 740
  - 22.11.12.4 Neuroscience (Integrated Program in) Faculty, page 740
  - 22.11.12.5 Master of Science (M.Sc.); Neuroscience (Thesis) (45 credits) , page 745
  - 22.11.12.6 Doctor of Philosophy (Ph.D.); Neuroscience , page 745
- 22.11.13 Occupational Health, page 746
  - 22.11.13.1 Location, page 746
  - 22.11.13.2 About Occupational Health, page 746
  - 22.11.13.3 Occupational Health Admission Requirements and Application Procedures, page 747
  - 22.11.13.4 Occupational Health Faculty, page 748
  - 22.11.13.5 Master of Science, Applied (M.Sc.A.); Occupational Health (Resident) (Non-Thesis) (45 credits) , page 750
  - 22.11.13.6 Master of Science, Applied (M.Sc.A.); Occupational Health (Distance) (Non-Thesis) (45 credits) , page 750

- 22.11.13.7 Doctor of Philosophy (Ph.D.); Occupational Health , page 751
- 22.11.14 Otolaryngology – Head and Neck Surgery, page 751
  - 22.11.14.1 Location, page 751
  - 22.11.14.2 About Otolaryngology – Head and Neck Surgery, page 751
  - 22.11.14.3 Otolaryngology Admission Requirements and Application Procedures, page 752
  - 22.11.14.4 Otolaryngology – Head and Neck Surgery Faculty, page 752
  - 22.11.14.5 Master of Science (M.Sc.); Otolaryngology (Thesis) (45 credits) , page 753
- 22.11.15 Pathology, page 754
  - 22.11.15.1 Location, page 754
  - 22.11.15.2 About Pathology, page 754
  - Pathology** Pathology Admission Requirements and Application Procedures, page 754





- 
- 23.8.3 Vacation Policy for Graduate Students and Postdocs, page 794
  - 23.8.4 Leave of Absence for Health and Parental/Familial Reasons, page 794
  - 23.8.5 Postdoctoral Research Trainees, page 795
  - 23.9 Graduate Studies Guidelines and Policies, page 795
    - 23.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision, page 796
    - 23.9.2 Policy on Graduate Student Research Progress Tracking, page 797
    - 23.9.3 Vacation Policy for Graduate Students and Postdocs, page 798
    - 23.9.4 Ph.D. Comprehensives Policy, page 798
    - 23.9.5 Graduate Studies Reread Policy, page 799
    - 23.9.6 Health and Parental/Familial Leave of Absence Policy, page 800
    - 23.9.7 Failure Policy, page 801
    - 23.9.8 Guideline on Hours of Work, page 801
  - 23.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees, page 801
    - 23.10.1 Policy on Research Ethics, page 801
    - 23.10.2 Regulations on Research Policy, page 801
    - 23.10.3 Policy on Research Integrity, page 801
    - 23.10.4 Guidelines for Research Involving Human Subjects, page 801
    - 23.10.5 Guidelines for Research with Animal Subjects, page 802
    - 23.10.6 Policy on Intellectual Property, page 802
    - 23.10.7 Regulations Governing Conflicts of Interest, page 802
    - 23.10.8 Safety in Field Work, page 802
    - 23.10.9 Office of Sponsored Research, page 802
    - 23.10.10 Postdocs, page 802
    - 23.10.11 Research Associates, page 802
  - 23.11 Academic Programs, page 802
    - 23.11.1 Nursing, page 802
      - 23.11.1.1 Location, page 802
      - 23.11.1.2 About Nursing, page 802
      - 23.11.1.3 Nursing Admission Requirements and Application Procedures, page 804
      - 23.11.1.4 Nursing Faculty, page 806
      - 23.11.1.5 Master of Science, Applied (M.Sc.A.); Nursing (Non-Thesis) (58 credits) , page 811
      - 23.11.1.6 Graduate Certificate; Theory in Neonatology (15 credits) , page 812
      - 23.11.1.7 Graduate Certificate; Theory in Primary Care (15 credits) , page 812
      - 23.11.1.8 Graduate Diploma in Neonatal Nurse Practitioner (30 credits) , page 812
      - 23.11.1.9 Graduate Diploma in Primary Nurse Practitioner (30 credits) , page 813
      - 23.11.1.10 Doctor of Philosophy (Ph.D.); Nursing , page 813
      - 23.11.1.11 Doctor of Philosophy (Ph.D.); Nursing — Psychosocial Oncology , page 813
  - 24 School of Physical and Occupational Therapy, page 814
    - 24.1 Dean's Welcome, page 814
    - 24.2 Graduate and Postdoctoral Studies, page 814

- 24.2.1 Administrative Officers, page 814
- 24.2.2 Location, page 815
- 24.2.3 General Statement Concerning Higher Degrees, page 815
- 24.3 Important Dates 2011-2012, page 815
- 24.4 Graduate Studies at a Glance, page 815
  - 24.4.1 Graduate Diplomas and Certificates, page 818
  - 24.4.2 Master's Degrees, page 818
  - 24.4.3 Doctoral Degrees, page 822
  - 24.4.4 Postdoctoral Research, F4 8.1 Tf()Tj/De

- 24.9.6 Health and Parental/Familial Leave of Absence Policy, page 838
- 24.9.7 Failure Policy, page 838
- 24.9.8 Guideline on Hours of Work, page 838
- 24.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees, page 838
  - 24.10.1 Policy on Research Ethics, page 839
  - 24.10.2 Regulations on Research Policy, page 839
  - 24.10.3 Policy on Research Integrity, page 839
  - 24.10.4 Guidelines for Research Involving Human Subjects, page 839
  - 24.10.5 Guidelines for Research with Animal Subjects, page 839
  - 24.10.6 Policy on Intellectual Property, page 839
  - 24.10.7 Regulations Gov

- 25.5 Program Requirements, page 859
  - 25.5.1 Master's Degrees, page 859
  - 25.5.2 Doctoral Degrees, page 860
  - 25.5.3 Ad Hoc Programs, page 861
  - 25.5.4 Ad Personam Programs (Thesis Option only), page 861
  - 25.5.5 Coursework for Graduate Programs, Diplomas, and Certificates, page 861
- 25.6 General Admission for Graduate Studies, page 862
  - 25.6.1 Application for Admission, page 862
  - 25.6.2 Admission Requirements (minimum requirements to be considered for admission), page 862
  - 25.6.3 Admission Tests, page 862
  - 25.6.4 Competency in English, page 863
  - 25.6.5 Admission to a Qualifying Program, page 863
  - 25.6.6 Admission to a Second Degree Program, page 864
  - 25.6.7 Admission to Two Degree Programs, page 864
  - 25.6.8 Admission to an Ad Personam Joint Program, page 864
  - 25.6.9 Admission to an Ad Hoc Program (Thesis), page 864
  - 25.6.10

- 25.10.6 Policy on Intellectual Property, page 874
- 25.10.7 Regulations Governing Conflicts of Interest, page 874
- 25.10.8 Safety in Field Work, page 874
- 25.10.9 Office of Sponsored Research, page 874
- 25.10.10 Postdocs, page 875
- 25.10.11 Research Associates, page 875
- 25.11 Academic Programs, page 875
  - 25.11.1 Religious Studies, page 875
    - 25.11.1.1 Location, page 875
    - 25.11.1.2 About Religious Studies, page 875
    - 25.11.1.3 Religious Studies Admission Requirements and Application Procedures, page 876
    - 25.11.1.4 Religious Studies Faculty, page 877
    - 25.11.1.5 Master of Arts (M.A.); Religious Studies (Thesis) (48 credits) , page 878
    - 25.11.1.6 Master of Arts (M.A.); Religious Studies (Thesis) — Gender and Women’s Studies (45 credits) , page 879
    - 25.11.1.7 Master of Arts (M.A.); Religious Studies (Thesis) — Bioethics (45 credits) , page 879
    - 25.11.1.8 Master of Arts (M.A.); Religious Studies (Non-Thesis) (45 credits) , page 880
    - 25.11.1.9 Master of Sacred Theology (STM); Religious Studies (Non-Thesis) (48 credits) , page 880
    - 25.11.1.10 Doctor of Philosophy (Ph.D.); Religious Studies , page 881
    - 25.11.1.11 Doctor of Philosophy (Ph.D.); Religious Studies — Gender and Women’s Studies , page 881
- 26 Schulich School of Music, page 882
  - 26.1 Dean's Welcome, page 882
  - 26.2 Graduate and Postdoctoral Studies, page 882
    - 26.2.1 Administrative Officers, page 882
    - 26.2.2 Location, page 883
    - 26.2.3 General Statement Concerning Higher Degrees, page 883
  - 26.3 Important Dates 2011-2012, page 883
  - 26.4 Graduate Studies at a Glance, page 883
    - 26.4.1 Graduate Diplomas and Certificates, page 886
    - 26.4.2 Master's Degrees, page 886
    - 26.4.3 Doctoral Degrees, page 890
    - 26.4.4 Postdoctoral Research, page 892
  - 26.5 Program Requirements, page 892
    - 26.5.1 Master's Degrees, page 892
    - 26.5.2 Doctoral Degrees, page 893
    - 26.5.3 25..(25.10.10)Tjme,me8f( Bioet 21 0 10 1 163.868 490.omlonly)582 Tm(883)Tj34.510.10)Tjme,m.872 Tm(26.3)Tj1 0 Hi740.10

- 
- 26.6.3 Admission Tests, page 895
  - 26.6.4 Competency in English, page 895
  - 26.6.5 Admission to a Qualifying Program, page 896
  - 26.6.6 Admission to a Second Degree Program, page 896
  - 26.6.7 Admission to Two Degree Programs, page 896
  - 26.6.8 Admission to an Ad Personam Joint Program, page 896
  - 26.6.9 Admission to an Ad Hoc Program (Thesis), page 897
  - 26.6.10 Reinstatement and Admission of Former Students, page 897
  - 26.6.11 Deferral of Admission, page 897
  - 26.7 Fellowships, Awards, and Assistantships, page 897
  - 26.8 Postdoctoral Research, page 898
    - 26.8.1 Postdocs, page 898
    - 26.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education, page 898
    - 26.8.3 Vacation Policy for Graduate Students and Postdocs, page 900
    - 26.8.4 Leave of Absence for Health and Parental/Familial Reasons, page 900
    - 26.8.5 Postdoctoral Research Trainees, page 900
  - 26.9 Graduate Studies Guidelines and Policies, page 901
    - 26.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision, page 901
    - 26.9.2 Policy on Graduate Student Research Progress Tracking, page 902
    - 26.9.3 Vacation Policy for Graduate Students and Postdocs, page 903
    - 26.9.4 Ph.D. Comprehensives Policy, page 903
    - 26.9.5 Graduate Studies Reread Policy, page 905
    - 26.9.6 Health and Parental/Familial Leave of Absence Policy, page 906
    - 26.9.7 Failure Policy, page 906
    - 26.9.8 Guideline on Hours of Work, page 906
  - 26.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees, page 906
    - 26.10.1 Policy on Research Ethics, page 907
    - 26.10.2 Regulations on Research Policy, page 907
    - 26.10.3 Policy on Research Integrity, page 907
    - 26.10.4 Guidelines for Research Involving Human Subjects, page 907
    - 26.10.5 Guidelines for Research with Animal Subjects, page 907
    - 26.10.6 Policy on Intellectual Property, page 907
    - 26.10.7 Regulations Governing Conflicts of Interest, page 907
    - 26.10.8 Safety in Field Work, page 907
    - 26.10.9 Office of Sponsored Research, page 907
    - 26.10.10 Postdocs, page 907
    - 26.10.11 Research Associates, page 907
  - 26.11 Academic Programs, page 907
    - 26.11.1 Schulich School of Music, page 907
      - 26.11.1.1 Location, page 907

26.11.1.2 About Schulich School of Music, page 908

26.11.1.3 Schulich School of Music Admission Requirements and Applications and



- 27.4.2 Master's Degrees, page 945
- 27.4.3 Doctoral Degrees, page 950
- 27.4.4 Postdoctoral Research, page 951
- 27.5 Program Requirements, page 951
  - 27.5.1 Master's Degrees, page 951
  - 27.5.2 Doctoral Degrees, page 952
  - 27.5.3 Ad Hoc Programs, page 953
  - 27.5.4 Ad Personam Programs (Thesis Option only), page 953
  - 27.5.5 Coursework for Graduate Programs, Diplomas, and Certificates, page 953
- 27.6 General Admission for Graduate Studies, page 954
  - 27.6.1 Application for Admission, page 954
  - 27.6.2 Admission Requirements (minimum requirements to be considered for admission), page 954
  - 27.6.3 Admission Tests, page 954
  - 27.6.4 Competency in English, page 955
  - 27.6.5 Admission to a Qualifying Program, page 955
  - 27.6.6 Admission to a Second Degree Program, page 956
  - 27.6.7 Admission to Two Degree Programs, page 956
  - 27.6.8 Admission to an Ad Personam Joint Program, page 956
  - 27.6.9 Admission to an Ad Hoc Program (Thesis), page 956
  - 27.6.10 Reinstatement and Admission of Former Students, page 956
  - 27.6.11 Deferral of Admission, page 956
- 27.7 Fellowships, Awards, and Assistantships, page 957
- 27.8 Postdoctoral Research, page 957
  - 27.8.1 Postdocs, page 957
  - 27.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education, page 957
  - 27.8.3 Vacation Policy for Graduate Students and Postdocs, page 959
  - 27.8.4 Leave of Absence for Health and Parental/Familial Reasons, page 959
  - 27.8.5 Postdoctoral Research Trainees, page 959
- 27.9 Graduate Studies Guidelines and Policies, page 960
  - 27.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision, page 960
  - 27.9.2 Policy on Graduate Student Research Progress Tracking, page 962
  - 27.9.3 Vacation Policy for Graduate Students and Postdocs, page 962
  - 27.9.4 Ph.D. Comprehensives Policy, page 962
  - 27.9.5 Graduate Studies Reread Policy, page 964
  - 27.9.6 Health and Parental/Familial Leave of Absence Policy,

- 27.10.3 Policy on Research Integrity, page 966
- 27.10.4 Guidelines for Research Involving Human Subjects, page 966
- 27.10.5 Guidelines for Research with Animal Subjects, page 966
- 27.10.6 Policy on Intellectual Property, page 966
- 27.10.7 Regulations Governing Conflicts of Interest, page 966
- 27.10.8 Safety in Field Work, page 966
- 27.10.9 Office of Sponsored Research, page 966
- 27.10.10 Postdocs, page 967
- 27.10.11 Research Associates, page 967
- 27.11 Academic Programs, page 967
  - 27.11.1 Atmospheric and Oceanic Sciences, page 967
    - 27.11.1.1 Location, page 967
    - 27.11.1.2 About Atmospheric and Oceanic Sciences, page 967
    - 27.11.1.3 Atmospheric and Oceanic Sciences Admission Requirements and Application Procedures, page 968
    - 27.11.1.4 Atmospheric and Oceanic Sciences Faculty, page 968
    - 27.11.1.5 Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) (45 credits) , page 969
    - 27.11.1.6 Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) — Environment (45 credits) , page 970
    - 27.11.1.7 Doctor of Philosophy (Ph.D.); Atmospheric and Oceanic Sciences , page 971
  - 27.11.2 Biology, page 971
    - 27.11.2.1 Location, page 971
    - 27.11.2.2 About Biology, page 971
    - 27.11.2.3 Biology Admission Requirements and Application Procedures, page 974
    - 27.11.2.4 Biology Faculty, page 974
    - 27.11.2.5 Master of Science (M.Sc.); Biology (Thesis) (45 credits) , page 976
    - 27.11.2.6 Master of Science (M.Sc.); Biology (Thesis) — Environment (48 credits) , page 976
    - 27.11.2.7 Master of Science (M.Sc.); Biology (Thesis) — Neotropical Environment (48 credits) , page 977
    - 27.11.2.8 Master of Science (M.Sc.); Biology (Thesis) — Bioinformatics (48 credits) , page 977
    - 27.11.2.9 Doctor of Philosophy (Ph.D.); Biology , page 978
    - 27.11.2.10 Doctor of Philosophy (Ph.D.); Biology — Developmental Biology , page 978
    - 27.11.2.11 Doctor of Philosophy (Ph.D.); Biology — Environment , page 978
    - 27.11.2.12 Doctor of Philosophy (Ph.D.); Biology — Neotropical Environment , page 979
    - 27.11.2.13 Doctor of Philosophy (Ph.D.); Biology — Bioinformatics , page 979
  - 27.11.3 Chemistry, page 980
    - 27.11.3.1 Location, page 980
    - 27.11.3.2 About Chemistry, page 980
    - 27.11.3.3 Chemistry Admission Requirements and Application Procedures, page 981
    - 27.11.3.4 Chemistry Faculty, page 981
    - 27.11.3.5 Master of Science,57.522 Tm(27.11.48381 0 0 1 237.02F4256.482 Tm( page )Tj1ft07.11.3.1)Tj1 0 0 A7ci(Non- )Tj1 0 0 1 441.229 473.

- 
- 27.11.3.7 Master of Science (M.Sc.); Chemistry (Thesis) — Chemical Biology (45 credits) , page 984
  - 27.11.3.8 Doctor of Philosophy (Ph.D.); Chemistry , page 985
  - 27.11.3.9 Doctor of Philosophy (Ph.D.); Chemistry — Chemical Biology , page 985
  - 27.11.4 Computer Science, page 986
    - 27.11.4.1 Location, page 986
    - 27.11.4.2 About Computer Science, page 986
    - 27.11.4.3 Computer Science Admission Requirements and Application Procedures, page 987
    - 27.11.4.4 Computer Science Faculty, page 987
    - 27.11.4.5 Master of Science (M.Sc.); Computer Science (Thesis) (45 credits) , page 989
    - 27.11.4.6 Master of Science (M.Sc.); Computer Science (Thesis) — Computational Science and Engineering (45 credits) , page 989
    - 27.11.4.7 Master of Science (M.Sc.); Computer Science (Thesis) — Bioinformatics (45 credits) , page 991
    - 27.11.4.8 Master of Science (M.Sc.); Computer Science (Non-Thesis) (45 credits) , page 991
    - 27.11.4.9 Doctor of Philosophy (Ph.D.); Computer Science , page 992
    - 27.11.4.10 Doctor of Philosophy (Ph.D.); Computer Science — Bioinformatics , page 993
  - 27.11.5 Earth and Planetary Sciences, page 994
    - 27.11.5.1 Location, page 994
    - 27.11.5.2 About Earth and Planetary Sciences, page 994
    - 27.11.5.3 Earth and Planetary Sciences Admission Requirements and Application Procedures, page 996
    - 27.11.5.4 Earth and Planetary Sciences Faculty, page 996
    - 27.11.5.5 Master of Science (M.Sc.); Earth and Planetary Sciences (Thesis) (45 credits) , page 997
    - 27.11.5.6 Master of Science (M.Sc.); Earth and Planetary Sciences (Thesis) — Environment (48 credits) , page 997
    - 27.11.5.7 Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences , page 998
    - 27.11.5.8 Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences — Environment , page 998
  - 27.11.6 Geography, page 999
    - 27.11.6.1 Location, page 999
    - 27.11.6.2 About Geography, page 999
    - 27.11.6.3 Geography Admission Requirements and Application Procedures, page 1001
    - 27.11.6.4 Geography Faculty, page 1002
    - 27.11.6.5 Master of Science (M.Sc.); Geography (Thesis) (45 credits) , page 1003
    - 27.11.6.6 Master of Science (M.Sc.); Geography (Thesis) — Environment (45 credits) , page 1003
    - 27.11.6.7 Master of Science (M.Sc.); Geography (Thesis) — Neotropical Environment (45 credits) , page 1004
    - 27.11.6.8 Doctor of Philosophy (Ph.D.); Geography , page 1004
    - 27.11.6.9 Doctor of Philosophy (Ph.D.); Geography — Environment , page 1005
    - 27.11.6.10 Doctor of Philosophy (Ph.D.); Geography — Gender and Women's Studies , page 1005
    - 27.11.6.11 Doctor of Philosophy (Ph.D.); Geography — Neotropical Environment , page 1006
  - 27.11.7 Mathematics and Statistics, page 1006
    - 27.11.7.1 Location, page 1006
    - 27.11.7.2 About Mathematics and Statistics, page 1006
    - 27.11.7.3 Mathematics and Statistics Admission Requirements and Application Procedures, page 1008

- 27.11.7.4 Mathematics and Statistics Faculty, page 1008
- 27.11.7.5 Master of Science (M.Sc.); Mathematics and Statistics (Thesis) (45 credits) , page 1010
- 27.11.7.6 Master of Science (M.Sc.); Mathematics and Statistics (Thesis) — Bioinformatics (48 credits) , page 1011
- 27.11.7.7 Master of Science (M.Sc.); Mathematics and Statistics (Thesis) — Computational Science and Engineering (47 credits) , page 1011
- 27.11.7.8 Master of Science (M.Sc.); Mathematics and Statistics (Non-Thesis) (45 credits) , page 1013
- 27.11.7.9 Doctor of Philosophy (Ph.D.); Mathematics and Statistics , page 1013
- 27.11.7.10 Doctor of Philosophy (Ph.D.); Mathematics and Statistics — Bioinformatics , page 1013
- 27.11.8 Physics, page 1013
  - 27.11.8.1 Location, page 1013
  - 27.11.8.2 About Physics, page 1014
  - 27.11.8.3 Physics Admission Requirements and Application Procedures, page 1015
  - 27.11.8.4 Physics Faculty, page 1016
  - 27.11.8.5 Master of Science (M.Sc.); Physics (Thesis) (45 credits) , page 1017
  - 27.11.8.6 Doctor of Philosophy (Ph.D.); Physics , page 1018
- 27.11.9 Psychology, page 1018
  - 27.11.9.1 Location, page 1018
  - 27.11.9.2 About Psychology, page 1018
  - 27.11.9.3 Psychology Admission Requirements and Application Procedures, page 1019
  - 27.11.9.4 Psychology Faculty, page 1020
  - 27.11.9.5 Master of Science (M.Sc.); Psychology (Thesis) (45 credits) , page 1022
  - 27.11.9.6 Doctor of Philosophy (Ph.D.); Psychology , page 1022
  - 27.11.9.7 Doctor of Philosophy (Ph.D.); Psychology — Language Acquisition , page 1022
  - 27.11.9.8 Doctor of Philosophy (Ph.D.); Psychology — Psychosocial Oncology , page 1024
- 27.11.10 Redpath Museum, page 1024
  - 27.11.10.1 Location, page 1024
  - 27.11.10.2 About Redpath Museum, page 1025
  - 27.11.10.3 Redpath Museum Admission Requirements and

---

Univer

registered for a last course such as a project but has not completed it, must register as non-thesis extension status until graduation. Students in a non-thesis extension session who are not registered for at least 12 credits per term, are not considered engaged in full-time studies.

### **2.1.5 Thesis Evaluation Students**

Students who have completed the residency requirements for their graduate thesis program and who have submitted their initial thesis to Graduate and Postdoctoral Studies by the April 15, August 15, or December 15 initial thesis submission deadlines will automatically be registered in "Thesis Evaluation" status for all subsequent terms until the term of the final e-thesis submission. Students in thesis programs whose initial thesis and final e-thesis submissions are in the same term will not require a "Thesis Evaluation" status.

"Thesis Evaluation" students are considered:

- to be registered at the University in a full-time status.
- to be eligible for University services.
- to be eligible for funding.
- to be eligible for a T2202 tax slip crediting the months for which they are registered and any ancillary fees charged.

If you are in "Thesis Evaluation" status, you are not permitted to register for courses.

### **2.1.6 Qualifying Students**

Students admitted to a Qualifying Program are knoyts admitted tIF Students

Students applying to be a graduate research trainee:

- must be registered in a graduate degree program at another university;
- must have permission from the sponsoring Institution (include letter of permission);
- must have the approval of a McGill professor and graduate program to supervise the research;
- must apply for admission at the beginning of the academic year [i.e., for Fall admission each year - if you begin a 12- month research visit in the Winter term (January) you must apply to be admitted again for the following Fall term (September); if a student splits the time spent at McGill into multiple stages, he/she may need to reapply for the appropriate academic terms.];
- must include copies of official transcripts, as part of the application package;
- must demonstrate adequate proficiency in English to function in the University environment, including any required safety training and understanding of policies and procedures. Assessment of written and verbal language skills is the responsibility of the supervising professor; Graduate and Postdoctoral Studies does not require official proof of English competency for research trainees;
- are not charged fees for any term of registration including Summer;
- are not charged any Student Service or

### 2.1.13 McGill Staff as Graduate Students

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

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

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

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

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

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

If you are a regular McGill undergraduate or graduate degree, diploma or certificate student, you may register, with your faculty's permission, at any Quebec university for three, or in some cases six, credits per term in addition to your registration at McGill. You may also obtain permission to complete a full term (i.e., 12 to 15 credits) at another Quebec university. These courses, subject to faculty regulations, will be recognized by McGill for the degree that you are registered for, up to the limit imposed by the residency requirements of the program. Normally, you must complete a minimum residency requirement of 60 credits at McGill in order to qualify for a McGill degree (you should check with your faculty). This privilege will be granted if there are valid academic reasons.

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

- The Quebec universities concerned may, at their discretion, refuse the registration of a student for any of their courses.
- You must complete your faculty and program requirements.
- You are responsible for ensuring that the McGill Class Schedule permits you to take these courses without conflict.
- The Quebec universities concerned are not responsible for special arrangements in cases of examination or class schedule conflicts.
- Grades earned at the host university will not be included in your McGill grade point averages (GPA) or show on your McGill transcripts.
- If you are attending McGill as an Exchange student from outside Quebec, you are not eligible to take courses at another Quebec institution through the IUT agreement.
- Any grades received late from host universities may delay your graduation.

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

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



**Note:** Once the Quebec Inter-University Transfer (IUT) application is approved, you must allow sufficient time to complete and submit your electronic application, because you are responsible for adhering to all the host university's registration deadlines. If you decide later to drop or withdraw from the approved course(s), you will need to drop or withdraw from the course using the host university's registration method AND submit this change on the online Quebec Inter-University Transfer (IUT) application.

The host institution will 0 0ac Inte49.502pc 0 0s), you will 1 0 0 1 511 466.662 Tm(y3Tj17t institution yy)Tj1 0 df1 0 0 1 67.5207 578.711 Tm(Quebec In2rati921 0 0 1



**Note for Continuing Studies:** If you are a Visiting IUT Student and your application has been approved, you must re

Non-credit general interest or languages courses cannot be added directly by the student. Students may register for these courses in person at the SCS, where the course(s) will be added to their record as “**Extra**” to their program and course fees will be charged.

Summer courses offered through the SCS cannot be added directly by the student. T

### 2.2.8 Withdrawal from a Degree Program

Departments have the right to ask students to withdraw from the program if progress is not satisfactory, or if they have failed two courses required for their program, or for lack of performance in research. Please see [section 2.14: Failure Policy](#).

Any student who withdraws from the University **must complete a Withdrawal Form** available at [www.mcgill.ca/gps/students/registration/](http://www.mcgill.ca/gps/students/registration/). Fees will then be refunded according to the conditions outlined in [section 2.5: Course Change Period](#) and in [section 2.7: Regulations Concerning Course Withdrawal](#).

### 2.2.9 Late Registration

If you fail to register during the normal registration period, you can register within the period designated by the University for late registration. You will be assessed a late registration fee as listed below:

#### Revision, August 2011. Start of revision.

**Returning Students:** You may register late from Tuesday, July 26 until and including Thursday, September 1 with the payment of a late registration fee of \$100 (\$50 for Special Students).

#### Revision, August 2011. End of revision.

**New, Readmitted, and Returning Students (Fall):** You may register late via Minerva from Friday, September 2 until Tuesday, September 13 with the payment of a late registration fee of \$150 (\$75 for Special Students).

#### Revision, August 2011. Start of revision.

**New and Readmitted Students (Winter):** You may register late via Minerva from Tuesday, January 10, 2012, until Tuesday, January 24, 2012, with the payment of a late registration fee of \$150 (\$75 for Special Students).

#### Revision, August 2011. End of revision.

**Special Late Registration:** If you cannot register online during the late registration period, usually due to late admission, you may receive special permission to register in person. This information is included with your letter of acceptance.

---

## 2.3 Course Information and Regulations

Students are advised to also refer to [www.ues4.ues4ds/F1.8.1Tf1.0.0.1.559.934.65029.482m\(Students.ar.Tw/F3.2Tm67.52.427.986.Tm.Tm2.Tinformat](http://www.ues4.ues4ds/F1.8.1Tf1.0.0.1.559.934.65029.482m(Students.ar.Tw/F3.2Tm67.52.427.986.Tm.Tm2.Tinformat)

- Courses at the 500 level are intended for qualified senior undergraduate students but are also open to graduate students.
- Courses at the 600 and 700 level are intended for graduate students only.

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

### **2.3.3 Multi-term Courses**

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

A unit may, however, decide that the material to be presented cannot be divided into single term courses or it is preferable that the work to be done is carried out o

---

## 2.4 Summer Studies

Detailed information about summer registration is available as of March 2012 at [www.mcgill.ca/gps/students/registration](http://www.mcgill.ca/gps/students/registration).

Graduate courses are available in some subject areas during the summer and the Class Schedule at [www.mcgill.ca/students/courses/calendars](http://www.mcgill.ca/students/courses/calendars) should be consulted for a complete listing of undergraduate and graduate-level courses.

Students doing graduate work in Education are strongly advised to enrol in summer studies and many programs can only be completed by participation in summer studies.

Registration for courses for graduate students takes place via Minerva for the Summer session. It is the responsibility of the student to register for courses within the deadlines, after completing a Minerva Course Selection Form and obtaining departmental approval.

Students in thesis programs, who pay fees on a per term basis and who have already paid full-time tuition fees during the preceding year are not required to pay for required courses taken in the summer. If you are registered in a thesis program in Additional Session status, you will be charged Additional Session fees in the Summer term. Students in non-thesis programs will be charged fees for courses tak

**Revision, August 2011. Start of revision.**

Deadlines for withdrawal (grade of W) without refund:

- Single-term courses: Tuesday, October 18, 2011
- Multi-term courses that begin in Fall term: Tuesday, January 24, 2012

**Revision, August 2011. End of revision.**



**Note for Graduate and Postdoctoral Studies:** The date the request for withdrawal is submitted to GPS is the official date of withdrawal.

### Revision, August 2011. End of Revision.

## 2.8.2 Regulations Concerning University Withdrawal: Deadlines for University Withdrawal

If you decide not to attend the term(s) you are registered in, you must officially withdraw from the University within the deadlines indicated. See Withdrawal (W) deadline dates at [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates). If you drop or withdraw from your last Fall or Winter course by the end of the add/drop period of that term, you are withdrawn from the University. To return to your studies, you must follow the procedures for readmission. For more information, see [: Readmission](#).

To withdraw from the University by the deadlines indicated below, you must drop or withdraw from all courses on Minerva ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)).

### 2.8.2.1 Fall Term:

#### Revision, August 2011. Start of revision.

Deadline for University withdrawal with refund (minus \$200 for returning and the registration deposit for new students): Tuesday, September 20, 2011

Deadline for University withdrawal without refund: Tuesday, October 18, 2011

#### Revision, August 2011. End of revision.

### 2.8.2.2 Winter Term:

#### Revision, August 2011. Start of revision.

Deadline for University withdrawal with refund (minus \$200 for returning and the registration deposit for new students): Tuesday, January 31, 2012

Deadline for University withdrawal without refund: Tuesday, February 21, 2012

#### Revision, August 2011. End of revision.

If you are blocked from dropping or withdrawing from your last course on Minerva, you are required to contact your Student Affairs Office, which will supply any forms necessary to complete the University withdrawal as long as you have not missed **the deadline for University withdrawal**.



**Note for the Faculty of Agricultural and Environmental Sciences:** If you wish to withdraw after the deadlines indicated above, please contact the Faculty Adviser in the Student Affairs Office for further information.



**Note for the Faculties of Arts and Science (including B.A. & Sc.):** If you want to withdraw after the deadlines indicated above, under exceptional circumstances you may be granted permission for University withdrawal. Requests are made at Service Point (3415 McTavish Street). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see [www.mcgill.ca/students/advising](http://www.mcgill.ca/students/advising).



**Note for the Faculties of Education, Management, and Music:** If you want to withdraw after the deadlines indicated above, under exceptional circumstances you may be granted permission for University withdrawal. You should contact your Student Affairs Office ([www.mcgill.ca/students/advising/advisordirectory](http://www.mcgill.ca/students/advising/advisordirectory)) for further information.



**Note for the Faculty of Law:** In addition to the above procedures, it is important that you contact the Student Affairs Office to discuss your options and the effects that your request may have on your studies.

#### Revision, August 2011. Start of revision.

**Note for Graduate and Postdoctoral Studies:** A Withdrawal Form, available at [www.mcgill.ca/gps/students/registration](http://www.mcgill.ca/gps/students/registration), must be submitted to GPS by the withdrawal deadlines indicated.



**Note:** If you withdraw from the University and want to re-register in a later term, you must follow the procedures for readmission, except if you are in the following faculties (in which case you must contact your Student Affairs Office): Music, and Agricultural and Environmental Sciences. See : [Readmission](#) for more information.



**Note for the Faculty of Law:** You must reapply for admission via the McGill online application process. For more information, see [www.mcgill.ca/law-admissions/undergraduates/admissions/how](http://www.mcgill.ca/law-admissions/undergraduates/admissions/how).

## 2.9 Grading and Grade Point Averages (GPA)

### Classification of Grades:

Courses can be graded either by letter grades or in percentages, but the official grade in each course is the letter grade. Where appropriate, a class average appears on transcripts expressed as the letter grade most representative of the class performance.



**Note for Graduate and Postdoctoral Studies:** Class averages do not appear on transcripts for graduate courses. In the Faculty of Engineering, letter grades are assigned according to the grading scheme adopted by the professor in charge of a particular course.

Since Fall 2002, the University has only used letter grades on transcripts and verification forms.

Grades A through B- represent satisfactory passes, and F a failure. Certain courses have been approved for Pass/Fail (P/F) grading. Students must obtain grades of B- or better in courses used to fulfill program requirements.

Grading and Grade Point Averages (GPA)		
Grades	Grade Points	Numerical Scale of Marks
A	4.0	85 - 100%
A-	3.7	80 - 84%
B+	3.3	75 - 79%
B	3.0	70 - 74%
B-	2.7	65 - 69%
F (Fail)	0	0 - 64%

The University assigns grade points to letter grades according to the table above. Your academic standing is determined by a grade point average (GPA), which is calculated by dividing the sum of the course credit, times the grade points by the total course GPA credits. The result is not rounded up to the nearest decimal point.

GPA credits are the credits of courses with grades that are assigned grade points.

$$\text{GPA} = \frac{\sum (\text{course credit} \times \text{grade points})}{\sum (\text{GPA course credits})}$$

The *term grade point average* (TGPA) is the GPA for a given term calculated using all the applicable courses at the same level in that term. The *cumulative grade point average* (CGPA) is the GPA calculated using your entire record of applicable courses at McGill at the same level; if you change levels, e.g., from undergraduate to graduate, the CGPA starts again.



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

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

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

### Other Grades:

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

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

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



### Other Grades:

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

**K — incomplete;** deadline extended for submission of work in a course or for the completion of a program requirement such as a Ph.D. language examination (maximum four months). (Need a K contract signed.)

**KF — incomplete/failed;** failed to meet the extended deadline for submission of work in a course or for the completion of a program requirement; calculated as a failure in TGPA and CGPA.

**KK — completion requirement waived.** Not calculated in TGPA or CGPA. This is used in exceptional cases only, with the approval of the Director of Graduate and Postdoctoral Studies. Not calculated in TGPA or CGPA.

**KE or K\* — further extension** granted with the approval of the Director of Graduate and Postdoctoral Studies (maximum two years.) (Need a K contract signed.)

**L — deferred;** for students whose final examinations or papers have been deferred, for reasons such as illness, at the time of the examination. Deferrals will not be granted for reasons such as early plane bookings. The “L” grade must be cleared as soon as possible (maximum four months). A dated medical certificate or appropriate document recommending a deferral must be submitted to Graduate and Postdoctoral Studies with a departmental recommendation for a deferral **before or immediately after** the examination. In particular, such recommendations will not be considered if medical reasons are brought forth after a grade is assigned. By commencing to write any examination, the student waives the right to plead medical causes for deferral or permission

**Revision, August 2011. End of Revision.**

---

## 2.11 Verification of Student Records: Unofficial Transcripts

Subject to [section 2.13: Changes to Student Records after Normal Deadlines](#), you are responsible for verifying your academic record on Minerva ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)) using the unofficial transcript to ensure that you are registered in the proper courses, and that the correct program information and expected term of graduation appear on your record.

If you are graduating, verify your record on Minerva before the end of your final term to ensure that the correct expected graduation term appears on your unofficial transcript; if not, you may be overlooked for graduation. You should direct any questions or problems with your record to your Student Affairs Office.



**Note for the Faculties of Arts and Science (including B.A. & Sc.):** Requests are made at the *Service Point* (3415 McTavish Street). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see [www.mcgill.ca/students/advising](http://www.mcgill.ca/students/advising).

**Revision, August 2011. Start of Revision.**



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

**Revision, August 2011. End of Revision.**

---

## 2.12 Verification of Student Records: Degree Evaluation

*Degree Evaluation* is a Minerva tool to help students and advisers compare the student's academic record with the requirements of a specific program. If you have access to Degree Evaluation on Minerva under the *Student Records Menu* ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)) you can review your progress within your current program. Also, if you are considering a program change, you can generate a "what-if" comparison of your academic record with the requirements of another program.

The presentation in the Degree Evaluation Report may have a different appearance than the requirements listed in this publication. For example, a long listing of courses may be grouped into one course "attribute" on the Minerva report.

Degree Evaluation also provides a central record of adviser/faculty-approved adjustments to your program of study (e.g., the replacement of one specified course with another or acceptance of a non-McGill course for credit).

Please note that Degree Evaluation is an advising tool only. A Degree Evaluation Report that indicates program requirements have been satisfied does NOT constitute approval to graduate.

For details regarding Degree Evaluation, including *Reading a Degree Evaluation Report*, see [www.mcgill.ca/students/courses/plan/evaluation](http://www.mcgill.ca/students/courses/plan/evaluation).

---

## 2.13 Changes to Student Records after Normal Deadlines

### 2.13.1 Student Record Changes

Student record changes include the following: course add or course drop, course withdrawal, university withdrawal, program change (including changing majors, minors or concentrations).

### 2.13.2 Registrar Deadlines

Fall term - January 31

Winter term - June 1

Summer term - October 1

### 2.13.3 Before Registrar Deadlines

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

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** Requests are made at the *Service Point* (3415 McTavish). Howeverwe

## 2.15 Language Policy

The main language of instruction at McGill is English. You have the right to write essays, examinations, and theses in English or in French except in courses where knowledge of a language is one of the objectives of the course.

### Revision, June 2011. Start of revision.

If you need to improve your English skills, you should take an intensive course in English as a second language before or at the start of your studies. Information concerning second-language course offerings can be found through the School of Continuing Studies at [www.mcgill.ca/conted/langprg](http://www.mcgill.ca/conted/langprg) and the French Language Centre at [www.mcgill.ca/flc](http://www.mcgill.ca/flc), and in the *Summer Studies* and *School of Continuing Studies* publications. There are special language requirements for Faculty of Education students; see the *Faculty of Education* publication.



**Note for Continuing Studies:** For English Language programs, see *School of Continuing Studies > Areas of Study > Languages > : English and French Language Programs – English Language Programs*.

### Revision, June 2011. End of revision.

### Revision, August 2011. Start of revision.



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



**Note for Graduate and Postdoctoral Studies:** You should refer to *Graduate and Postdoctoral Studies General Information and Regulations > Registration > Courses Taken as Extra to a Program > : Courses Taken as Extra to a Program*.

### Revision, August 2011. End of revision.

---

## 2.16 University Student Assessment Policy

### Revision, August 2011. Start of revision.

The purpose of the *University Student Assessment Policy* is to bring together into a single document all the disparate policies with regard to all types of student assessments. This policy is meant to protect you from excessive workloads, and to ensure that all students are treated equally.

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

You can consult the policy at [www.mcgill.ca/secretariat/policies/students](http://www.mcgill.ca/secretariat/policies/students).

### Revision, August 2011. End of revision.

---

## 2.17 Regulations Concerning Theses

The thesis submission guidelines contain important information regarding procedures and deadlines. Students who are in the process of writing a thesis must consult these thesis submission guidelines in order to adhere to University regulations concerning the submission of a thesis. Thesis submission guidelines and all the forms required for thesis submission are posted on the web at [www.mcgill.ca/gps/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

Forms and guidelines are updated as procedures change. Students should keep informed of these changes by referring to the website.

Dates of submission of theses, convocations, etc., are available at [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

---

## 2.18 Graduation

In order to graduate, you must complete faculty and program requirements. **It is your responsibility to meet all faculty and program requirements before graduation.**

At the time of graduation from an undergraduate degree, you must be in Satisfactory standing with a minimum CGPA of 2.00.

You should contact your adviser (Music students should contact the Senior Student Adviser; graduate students should contact the Graduate Program Director) early in the graduating year to make sure you will meet your program requirements by graduation time. For contact information on advisers, see [www.mcgill.ca/students/advising/advisordirectory](http://www.mcgill.ca/students/advising/advisordirectory).

### Minimum Residency Requirement

The total number of McGill credits required to graduate is known as the minimum residency requirement. You must successfully complete a minimum of 60 McGill credits in order to obtain a McGill undergraduate degree. Some programs have specific requirements on the type of credits that must be completed at McGill. For example, two thirds of all program requirements must be completed at McGill. For specific information refer to your faculty section of this publication.

Students completing a second undergraduate degree at McGill must successfully complete a minimum of 60 McGill credits to obtain their degree. You should check with your Faculty adviser for an

## 2.18.2 Graduation Approval Query

As a graduating student, you can view the status of your graduation record on Minerva ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)) during the Faculty review and approval process (go to *Student Records > Graduation Approval Query*). The *Graduation Approval Query* form becomes available to graduating students approximately three to four weeks before the *Degree Granted* notation is updated on their records.

If you have met all requirements for graduation, your student record on Minerva will display the *Degree Granted* notation at the appropriate time:

- Late February, for Fall term graduation (Convocation in Spring).
- Late May, for Winter term graduation (Conv

been unable to complete their degree due to special circumstances. Information on this degree designation is included only in the convocation program, and not on the transcript.

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

---

## **2.20 Policy Concerning Access to Records**

The University sends statements of account and all other correspondence directly to students. You retain full control over who has access to your records or accounts; however, officers and members of the University staff also have access to relevant parts of your records for recognized and legitimate use. The University does not send progress reports or any other information to your parents and/or sponsors unless you specifically request it in writing.

In accordance with Quebec's *Act Respecting Access to Documents held by Public Bodies and the Protection of Personal Information* (the "Access Act"), personal information, including transcripts of academic records, may be released only with the student's authorization. When you apply to McGill, you authorize the University to release certain personal information (name, address, telephone number, email address, date of birth, program and student status) to specific persons and bodies.

The following persons and bodies are included in your information release authorization:

- 1.** Libraries of other Quebec universities with which McGill has reciprocal borrowing agreements (ID number and bar code may also be disclosed to those libraries).
- 2.** *Ministère de l'Immigration et des Communautés culturelles* and/or the *Régie de l'assurance-maladie du Québec* and the *Ministère de l'Éducation*

The University sends official transcripts directly to the addresses provided by the student. If you intend to deliver the transcript to another institution yourself, you can request to receive it in a sealed envelope.

Requests are normally processed in 24 to 48 hours; transcripts requested at peak times and for pre-1976 records take longer.

Enrolment Services is not responsible for transcripts that are lost or delayed in the mail.

The University issues only complete transcripts that record all attempted work and final results obtained in any and all programs. Under no circumstances does the University issue partial transcripts.

Official transcripts are NOT issued for students registered on or after September 2001 who have failed to provide the information and/or documents necessary to obtain or verify their Permanent Code.

Transcripts are not issued if you owe fees or fines over \$30.

The University prints official transcripts on secure paper that cannot be copied.

Requests for official transcripts must be submitted on Minerva. For more information, refer to [section 2.22: Transcript of Academic Record: Official Transcripts](#).

---

## **2.24 Transcript of Academic Record: Course Numbering on the Transcript**

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







**Note 1:** You may alternatively provide your Quebec baptismal certificate if it was issued **prior to January 1, 1994**, and clearly shows where you were born and that your baptism in Quebec occurred no more than four months after your date of birth.



**Note 2:** Your signed Permanent Code Data Form is usually required. If the names of your parents appear on your birth certificate, or if you have already provided McGill with your Permanent Code, you do not need to supply this form.



**Note 3:** Your valid Canadian Permanent Resident status can be proved by a copy of your Canadian Confirmation of Permanent Residence (IMM 5292) document or with your Canadian Permanent Resident card (copy of both sides required). Alternatively, you may provide your Immigration Record of Landing (IMM 1000) document. Note that McGill reserves the right to ask you for copies of both your PR card and your IMM document.



**Note 4:** If you are a refugee, your Convention Refugee status document is required instead of a Study Permit.



**Note 5:** Usually McGill needs your birth certificate to prove your place of birth in Quebec. If you already have a valid Quebec Permanent Code, McGill will accept a copy of your valid Canadian passport that indicates your birth place as being within the province of Quebec, as proof that you qualify for Quebec residency.



**Note 6:** You can find links to download and print the Permanent Code Data and Attestation of Quebec Residency forms at [www.mcgill.ca/legaldocuments/forms](http://www.mcgill.ca/legaldocuments/forms).

### 2.27.1 Fee Exemptions

#### Revision, June 2011. Start of revision.

Students in certain categories may be eligible to claim an exemption from the international rate of tuition fees according to the regulations set by the Quebec *Ministère de l'Éducation, du Loisir et du Sport* (MELS). These exemptions lower your fees to the Quebec rate of tuition. A list of categories and the required application form are available at [www.mcgill.ca/legaldocuments](http://www.mcgill.ca/legaldocuments).

#### Revision, June 2011. End of revision.

---

## 2.28 Legal Documents: Has McGill Received Your Documents?

### 2.28.1 Quebec/Canadian/International Fees

Once McGill has received your documents, it usually takes one week to process them and update your file accordingly.

- Check your tuition status on the Minerva ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)) Student Accounts menu: *Student Menu > Student Accounts Menu > View your Tuition and Legal Status*.
- Check the phrase: *Fees currently calculated according to rules for...* This will tell you if your tuition status is currently being billed at the international rate, the Canadian rate, or at the Quebec rate. For information on fees, see [www.mcgill.ca/student-accounts](http://www.mcgill.ca/student-accounts).
- Electronic billing is the official means of delivering fee statements to all students; you may view your e-bill on Minerva. For more information, see the following website: [www.mcgill.ca/student-accounts](http://www.mcgill.ca/student-accounts).

If you need information, see the

If we are missing the required legal documents, a hold will be added to your record preventing you from registering or dropping any courses, and from obtaining your official transcript.

International students who have not provided their valid immigration documents to McGill may be de-registered.

If your tuition status is changed and your fees are reduced as a result of the document review process, McGill will waive the difference on any accumulated late payment or interest charges.

---

## **2.30 Legal Documents: Where Do I Send my Documents?**

You must send in all your documents after you have been accepted to McGill but before

514-398-2650

If there is a problem with your documents, contact Client Services at:

**Telephone:** 514-398-6200

**Email:** [info.conted@mcgill.ca](mailto:info.conted@mcgill.ca); [legaldocuments.conted@mcgill.ca](mailto:legaldocuments.conted@mcgill.ca)

---

## 2.31 Identification (ID) Cards

As a student registered at McGill you are required to present an ID card to:

- write examinations.
- use libraries and student services, including certain laboratories.
- access residence buildings.

To receive your ID card you must be a registered student, while also providing your Permanent Code information and proof of legal status in Canada (for a list of acceptable documents, see [section 2.27: Legal Documents: What Documents Does McGill Need from You?](#)).

**ID cards will not be issued if any of your legal documents are missing.**

The Student Identification Card is the property of the University, for use by the cardholder only, and is not transferable. If you withdraw from all of your courses, you must attach your ID card to the withdrawal form or return it to Enrolment Services (or the Faculty of Agricultural and Environmental Sciences, Student Affairs Office, Macdonald Campus).

- New students must be registered for at least one course to obtain an ID card.
- You must allow at least three hours after you have registered before applying for your ID card.
- If you do not register for consecutive terms you should retain your ID card to avoid having to replace it when you re-register.
- If your card has expired there is no charge for a replacement as long as you hand in the ID card.
- If you change programs or faculties there is no charge as long as you hand in the ID card.
- If your card has been lost, stolen or damaged, there is a \$25 replacement fee.
- If you need security access to labs or other facilities, see [www.mcgill.ca/security/services/access](http://www.mcgill.ca/security/services/access).

### 2.31.1 ID Card Schedule for the Downtown Campus:

The locations and opening hours of ID card centres can be found on the Student Information website at [www.mcgill.ca/students](http://www.mcgill.ca/students).

**Revision, June 2011: Start of Revision.**

- **Quebec CEGEP students** can obtain their ID cards as of June 9, 2011.
- **Canadian and International students** can obtain their ID cards as of July 27, 2011.

**Revision, June 2011: End of Revision.**

### 2.31.2 ID Card Schedule for the Macdonald Campus:

Students can obtain an ID card from:

**Revision, June 2011: Start of Revision.**

Student Affairs Office, Room 106, Laird Hall

**Office hours:**

Monday through Friday – 9:00 a.m. to 4:00 p.m.

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

Closed for the statutory holidays of Friday June 24, and Friday July 1.

**Revision, June 2011: End of Revision.**

- **Quebec CEGEP students (newly registered)** can obtain their ID cards as of June 9, 2011.
- **Canadian and International Students**

**Note for Continuing Studies: Y**

Email sent to your McGill Email Address is an official means of communication between McGill University and its students. As with all official University communications, it is your responsibility to ensure you read and act upon University emails in a timely fashion. If you choose to forward University email to another email mailbox, it is your responsibility to ensure that the alternate email mailbox is valid.

You should read and familiarize yourself with the

---

## **2.40 Health Professions - Immunization Requirement**

A compulsory immunization program exists at McGill for students in the health professions (including Dietetics), as well as the School of Social Work. If you are a new student in those programs, you must complete the immunization program well before classes begin. You can find further information at [www.mcgill.ca/studenthealth/forms](http://www.mcgill.ca/studenthealth/forms) or by calling the Student Health Service at 514-398-6017.

---

## **2.41 Health Insurance – International Students**

By Senate re

Students not charged during the Fall term for insurance fees can choose to enrol directly at the PGSS office during the January adjustment period. For details on what is covered by this plan as well as opt-out procedures, please refer to the information contained at <http://pgss.mcgill.ca>.

## Revision, August 2011. End of Revision.

---

### 2.43 Special Medical Needs

If you have special medical needs, have your physician submit appropriate information, on a confidential basis, directly to the Student Health Service; see [section 3.2: Student Services – Downtown Campus \(www.mcgill.ca/studenthealth/clinic\)](#) for contact information on the Downtown Campus, and see [www.mcgill.ca/macdonald-studentservices/our-services/student-health-service](http://www.mcgill.ca/macdonald-studentservices/our-services/student-health-service) for Macdonald Campus.

---

### 2.44 Minerva

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

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

For information on logging-in to the Minerva website, visit our IT Services website at [www.mcgill.ca/it](http://www.mcgill.ca/it) and select **Logins and Passwords**.

---

### 2.45 myMcGill

McGill's portal, myMcGill, gives students and staff a personalized interface to the University's information systems.

myMcGill is a collection of useful links and offers an integrated web experience with a single sign-on (SSO) to several McGill web systems. This allows you to access multiple McGill systems without being prompted for additional logins.

Systems that you can access through the portal are:

- Athletics
- Classroom A/V
- Exchange (email)
- Famis
- Gateway ([www.mcgill.ca](http://www.mcgill.ca))
- InfoEd
- Library
- Minerva
- myCourses (WebCT)
- myFuture
- myLab



To log into *myMcGill*, click the *myMcGill* tab at the top-right corner of the McGill homepage ([www.mcgill.ca](http://www.mcgill.ca)) or go to <https://my.mcgill.ca>.

---

## 2.46 Service Point

Service Point has brought together newly-integrated, front-line Undergraduate and Graduate student administrative services. Located on the ground floor of the McLennan Library Building in the heart of the downtown campus, Service Point will address a wide variety of students' needs.

Among the many services offered at Service Point for Undergraduate & Graduate students:

- certified or translated copies of diplomas
- degree verification
- help with admissions
- help with Minerva
- international health insurance cards & exemptions
- McGill ID cards
- official transcript pick-up
- replacement diplomas
- student exchanges/study abroad
- submitting legal documents
- tuition & fees info
- pick-up of alternative US Loans

Arts or Science students will also be able to inquire about:

- course & program registration
- exams (including deferred and supplemental)

For a complete list of student services and resources at McGill, see [www.mcgill.ca/students](http://www.mcgill.ca/students).

For more information about Service Point, see [www.mcgill.ca/students/servicepoint](http://www.mcgill.ca/students/servicepoint).

### **3.1.1 Support for Students: Office of the Dean of Students**

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

William and Mary Brown Student Services Building  
3600 McTavish Street, Suite 4100  
Montreal, QC H3A 1Y2

For information, contact (Dean/Associate Dean):

Telephone: 514-398-4990  
Email: [deanofstudents@mcgill.ca](mailto:deanofstudents@mcgill.ca)  
Website: [www.mcgill.ca/deanofstudents](http://www.mcgill.ca/deanofstudents)

### **3.1.2 Office of the Executive Director, Services for Students**

William and Mary Brown Student Services Building  
3600 McTavish Street, Suite 4100  
Montreal, QC H3A 1Y2

For information, contact:

Telephone: 514-398-3825  
Website: [www.mcgill.ca/studentsservices](http://www.mcgill.ca/studentsservices)

Telephone: 514-398-3601  
Email: [counselling.service@mcgill.ca](mailto:counselling.service@mcgill.ca)  
Website: [www.mcgill.ca/counselling](http://www.mcgill.ca/counselling)

**First Peoples' House:** Fosters a sense of community for Aboriginal students studying at McGill.

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

**First-Year Office:** Helps ease the transition of all students new to McGill. Coordinates "Discover McGill," a one-day, campus-wide University and faculty orientation.

Brown Student Services Building, Suite 2100  
Telephone: 514-398-6913  
Email: [firstyear@mcgill.ca](mailto:firstyear@mcgill.ca)  
Website: [www.mcgill.ca/firstyear](http://www.mcgill.ca/firstyear)

**Health Services and Dental Clinic:** Provides access to experienced physicians, nurses and health educators who of 0 1 Bne-io.9f1th educators wu Bneo1 0 0 1 81.693

---

### **3.3 Student Services – Macdonald Campus**

Student Services at the Macdonald Campus offers a range of non-academic services. All Student Services, whether at the Macdonald or Downtown campus, fall under the direction of the Office of the Executive Director, Services for Students. For detailed information, please visit our website at [www.mcgill.ca/macdonald-studentservices](http://www.mcgill.ca/macdonald-studentservices), and the main Student Services website: [www](http://www)

### **3.4.1 Graduate Housing – Downtown**

Graduate Housing  
Student Housing Office, Room 7  
3641 University Street  
Montreal, QC H3A 2B3  
Telephone: 514-398-6050  
Fax: 514-398-4457  
Email:









#### **4.2.2 International Students**

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

#### **MIDAs Program**

The MIDAs program is being phased out in favour of a graduate funding mechanism that allows for the dev

#### **4.4.3 Student Society Fees**

Student Society fees are collected on behalf of student organizations and are compulsory. These fees must be approved by the student body through fee referenda according to the constitutional rules of the association or society. Students vote on changes to Student Society fees during the Spring referendum period. Graduate Students with the following classifications: Full-time, Additional Session, Non-thesis Extension, or Thesis Evaluation are covered by the PGSS Health and Dental Plan. Postdoctoral candidates are also covered. International students are charged only the Dental portion of the plan as they are



**Other Fees**

Returned cheque or Pre-Authorized Debit payment \*\*

\*\* Please note that the \$35 fee for returned cheques 8 554.027 1587 1 554.027 1587 1T\*\*

---

---

---

#### 4.7 Billings and Due Dates

##### **Confirmation of Acceptance Deposit**

In certain graduate departments, you are required to make a deposit on tuition shortly after receiving notice of your acceptance to the University. You will be required to confirm your acceptance of the offer of admission on [www.mcgill.ca/applying/knowningstatus](http://www.mcgill.ca/applying/knowningstatus)

#### 4.8.1 Fee Refund Deadlines

The deadline dates for course refunds are independent of the deadline dates given for withdrawal from courses.

##### Revision, August 2011. Start of revision.



**Note for Graduate and Postdoctoral Studies:** See the [section 2.2.3: Summer Registration](#) section of the *Graduate and Postdoctoral Studies Programs, Courses and University Regulations* publication for information about fee refund after withdrawal from a Summer Term of Residence for newly-admitted graduate students only.

#### **4.9.1 Information for Registered Students**

If you register for a term but still owe amounts from previous terms, you must either pay your account or make payment arrangements with the Student Accounts Office before the end of the course add/drop period. If you have financial difficulty, first contact the Student Aid Office (Brown Student Services Building, Room 3200; 514-398-6013) to discuss the possibility of obtaining financial aid.

If you fail to pay the previous term's fees or to make arrangements to settle your debt prior to the add/drop deadline, the University will cancel your registration in the current and subsequent terms.

#### **4.9.2 Information for Students who are No Longer Registered**

When students fail to settle their debt or reach a suitable payment arrangement, or fail to provide the Student Accounts Office with up-to-date contact information, the University refers these delinquent accounts to a collection agency. **If neither the University nor the collection agency is able to collect on the account, the University reserves the right to have the student reported to a credit bureau.** You should be aware that the Univ

---



September for the Fall term or January for the Winter term. Interest will be assessed at the prevailing rate on outstanding amounts beyond the deferral deadline.

---

#### **4.19 Other Information: Payment Procedures**

Please see the Student Accounts website at [www.mcgill.ca/student-accounts](http://www.mcgill.ca/student-accounts) for the various methods of payment av

Alth6h..361 Tw0 G0agBTfning G0rs v

([www.mccord-museum.qc.ca](http://www.mccord-museum.qc.ca)) features award-winning virtual exhibitions, innovative learning resources and a vast, searchable database of information on the Museum's collections.

Exhibitions at the McCord provide innovative interpretations of the social and cultural history of Montreal, Quebec and Canada. In addition to guided tours, school programs, cultural activities and lectures, the McCord offers a range of services including the Museum Café and boutique.

Researchers are welcome by appointment.

690 Sherbrooke Street West

Telephone: 514-398-7100

Email: [info@mccord.mcgill.ca](mailto:info@mccord.mcgill.ca)

Website: [www.mccord-museum.qc.ca](http://www.mccord-museum.qc.ca)

---

**Resources for Study and Research: Lyman Entomological Museum and Research Lab1oeplr**

---

---

## 11.5 Online Student Directory

You can opt in to the student directory and make it easier for your fellow classmates to contact you. Find more on this service at [www.mcgill.ca/directory/students](http://www.mcgill.ca/directory/students).

---

## 11.6 Getting Connected

You will need to use your McGill Username and McGill Password to access the services listed below. You can find more details on these services at [www.mcgill.ca/it](http://www.mcgill.ca/it):

**Wireless:** Access the Internet using your laptop or other mobile device from virtually anywhere on campus, through the McGill Wireless network. Log in to the Wireless network using your McGill Username and McGill Password.

**Virtual Private Network (VPN):** If you connect to the Internet with an Internet Service Provider (ISP), you need to establish a VPN connection to access McGill restricted sites and resources (e.g., Library databases). Connect by VPN using your McGill Username and McGill Password.

---

## 12 The McGill Writing Centre

The McGill Writing Centre (MWC) offers credit courses in academic writing for both native and non-native speakers of English. In addition to its credit course offerings, the MWC offers workshops, seminars, and tutorials. For further information, please visit the MWC website: [www.mcgill.ca/mwc](http://www.mcgill.ca/mwc).

Courses coded as CEAP (for native speakers of English) and CESL (for non-native speakers of English) may be taken to fulfil language requirements or as electives in some degree programs. In some faculties, you need to obtain approval.

The McGill Writing Centre  
McLennan-Redpath Library  
Redpath Main, Room #02  
3459 McTavish Street  
Montreal, Quebec  
H3A 1Y1

Telephone: 514-398-7109  
F

“McGill University”. Even after the amended charter was granted, little advance was made until 1855 when William Dawson was appointed Principal. When he retired 38 years later, McGill had over 1,000 students and Molson Hall (at the west end of the Arts Building), the Redpath Museum, the Redpath Library, the Macdonald Buildings for Engineering and Physics, and a fine suite of medical buildings had been erected.

Since then the University has continued to grow vigorously. In 1884 the first women students were admitted and in 1899 the Royal Victoria College was opened, a gift of Lord Strathcona, to provide separate teaching and residential facilities for women students. Gradually, however, classes for men and women were merged.

In 1905 Sir William Macdonald established Macdonald College at Sainte-Anne-de-Bellevue, as a residential college for Agriculture, Household Science, and the School for Teachers. Those components have since become the Faculty of Agricultural and Environmental Sciences, which includes the School of Dietetics and Human Nutrition, on the Macdonald Campus, and the Faculty of Education, located on the downtown campus. The University's general development has been greatly facilitated by the generosity of many benefactors, and particularly by the support of its graduates, as regular public funding for general and capital expenditures did not become available until the early 1950s. Since that time government grants have become a major factor in the University's financial operations, but it still relies on private support and private donors in its pursuit of excellence in teaching and research.

The University now comprises 11 faculties and 10 schools. At present over 32,000 students are taking credit courses; one in four is registered in Graduate Studies.

**Revision, June 2011. Start of revision.**

The University is also active in providing courses and programs to the community through the School of Continuing Studies.

**Revision, June 2011. End of revision.**

---

## 13.2 Incorporated and Affiliated Colleges

### 13.2.1 Incorporated College

#### Royal Victoria College

3425 University Street, Montreal, QC H3A 2A8

**Revision, June 2011. Start of revision.**

The Royal Victoria College, a non-teaching college of McGill University, provides residential accommodation for both men and women in a co-education environment.

**Revision, June 2011. End of revision.**

### 13.2.2 Affiliated Theological Colleges

#### Montreal Diocesan Theological College

3473 University Street, Montreal, QC H3A 2A8

Principal: J. M. Simons; B.A.(Bishop's), S.T.B.(Trin. Coll. (Tor.)), Ph.D.(G'town)

#### Presbyterian College of Montreal

3495 University Street, Montreal, QC H3A 2A8

Principal: J. Vissers; B.A.(Tor.), M.Div.(Knox, 621.64 Tm(v)T352303j1 0 0 1 174h6 620 G0 gBT/F3 8.1 TS 1 126.626 Tm(esbyee341.2 114.866 201.00 1 210.673



---

### **13.3 University Government**

McGill University is a corporation created by a Royal Charter granted by the Crown of the United Kingdom, a general supervisory power being retained by the Crown and exercised through the Go

Darren Entwistle; B.Econ.(C'dia), M.B.A.(McG.)

Medical Residents or Postdoctoral Scholars Group (1)

Student Members (19)

**Revision, August 2011.**

## 14 Agricultural and Environmental Sciences

### 14.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill 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 central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. 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*

### 14.2 Graduate and Postdoctoral Studies

#### 14.2.1 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 Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)

**Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)**

Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.

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

Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)

**Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)**

Shari Baum; B.A.(C'neil), M.Sc.(Vermont), Ph.D.(Brown)

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

Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)

**Director (Graduate and Postdoctoral Affairs)**

Lissa B. Matyas; B.F.A., M.Sc.(C'dia)

**Director (Recruitment and Retention)**

#### 14.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5

Telephone: 514-398-3990

Fax: 514-398-1626

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

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

**Note:** For inquiries reg

**Arts**

*section 15.11.20: Political Science*

*section 15.11.21: Psychology*

*section 15.11.23: Russian and Slavic Studies*

*section 15.11.24: Social Studies of Medicine*

*section 15.11.25: Social Work*

*section 15.11.26: Sociology*

**Dentistry**

*section 16.11.1: Dentistry*

**Desautels Faculty of Management**

*section 17.11: Desautels Faculty of Management*

**Education**

*section 18.11.1: Educational and Counselling Psychology*

*section 18.11.2: Information Studies*

*section 18.11.3: Integrated Studies in Education*

*section 18.11.4: Kinesiology and Physical Education*

**Engineering**

*section 19.11.1: Architecture*

*section 19.11.2: Chemical Engineering*

*section 19.11.3: Civil Engineering and Applied Mechanics*

*section 19.11.4: Electrical and Computer Engineering*

*section 19.11.5: Mechanical Engineering*

*section 19.11.6: Mining and Materials Engineering*

*section 19.11.7: Urban Planning*

**Law**

*section 20.11.1: Law*

**McGill School of Environment**

*section 21.11.1: Environment*

**Medicine**

*section 22.11.1: Anatomy and Cell Biology*

*section 22.11.2: Biochemistry*

*section 22.11.3: Bioethics*

*section 22.11.4: Biomedical Engineering*

*section 22.11.5: Communication Sciences and Disorders*

*section 22.11.6: Epidemiology and Biostatistics*

Experimental Medicine, see *section 22.11.10: Medicine, Experimental*

*section 22.11.8: Human Genetics*

*section 22.11.9: Medical Physics*

**Medicine**

*section 22.11.11: Microbiology and Immunology*  
*section 22.11.12: Neuroscience (Integrated Program in)*  
*section 23.11.1: Nursing*  
*section 22.11.13: Occupational Health*  
*section 22.11.14: Otolaryngology – Head and Neck Surgery*  
*section 22.11.15: Pathology*  
*section 22.11.16: Pharmacology and Therapeutics*  
*section 24.11.1: Physical and Occupational Therapy*  
*section 22.11.17: Physiology*  
*section 22.11.18: Psychiatry*  
*section 22.11.19: Surgical Research*

**Religious Studies**

*section 25.11.1: Religious Studies*

**Schulich School of Music**

*section 26.11.1: Schulich School of Music*

**Science**

*section 27.11.1: Atmospheric and Oceanic Sciences*  
*section 27.11.2: Biology*  
*section 27.11.3: Chemistry*  
*section 27.11.4: Computer Science*  
*section 27.11.5: Earth and Planetary Sciences*  
*section 15.11.9: Geography*  
*section 15.11.18: Mathematics and Statistics*  
*section 27.11.8: Physics*  
*section 15.11.21: Psychology*

**14.4.1 Graduate Diplomas and Certificates**

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

**Graduate Diplomas are offered in:**

Clinical Research (Experimental Medicine)	Primary Care Nurse Practitioner
Epidemiology and Biostatistics	Professional Performance
Islamic Studies	Public Accountancy (C.A.)
Library and Information Studies	Registered Dietician Credentialing (R.D.)
Mining Engineering	School and Applied Child Psychology (post-Ph.D.)
Nursing	Surgical Health Care Research

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

**Graduate Certificates are offered in:**

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

All graduate regulations apply to graduate diploma and certificate candidates.

**14.4.2 Master's Degrees**

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

**The following master's degrees are offered (see below for more information about sub-specializations):****Prerequisites:**

Master of Architecture (M.Arch)	M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.
Master of Arts (M.A.)	Bachelor of Arts in the subject selected for graduate work. See appropriate unit.
Master of Business Administration (M.B.A.)	An undergraduate degree from an approved university. See Management.
Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See Management.
Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)	See Management.
Master of Manufacturing Management (M.M.M.)	See Management.
Master of Education (M.Ed.)	A 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 Law.
Master of Library and Information Studies (M.L.I.S.)	At least a bachelor's degree from a recognized university. See Library and Information Studies.
Master of Management (M.M.)	See Management.
Master of Music (M.Mus.)	Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.
Master of Sacred Theology (S.T.M.)	B.A. with specialization in religious studies or theology. See Religious Studies.
Master of Science (M.Sc.)	Bachelor of Science in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (M.Sc.A.)	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (OT) (M.Sc.A. (OT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (PT) (M.Sc.A. (PT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Social Work (M.S.W.)	Bachelor's degree in Social Work including courses in statistics and social science research methods. See Social Work.
Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See School of Social Work.
Master of Urban Planning (M.U.P.)	Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.

**Master of Architecture Degrees**



M.Arch. programs offered:

Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)  
Kinesiology and Physical Education (Thesis and Non-Thesis)  
Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)  
Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

## **Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

Agricultural Economics

Animal Science

Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment

Biochemistry; options in Bioinformatics, and Chemical Biology

Biology; options in Bioinformatics, Environment, and Neotropical Environment

Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment

Cell Biology and Anatomy

Chemical Engineering

Chemistry; option in Chemical Biology

Ci0 1 154.239 7 ingy

Occupational Health  
Occupational Therapy  
Plant Science  
Physical Therapy

Other degrees:

Civil Engineering and Applied Mechanics  
 Classics  
 Communication Studies; option in Gender and Women's Studies  
 Communication Sciences and Disorders; option in Language Acquisition  
 Computer Science; option in Bioinformatics  
 Counselling Psychology  
 Earth and Planetary Sciences; option in Environment  
 Economics  
 Educational Psychology  
 Educational Studies; option in Gender and Women's Studies  
 Electrical Engineering  
 English  
 Entomology; options in Environment, and Neotropical Environment  
 Epidemiology and Biostatistics  
 Food Science and Agricultural Chemistry  
 French; option in Gender and Women's Studies  
 Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment  
 German  
 Hispanic Studies  
 History  
 Human Genetics; option in Bioinformatics  
 Human Nutrition  
 Information Studies  
 Islamic Studies; option in Gender and Women's Studies  
 Linguistics; option in Language Acquisition  
 Management  
 Mathematics and Statistics; option in Bioinformatics  
 Mechanical Engineering  
 Medicine, Experimental; option in Environment  
 Microbiology and Immunology  
 Microbiology (Macdonald Campus); options in Bioinformatics, and Environment  
 Mining and Materials Engineering  
 Music; option in Gender and Women's Studies  
 Neuroscience  
 Nursing; option in Psychosocial Oncology  
 Occupational Health Sciences  
 Parasitology; options in Bioinformatics, and Environment  
 Pathology  
 Pharmacology and Therapeutics; option in Chemical Biology  
 Philosophy; options in Environment, and Gender and Women's Studies  
 Physics  
 Physiology; option in Bioinformatics  
 Plant Science; options in Bioinformatics, Environment, and Neotropical Environment  
 Political Science  
 Psychology; options in Language Acquisition, and Psychosocial Oncology  
 Rehabilitation Science  
 Religious Studies; option in Gender and Women's Studies  
 Renewable Resources; options in Environment, and Neotropical Environment  
 Russian  
 School/Applied Child Psychology  
 Social Work  
 Sociology; options in Environment, and Gender and Women's Studies  
 Surgery, Experimental

The following joint Ph.D. programs are offered:

Nursing (McGill/Université de Montréal)  
 Management (McGill/Concordia/H.E.C./UQAM)  
 Social Work (McGill/Université de Montréal)

#### 14.4.4 Postdoctoral Research

See [section 14.8: Postdoctoral Research](#) for information about postdoctoral research at McGill University.

---

### 14.5 Program Requirements

#### 14.5.1 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**

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 "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 by Graduate and Postdoctoral Studies, 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 is aidenc

including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document "Procedures for Admission in *Ad Hoc* Master's and Doctoral Programs", available from GPS.

#### **14.5.4 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 *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer its own graduate programs, may be admitted to an *Ad Personam* program. The regulations are fully described in a document available from GPS.

#### **14.5.5 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/staff/registration](http://www.mcgill.ca/gps/staff/registration).

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 studies must be approved by GPS before registration. Double counting is not permitted.





7. McGill Certificate of Proficiency in English or McGill Certificate of Proficiency - English for Professional Communication: Certificate of Proficiency awarded. McGill Certificate of Proficiency in English or McGill Certificate of Proficiency - English for Professional Communication: Certificate of Proficiency awarded.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that c

## 14.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students' Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

### 1. Definition and Status

i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are 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 Graduate and Postdoctoral Studies. 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 re

x. Access to student services and athletic services are av



### 14.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

#### 1. Assignment of Advisers, Supervisors, and Committees

i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

#### 2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

**v. There must be clear procedures established in every unit by which students receive guidance and constructiv**

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v.



Please note this new University policy is **MANDATORY**. Students may grieve ag

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

**Assessment, Grading and Reporting**

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, "to consult any written submission for which they have received a mark and to discuss this submission with the examiner". Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

### **Verification**

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

### **Rereads**

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

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

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

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

(Note: Material that is returned to a student **cannot be reread** unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.)

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee (\$35 for an exam, \$35 for a paper, \$35 for one or more assignments, to a maximum of \$105 per course) will be charged.

Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a **leave of absence for health reasons**, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

*Council of FGSR, March 1999*

**Please refer to *University Regulations and Resources > Graduate > Regulations > [section 2.1.11: Leave of Absence Status](#) for information regarding registration of graduate students and Postdocs on such leaves.***

**Procedure:**

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed *Leave of Absence/Non-Resident Request Form* available from [www.mcgill.ca/gps/staff/registration](http://www.mcgill.ca/gps/staff/registration);
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

#### **14.9.7 Failure Policy**

Please refer to *University Regulations and Resources > Graduate > Regulations > [section 2.14: Failure Policy](#) for information regarding the policy and procedures to follow in cases of failure.*

#### **14.9.8 Guideline on Hours of Work**

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.



### Associate Professors

J.C. Henning; B.Sc., Ph.D.(Guelph)

P.J. Thomassin; B.Sc.(McG.), M.S., Ph.D.(Hawaii Pac.)

### Assistant Professor

N. Kosoy; B.Sc.(Univ. Simon Bolivar), M.Sc.(Univ. of Kent, Univ. Autonoma de Barcelona), Ph.D.(Univ. Autonoma de Barcelona); Ecological Economics

A. Naseem; B.Sc.(McG.), M.Sc., Ph.D.(Mich.)

## 14.11.2 Animal Science

### 14.11.2.1 Location

Department of Animal Science  
Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue, QC H9X 3V9  
Canada

Telephone: 514-398-7794

Fax: 514-398-7964

Email: [animal.science@mcgill.ca](mailto:animal.science@mcgill.ca)

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

### 14.11.2.2 About Animal Science

The Department of Animal Science provides exciting challenges to graduate students in the areas of Biotechnology and Molecular Biology, Breeding and Genetics, Nutrition, and Reproductive Physiology as they relate, not only to livestock production but also leading into the fields of human nutrition and medicine via animal models for human disease, infertility, and obesity. Official options in Biotechnology are also available. Departmental researchers have excellent wet-lab facilities at their disposal; large-animal studies can be carried out at the Large Animal Research Unit on the Macdonald campus farm, where other livestock species are available for research trials as well. Research can make use of the Small

### *section 14.11.2.8: Doctor of Philosophy (Ph.D.); Animal Science — Bioinformatics*

design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases, and the use of algorithms and statistics.

#### **14.11.2.3 Animal Science Admission Requirements and Application Procedures**

##### **14.11.2.3.1 Admission Requirements**

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

Candidates are required to have either a bachelor's degree in Agriculture or a B.Sc. degree in an appropriate, related discipline with an equivalent cumulative grade point average of 3.0/4.0 (second class–upper division) or 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

###### **M.Sc. (Applied)**

All candidates are required to have a B.Sc. degree or equivalent.

###### **Ph.D.**

Candidates are normally required to have a M.Sc. degree in an area related to the chosen field of specialization for the Ph.D. program.

##### **14.11.2.3.2 Application Procedures**

Applicants for graduate studies through academic units in the Faculty of Agricultural and Environmental Sciences must forward supporting documents to:

Department of Animal Science  
Macdonald Campus of McGill University  
21,111 Lakeshore  
Sainte-Anne-de-Bellevue, QC H9X 3V9  
Canada

Telephone: 514-398-7792

Fax: 514-398-7964

Email: [animal.science@mcgill.ca](mailto:animal.science@mcgill.ca)

Applications will be considered upon receipt of a signed and completed application form, \$100 application fee, and the following supporting documents:

**Transcripts** – Two official copies of all university-level transcripts with proof of degree(s) granted. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant's university is essential. It is the applicant's responsibility to arrange for transcripts to be sent.

It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill honours degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

**Letters of Recommendation** – Two letters of recommendation on letterhead (official paper) of originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant's work, preferably in the applicant's area of specialization. It is the applicant's responsibility to arrange for these letters to be sent. Letters of recommendation may also be sent electronically (via email). Letters sent electronically must meet the following conditions:

1. The email communicating the electronic letter must be sent from a valid institutional or corporate email address (domain). Electronic letters sent from public domain addresses such as Hotmail, Gmail, Yahoo Mail, or Videotron, etc., cannot be accepted.
2. The electronic letters must be specific as to which program the student has applied to, and include information that would aid an admissions committee in making an informed decision.
3. Letters of reference (electronic and hard copy) must be dated and must not be more than 12 months old.
4. The referee must indicate his/her position and full contact information at the institution.
5. Electronic letters sent from a Career Centre or Portfolio Management Company must state that the letters are confidential.

(For hard-copy letters submitted on electronic letterhead with an electronic signature, the letter must conform to conditions 1) through 5) (above) and must also be sent in an envelope sealed by the referee.)

**Competency in English** – Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., T

**Application Fee (non-refundable)** – A fee of CAD\$100 must accompany each application (including those of McGill students); otherwise, it cannot be considered. This sum must be remitted by credit card only.

**Dates for Guaranteed Consideration** – For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. It may be necessary to delay review of the applicant's file until the following admittance period if application materials including supporting documents are received after the dates for guaranteed consideration. International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy. Applicants are encouraged to make use of the online application form available on the web at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

**Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.**



## Adjunct Professors

H. Baldassarre, P. Lacasse, D. Lefebvre, B. Murphy

### 14.11.2.5 Master of Science (M.Sc.); Animal Science (Thesis) (45 credits)

#### Thesis Courses (31 credits)

ANSC 680	(7)	M.Sc. Thesis 1
ANSC 681	(7)	M.Sc. Thesis 2
ANSC 682	(7)	M.Sc. Thesis 3
ANSC 683	(10)	M.Sc. Thesis 4

#### Required Courses (14 credits)

12 credits of coursework at the 500 level or higher approved by the student's advisory committee, and two seminars.

ANSC 695	(1)	Animal Science Seminar 1
ANSC 696	(1)	Animal Science Seminar 2

Advanced undergraduate courses may be considered for graduate credit if approved by the student's committee and Graduate and Postdoctoral Studies and passed at the graduate level; generally, this will not constitute more than one of the four required courses.

### 14.11.2.6 Master of Science, Applied (M.Sc.A.); Animal Science (Non-Thesis) (45 credits)

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

#### Research Project (15 credits)

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

#### Complementary Courses (30 credits)

15-30 credits from the following:

AEMA 610	(3)	Statistical Methods 2
ANSC 504	(3)	Population Genetics
ANSC 506	(3)	Advanced Animal Biotechnology
ANSC 530	(3)	Experimental Techniques in Nutrition
ANSC 551	(3)	Carbohydrate and Lipid Metabolism
ANSC 552	(3)	Protein Metabolism and Nutrition
ANSC 560	(3)	Biology of Lactation
ANSC 565	(3)	Applied Information Systems
ANSC 600	(3)	Advanced Eukaryotic Cells and Viruses
ANSC 605	(3)	Estimation: Genetic Parameters
ANSC 606	(3)	Selection Index and Animal Improvement
ANSC 607	(3)	Linear Models in Agricultural Research

ANSC 611D1	(1.5)	Advanced Reproductive Biology
ANSC 611D2	(1.5)	Advanced Reproductive Biology
ANSC 622	(3)	Selected Topics in Molecular Biology
ANSC 635	(3)	Vitamins and Minerals in Nutrition
ANSC 636	(3)	Analysis - Animal Breeding Research Data
ANSC 691	(3)	Special Topic: Animal Sciences
ANSC 692	(3)	Topic in Animal Sciences 1

0-15 credits selected from 500- and 600-level courses from across the Faculty (with the possibility of up to 9 credits from outside the Faculty if deemed appropriate by the supervisor).

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

Since the Ph.D. is primarily a research degree, the amount of coursework required will depend on the background of the individual student, and must be approved by the student's advisory committee.

#### **Thesis**

#### **Required Courses**

ANSC 701	(0)	Doctoral Comprehensive Examination
----------	-----	------------------------------------

Two seminar courses at the 500,36.8S.66 Tm(aculty if deemed)T1f7ordQuiq0 Tn up to 9 cred4mi64 at the 500,3(e Examinatio22.00,u09.6the 500,36.8S.66 3(e Examin

### **14.11.3 Bioresource Engineering**

#### **14.11.3.1 Location**

Department of Bioresource Engineering  
Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue, QC H9X 3V9  
Canada

Telephone: 514-398-7774

Fax: 514-398-8387

Email: [susan.gregus@mcgill.ca](mailto:susan.gregus@mcgill.ca)

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

#### **14.11.3.2 About Bioresource Engineering**

The Department offers M.Sc. and Ph.D. research programs in various areas of bioresource engineering including: plant and animal environments; ecological engineering (ecosystem modeling, design, management, and remediation); water resources management (hydrology, irrigation, drainage, water quality); agricultural machinery, mechatronics, and robotics; food engineering and food bio-processing; post-harvest technology; waste management and protection of the environment; bio-energy; arti

***section 14.11.3.11: Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) — Neotropical Environment (45 credits)***

The non-thesis option is aimed at individuals already employed in industry or seeking to improve their skills in specific areas of the Tropical Environment. Participation in the MSE-Panama Symposium presentation in Montreal is a requirement of this program.

***section 14.11.3.12: Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) — Environmental Engineering (45 credits)***

The Environmental Engineering program emphasizes interdisciplinary fundamental knowledge, practical perspective, and awareness of environmental issues through a wide range of technical and non-technical courses offered by collaborating departments and faculties at the University.

**Letters of Recommendation** – Two letters of recommendation on letterhead (official paper) of originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant's work, preferably in the applicant's area of specialization. It is the applicant's responsibility to arrange for these letters to be sent.

**Competency in English** – Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (minimum score 550 on the paper-based test, or 86 on the Internet-based test with each component score not less than 20) or IELTS (minimum overall band 6.5). The MCHE is not considered equivalent. Results must be submitted as part of the application. The University code is 0935 (McGill University, Montreal); please use department code 31 (graduate schools), Biological Sciences – Agriculture to ensure that your TOEFL reaches this Office without delay.

**Graduate Record Exam (GRE)** – The GRE is not required, but it is highly recommended.

**Documents submitted will not be returned.**

**Application Fee (non-refundable)** – A fee of \$100 Canadian must accompany each application (including McGill students); otherwise, it cannot be considered. This sum must be remitted by credit card only.

**Dates for Guaranteed Consideration** – For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. It may be necessary to delay review of the applicant's file until the following admittance period if application materials including supporting documents are received after the dates for guaranteed consideration. International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy. Applicants are encouraged to make use of the online application form available on the web at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

**Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.**

Acceptance to all programs depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support. Normally, a student will not be accepted unless adequate financial support can be provided by the student and/or the student's supervisor. Academic units cannot guarantee financial support via teaching assistantships or other funds.

**Qualifying Students** – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying program if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a Qualifying program will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, **but not as candidates for a degree**. Only one qualifying year is permitted. **Successful completion of a qualifying program does not guarantee admission to a degree program.**

#### 14.11.3.4 Bioresource Engineering Faculty

##### Chair

S.O. Prasher

##### Graduate Program Director

G.S.V. Raghavan

##### Associate Graduate Program Director

V. Orsat

##### Emeritus Professor

R.S. Broughton; B.S.A., B.A.Sc.(Tor.), S.M.(MIT), Ph.D.(McG.), LL.D.(Dal.)

##### Professor (Post-Retirement)

R. Kok; B.E.Sc., Ph.D.(W. Ont.)

##### Professors

S. Barrington; B.Sc.(Agr.Eng.), Ph.D.(McG.)

C.A. Madramootoo; B.Sc.(Agr)

**Associate Professors**

V.I. Adamchuk; B.Sc.(Kyiv, Ukraine), M.Sc., Ph.D.(Purd.)

M.O. Ngadi; B.Eng.(Agr.Eng.), M.A.Sc., Ph.D.(Dal.Tech.) (*William Dawson Scholar*)

**Assistant Professors**

J. Adamowski; B.Eng.(RMC), M.Phil.(Camb.), M.B.A.(WUT, LBS, HEC, NHH), Ph.D.(Warsaw)

G. Clark; B.Sc.(Alta.), M.Sc., Ph.D.(McG.)

M. Lefsrud; B.Sc.(Sask.), M.Sc.(Rutg.), Ph.D.(Tenn.)

V. Orsat; B.Sc., M.Sc., Ph.D.(McG.)

**Adjunct Professors**

J. Boye; B.Sc.(Ghana), Ph.D.(McG.)

Y. Choi; B.Sc., M.Sc.(South Korea), Ph.D.(McG.)

M. Clamen; B.Eng., Ph.D.(McG.)

A. Drizo; B.Sc.(Belgrade), M.Sc., Ph.D.(Edin.)

S. Gameda; B.Sc., M.Sc., Ph.D.(McG.)

S. Guiot; Lic.Sc., D.Sc.(Belgium)

P. Jutras; B.Sc.(McG.), M.Sc.(Montr.), Ph.D.(McG.)

J. Martinez; M.Sc.(Polytechnic Inst. of Toulouse), Ph.D.(U. of Perpignan)

P. Savoie; B.Sc.(McG.), M.Sc.(Laval), Ph.D.(Mich. St.)

B. Tartakovsky; M.Sc., Ph.D.(Moscow State U.)

C. Vigneault; B.Sc., M.Sc.(Laval), Ph.D.(McG.)

N. Wang; B.Eng., M.Eng.(Beijing), M.Sc., Ph.D.(Kansas St.)

**Faculty Lecturers**

M. Knutt; M.B.Sc.(W. Ont.), M.A., Ph.D.(Brandeis)

A. Cherestes; B.Sc., M.Sc.(Queens College), Ph.D.(CUNY)

**Research/Professional Associates**

Y. Garipey; B.Sc., M.Sc.(McG.)

D. Lyew; B.Sc., M.Sc., Ph.D.(McG.)

S. Sotocinal; B.Sc.(Phil.), M.Sc., Ph.D.(McG.)

**Technical**

S. Manktelow

**14.11.3.5 Master of Science (M.Sc.); Bioresource Engineering (Thesis) (46 credits)**

This option for the M.Sc. degree is oriented toward individuals who intend to develop a career in bioresource engineering research.

**Thesis Courses (32 credits)**

BREE 691	(4)	M.Sc. Thesis 1
BREE 692	(4)	M.Sc. Thesis 2
BREE 693	(4)	M.Sc. Thesis 3
BREE 694	(4)	M.Sc. Thesis 4
BREE 695	(4)	M.Sc. Thesis 5

BREE 696	(4)	M.Sc. Thesis 6
BREE 697	(4)	M.Sc. Thesis 7
BREE 698	(4)	M.Sc. Thesis 8

**Required Courses (5 credits)**

BREE 651	(1)	Departmental Seminar M.Sc. 1
BREE 652	(1)	Departmental Seminar M.Sc. 2
BREE 699	(3)	Scientific Publication

**Complementary Courses (9 credits)**

500-, 600-, or 700-level courses in bioresource engineering and other fields to be determined in consultation with the Research Director.

**14.11.3.6 Master of Science (M.Sc.); Bioresource Engineering (Thesis) — Environment (46 credits)**
**Thesis Courses (32 credits)**

BREE 691	(4)	M.Sc. Thesis 1
BREE 692	(4)	M.Sc. Thesis 2
BREE 693	(4)	M.Sc. Thesis 3
BREE 694	(4)	M.Sc. Thesis 4
BREE 695	(4)	M.Sc. Thesis 5
BREE 696	(4)	M.Sc. Thesis 6
BREE 697	(4)	M.Sc. Thesis 7
BREE 698	(4)	M.Sc. Thesis 8

**Required Courses (11 credits)**

BREE 651	(1)	Departmental Seminar M.Sc. 1
BREE 652	(1)	Departmental Seminar M.Sc. 2
BREE 699	(3)	Scientific Publication
ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3

**Complementary Courses (3 credits)**

Chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment 1
ENVR 680	(3)	Topics in Environment 4

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

**Master of Science (M.Sc.); Bioresource Engineering (Thesis) — Neotr**



3 credits of any graduate-level Statistics course chosen in consultation with the Program Director.

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

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

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

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

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

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

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

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

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

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

\* Note: 12 of the 31 credits are expected to be from collaborative departments, e.g., food process engineering: 12 credits divided between F923 460.723 T631.026e 1 523

ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment 1
ENVR 680	(3)	Topics in Environment 4

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

22 additional credits of 500-, 600-, or 700-le

3 credits from the following:

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

#### **Toxicology Course**

3 credits from the following:

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

#### **Water Pollution Engineering Course**

4 credits from the following:

CIVE 651	(4)	Theory: Water / Wastewater Treatment
CIVE 652	(4)	Biological Treatment: Wastewaters
CIVE 660	(4)	Chemical and Physical Treatment of Waters

#### **Air Pollution Engineering Course**

3 credits from the following:

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

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

#### **Environmental Impact Course**

3 credits from the following:

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

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

#### **Environmental Policy Course**

3 credits from the following:

URBP 506	(3)	Environmental Policy and Planning
----------	-----	-----------------------------------

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

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

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

#### **14.11.3.13 Doctor of Philosophy (Ph.D.); Bioresource Engineering**

Candidates for the Ph.D. degree will normally register for the M.Sc. degree first. In cases where the research work is proceeding very satisfactorily, or where the equivalent of the M.Sc. degree has been completed previously, candidates may be permitted to proceed directly to the Ph.D. degree.

#### **Thesis**

#### **Required Courses**

BREE 701	(0)	Ph.D. Comprehensive Examination
BREE 751	(0)	Departmental Seminar Ph.D. 1
BREE 752	(0)	Departmental Seminar Ph.D. 2
BREE 753	(0)	Departmental Seminar Ph.D. 3
BREE 754	(0)	Departmental Seminar Ph.D. 4

### **Complementary Courses**

Courses of study selected for a Ph.D. program will depend on the existing academic qualifications of the candidate, and on those needed for effective pursuit of research in the chosen field. Candidates are encouraged to take an additional course of study of their o



Research is conducted in our on-site research labs, the Centre for Indigenous Peoples' Nutrition and Environment (CINE), the Mary Emily Clinical Nutrition Research unit, and the MUHC Teaching Hospitals. Students can conduct research or participate in clinical rotations with the BITS – Barbados, IDRC – Ghana and field sites in Asia, Africa, and Latin America.

*section 14.11.4.5: Master of Science (M.Sc.); Human Nutrition (Thesis) (45 credits)*

A master's degree in Human Nutrition offers adv

Applications will be considered upon receipt of a completed online application form, \$100 application fee, current résumé, statement describing reasons for interest in the program and career goals, and the following supporting documents:

**Transcripts** – Applicants must submit two official copies of all university-level transcripts with proof that degree(s) were granted. Photocopies are not accepted. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant's university is essential. It is the applicant's responsibility to arrange for transcripts to be sent. Transcripts should be sent directly from the issuing institution. When included in an application package, transcripts must be in the original sealed envelopes.

It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a B.Sc. degree equivalent to a McGill honours degree in a subject closely related to the one selected for





NUTR 513 (3) Credentialing in Dietetics

**14.11.4.6 Master of Science, Applied (M.Sc.A.); Human Nutrition (Non-Thesis) — Project (45 credits)**

**Research Project (12 credits)**

NUTR 652 (3) M.Sc. (Applied) Project 1  
NUTR 653 (3) M.Sc. (Applied) Project 2  
NUTR 654 (3) M.Sc. (Applied) Project 3  
NUTR 655 (3) M.Sc. (Applied) Project 4

**Required Courses (6 credits)**

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

**Complementar**



*section 14.11.5.6: Master of Science (M.Sc.); Food Science and Agricultural Chemistry (Thesis) (45 credits)*

form, to ensure admission to the Food Science graduate program. Subsequent career paths include work with food industry, government agencies, and in research.

*section 14.11.5.7: Doctor of Philosophy (Ph.D.); Food Science and Agricultural Chemistry*

A Ph.D. in food science is suitable for students with a M.Sc. degree in food science or related areas who wish to become independent researchers and/or leaders in the field of food sciences. Candidates with a B.Sc. degree applying for the Ph.D. need to register first for the M.Sc. degree. In cases where the candidates are proceeding well during their first year, they may be permitted to proceed to the Ph.D. degree. Entry into the Ph.D. graduate program hinges on the availability of supervisory staff and financing.

**14.11.5.3 Food Science and Agricultural Chemistry Admission Requirements and Application Procedures**

**14.11.5.3.1 Admission Requirements**

Applicants to the M.Sc. programs must be graduates of a university of recognized reputation and hold a B.Sc. in Food Science or a related discipline such as Chemistry, Biochemistry

- Do not apply to a thesis and a non-thesis master's program within the same academic unit as two separate choices. Select only one program and you can request a change at a later time.

**Dates for Guaranteed Consideration**

F

**Required Courses (6 credits)**

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

**Complementary Courses (30 credits)**

A minimum of five courses (15 credits) must be selected from the following list. The remaining credits (at the 500 or 600 level) are chosen in consultation with the academic adviser.

AGRI 510	(3)	Professional Practice Enzyme
----------	-----	---------------------------------

Note: Candidates should be prepared to take the Comprehensiv

***section 14.11.6.10: Master of Science (M.Sc.); Microbiology (Thesis) — Environment (46 credits)***

Please contact the Department for more information about this program.

***section 14.11.6.11: Master of Science (M.Sc.); Renewable Resources (Thesis) (45 credits)***

(including Micrometeorology, Forest Science, Soil Science and Wildlife Biology as areas of research)

***section 14.11.6.12: Master of Science (M.Sc.); Renewable Resources (Thesis) — Environment (46 credits)***

Please contact the Department for more information about this program.

***section 14.11.6.13: Master of Science (M.Sc.); Renewable Resources (Thesis) — Neotropical Environment (48 credits)***

Please contact the Department for more information about this program.

***section 14.11.6.14: Master of Science (M.Sc.); Renewable Resources (Non-Thesis) — Environmental Assessment (45 credits)***

The Non-Thesis Master's in Renewable Resources: Environmental Assessment Option is normally taken over a one year cycle beginning in the winter term and concluding in the autumn term. It is comprised of three inter-related elements: graduate level courses, primarily given in the winter term, a summer term internship and a project related research paper which is completed in the autumn term.

The program is aimed at environmental assessment professionals and advanced environmental science scholars planning for careers in the public and private sector agencies which guide environmental impact assessment, integrated assessment and sustainable development in Canada and internationally.

McGill's Non-Thesis Master's in Environmental Assessment is offered in conjunction with a Memorandum of Understanding with the United Nations Environment Program (UNEP - 2003) which designates the Faculty of Agricultural and Environmental Sciences as a UNEP Collaborating Centre on Environmental Assessment. An important component of the MOU is that the Faculty advance teaching and training through the development of course offerings which enable students to prepare for contributing to sustainable development by utilizing the excellent materials provided by UNEP and other national and international agencies.

**Ph.D. Degrees in Entomology, Microbiology, or Renewable Resources**

(Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology)

***section 14.11.6.15: Doctor of Philosophy (Ph.D.); Entomology***

Please contact the Department for more information about this program.

***section 14.11.6.16: Doctor of Philosophy (Ph.D.); Microbiology***

Please contact the Department for more information about this program.

***section 14.11.6.17: Doctor of Philosophy (Ph.D.); Renewable Resources***

Please contact the Department for more information about this program.

***section 14.11.6.18: Doctor of Philosophy (Ph.D.); Entomology — Environment***

Please contact the Department for more information about this program.

***section 14.11.6.19: Doctor of Philosophy (Ph.D.); Entomology — Neotropical Environment***

Please contact the Department for more information about this program.

***section 14.11.6.20: Doctor of Philosophy (Ph.D.); Microbiology — Bioinformatics***

Please contact the Department for more information about this program.

***section 14.11.6.21: Doctor of Philosophy (Ph.D.); Microbiology — Environment***

Please contact the Department for more information about this program.

***section 14.11.6.22: Doctor of Philosophy (Ph.D.); Renewable Resources — Environment***

Please contact the Department for more information about this program.

*section 14.11.6.23: Doctor of Philosophy (Ph.D.); Renewable Resources — Neotropical Environment*

Please contact the Department for more information about this program.

**14.11.6.3 Natural Resource Science Admission Requirements and Application Procedures**

**14.11.6.3.1 Admission Requirements**

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

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

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

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

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

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

Candidates are required to have a bachelor's degree in a relevant subject, with an equivalent cumulative grade point average of 3.0/4.0 (second class – upper division) or 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program. Applicants should also have at least one year of professional experience in environmental assessment or a similar field.

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

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

**14.11.6.3.2 Application Procedures**

(Fe academic unouni



DOCUMENTS SUBMITTED WILL NO

**14.11.6.4 Natural Resource Sciences Faculty****Chair**

B. Côté

**Program Director - Agricultural Economics**

J.C. Henning

**Graduate Program Director**

I.B. Strachan

**Emeritus Professors**N.N. Barthakur; B.Sc.(Gauh.), M.Sc.(Alld.), Ph.D.(Sask.); *Agricultural Physics*E.S. Idziak; B.Sc.(Agr.), M.Sc.(McG.), D.Sc.(Delft); *Microbiology*A.F. MacKenzie; B.S.A., M.Sc.(Sask.), Ph.D.(C'nell); *Soil Science*R.A. MacLeod; B.A., M.A.(Br. Col.), Ph.D.(Wisc.), F.R.S.C.; *Microbiology*P.H. Schuepp; Dipl.Sc.Nat.(Zür.), Ph.D.(Tor.); *Agricultural Physics*R.K. Stewart; B.Sc.(Agr.), Ph.D.(Glas.); *Entomology***Professors**D.M. Bird; B.Sc.(Guelph), M.Sc., Ph.D.(McG.); *Wildlife Biology*P. Brown; B.A.(Haver.), M.A., Ph.D.(Col.); *Environmental Policy and Ethics (joint appt. with Geography and McGill School of Environment)*J.W. Fyles; B.Sc., M.Sc.(Vic., BC), Ph.D.(Alta.); *Forest Resources (Tomlinson Chair in Forestry)*W.H. Hendershot; B.Sc.(Tor.), M.Sc.(McG.), Ph.D.(Br. Col.); *Soil Science***Associate Professors**C. Buddle; B.Sc.(Guelph), Ph.D.(Alta.); *Forest Insect Ecology*B. Côté; B.Sc., Ph.D.(Laval); *Forest Resources*M.A. Curtis; B.Sc., M.Sc., Ph.D.(McG.); *Environmental Governance*B.T. Driscoll; B.Sc., Ph.D.(McM.); *Microbiology*G.B. Dunphy; B.Sc.(New Br.), M.Sc., Ph.D.(Nfld.); *Entomology*J.C. Henning; B.Sc., Ph.D.(Guelph); *Agricultural Economics*M. Humphries; B.Sc.(Manit.), M.Sc.(Alta.), Ph.D.(McG.); *Wildlife Biology*D.J. Lewis; B.Sc., M.Sc., Ph.D.(Nfld.); *Entomology*I.B. Strachan; B.Sc.(Tor.), M.Sc., Ph.D.(Qu.); *Micrometeorology*P.J. Thomassin; B.Sc.(McG.), M.S., Ph.D.(Hawaii Pac.); *Agricultural and Environmental Economics*J. Whalen; B.Sc.(Agr.)(Dal.), M.Sc.(McG.), Ph.D.(Ohio St.); *Soil Science*T.A. Wheeler; B.Sc.(Nfld.), M.Sc., Ph.D.(Guelph); *Entomology*L.G. Whyte; B.Sc.(Regina), Ph.D.(Wat.); *Microbiology***Assistant Professors**E. Bennett; B.A.(Oberline Coll.), M.S., Ph.D.(Wisc.); *Ecosystem Ecology (joint appt. with McGill School of Environment)*G. Hickey; B.Sc.(Melb.), Ph.D.(Br. Col.), EMPA (ANZSOG, Monash); *Sustainable Natural Resource Management*N. Kosoy; B.Sc.(Univ. Simon Bolivar), M.Sc.(Univ. of Kent, Univ. Autònoma de Barcelona), Ph.D.(Univ. Autònoma de Barcelona); *Ecological Economics (joint appt. with McGill School of Environment)*A. Naseem; B.Sc.(McG.), M.Sc., Ph.D.(Mich.); *Agricultural Economics*

**Assistant Professors**

C. Solomon; B.Sc.(C'nell), Ph.D.(Wisc.); *Wildlife Biology*

**Associate Members**

C.A. Chapman (*Anthropology*), L.J. Chapman (*Biology*), D. Green (*Redpath Museum*), W.D. Marshall (*Food Science and Agricultural Chemistry*), M. Scott (*Institute of Parasitology*), D. Smith (*Plant Science*)

**Adjunct Professors**

D. Angers, G. Boivin, M.A. Bouchard, K. Fernie, C. Greer, D. Houle, J.P. Savard, E. Smith, G. Sunahara, C. Vincent, F. Whoriskey

**14.11.6.5 Master of Science (M.Sc.); Agricultural Economics (Thesis) (46 credits)**

Students may specialize, by way of their research program, in agri-business, development, finance, marketing and trade, policy, and resource and ecological economics.

**Thesis Courses (27 credits)**

AGEC 691	(6)	M.Sc. Thesis 1
AGEC 692	(3)	M.Sc. Thesis 2
AGEC 693	(6)	M.Sc. Thesis 3
AGEC 694	(6)	M.Sc. Thesis 4
AGEC 695	(6)	M.Sc. Thesis 5

**Required Course**

(1 credit)

AGEC 690	(1)	Seminar
----------	-----	---------

**Complementary Courses (18 credits)**

6 credits, two theory courses chosen from:

AGEC 611	(3)	Price Analysis
AGEC 633	(3)	Environmental and Natural Resource Economics
ECON 610	(3)	Microeconomic Theory 1
ECON 611	(3)	Microeconomic Theory 2
ECON 620	(3)	Macroeconomic Theory 1
ECON 621	(3)	Macroeconomic Theory 2

3 credits, one quantitative methods course chosen from:

AEMA 610	(3)	Statistical Methods 2
ECON 525	(3)	Project Analysis
ECON 662	(6)	Econometrics
ECON 665	(3)	Quantitative Methods
MGSC 634	(3)	Econometric Methods in Management
MGSC 679	(3)	Applied Deterministic Optimization

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

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

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

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

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

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

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

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

#### **14.11.6.7 Master of Science (M.Sc.); Entomology (Thesis) — Environment (46 credits)**

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

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

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

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

##### **Complimentary Courses (3 credits)**

One of the following courses:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment 1
ENVR 680	(3)	Topics in Environment 4

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

**14.11.6.8 Master of Science (M.Sc.); Entomology (Thesis) — Neotropical Environment (48 credits)**

**Thesis Courses (36 credits)**

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

**Required Courses (9 credits)**

(3)	Tropical Biology and Conservation
-----	-----------------------------------



**Complimentary Courses (6 credits)**

3 credits, one of the following courses:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment 1
ENVR 680	(3)	Topics in Environment 4

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

3 credits of statistics at the 500, 600, or 700 level.

**14.11.6.13 Master of Science (M.Sc.); Renewable Resources (Thesis) — Neotropical Environment (48 credits)**
**Thesis Courses (36 credits)**

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

**Required Courses (9 credits)**

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

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

**Elective Courses (3 credits)**

3 credits, at the 500 level or higher, on env4)ses to be chosen in consultation with and appro ved by the studj0' s supervisor AND the Neotropical Environment Options Director.

**14.11.6.14 Master of Science (M.Sc.); Renewable Resources (Non-Thesis) — Envir45 credits)**

The non-thesis master's in Renewable Resources: Env4) Assessment option is normally taken over a one year cycle beginning in the Winter term and concluding in the Fall term. It is comprised of three interrelated elements: graduate-level courses, primarily given in the Winter term, a Summer term internship, and a project-related research paper, which is completed in the Fall term. The program is aimed at env4) advanced env4) vate sector agencies, which guide env4) integrated assessment, and sustainable development in Canada and internationally. McGill's non-thesis master's in Env4) Assessment is offered in conjunction with a Memorandum of Understanding (MOU) with the United Nations Environment Program (UNEP - 2003), which designates the Faculty of Agriculture7Rrand Env4) v4) Assessment. Animportant component of the MOU is that the Faculty advance teaching and training through the development of course offerings that enable studj0s to prepare for contrib uting to sustainable development by utilizing the excellent materials provided by UNEP and other national and international agencies.

**Research Project (9 credits)**

NRSC 616	(9)	Env4) Assessment Project Paper
----------	-----	--------------------------------

**Required Internship (15 credits)**

NRSC 615	(15)	Environmental Assessment Internship
----------	------	-------------------------------------

**Required Courses (15 credits)**

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

**Complementary Courses (6 credits)**

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

**14.11.6.15 Doctor of Philosophy (Ph.D.); Entomology**

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

**Thesis****Required Courses**

NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 751	(0)	Graduate Seminar 4
NRSC 752	(0)	Graduate Seminar 5
NRSC 753	(0)	Graduate Seminar 6
NRSC 754	(0)	Graduate Seminar 7

**Coursework**

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

**14.11.6.16 Doctor of Philosophy (Ph.D.); Microbiology**

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

**Thesis****Required Courses**

NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 751	(0)	Graduate Seminar 4
NRSC 752	(0)	Graduate Seminar 5
NRSC 753	(0)	Graduate Seminar 6
NRSC 754	(0)	Graduate Seminar 7

**Coursework**

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



**14.11.6.17 Doctor of Philosophy (Ph.D.); Renewable Resources**

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

**Thesis****Required Courses**

NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 751	(0)	Graduate Seminar 4
NRSC 752	(0)	Graduate Seminar 5
NRSC 753	(0)	Graduate Seminar 6
NRSC 754	(0)	Graduate Seminar 7

**Coursework**

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

**14.11.6.18 Doctor of Philosophy (Ph.D.); Entomology — Environment****Thesis****Required Courses**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 754	(0)	Graduate Seminar 7

**Coursework**

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

**Complementary Courses**

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

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

**14.11.6.19 Doctor of Philosophy (Ph.D.); Entomology — Neotropical Environment****Thesis**

**Required Courses**

T

ENVR 652	(1)	Environmental Seminar 3
NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 754	(0)	Graduate Seminar 7

**Coursework**

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

ENVR 680 (3) Topics in Environment 4

or other graduate course recommended by the advisory committee and approved by the Environment Option Committee.

**14.11.6.23 Doctor of Philosophy (Ph.D.); Renewable Resources — Neotropical Environment**

**Thesis**

**Required Courses**

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
NRSC 701	(0)	Ph.D. Comprehensive Examination

**section 14.11.7.5: Master of Science (M.Sc.); Parasitology (Thesis) (46 credits)**

A research project is undertaken in an area of parasitology under the direction of a supervisor, and a thesis is produced. Coursework is minimal. Graduates have gone on to medical school, to teaching positions, or have found employment in scientific fields.

**section 14.11.7.6: Master of Science (M.Sc.); Parasitology (Thesis) — Bioinformatics (47 credits)**

A research project is undertaken in an area of parasitology under the direction of a supervisor, and a thesis is produced. This option involves additional coursework specializing in bioinformatics, and graduates are highly trained professionals with expertise in bioinformatics.

**section 14.11.7.7: Master of Science (M.Sc.); Parasitology (Thesis) — Environment (46 credits)**

A research project is undertaken under the direction of a supervisor, and a thesis is produced. This option involves extra coursework in topics relevant to the environment and is suitable for students interested in environmental issues. Graduates find employment in science and/or the environment, such as management or consulting positions in the emerging field of environmental protection, or go on to further graduate studies.

**section 14.11.7.8: Doctor of Philosophy (Ph.D.); Parasitology**

An advanced, original research project is undertaken in an area of parasitology supervised by faculty staff. Coursework is minimal. Graduates are well suited for teaching positions in academia or research careers in a university or private industry laboratory.

**section 14.11.7.9: Doctor of Philosophy (Ph.D.); Parasitology — Bioinformatics**

An advanced, original research project in an area of parasitology is undertaken supervised by faculty staff, and a thesis is produced. Additional coursework in the fi



Acceptance to all thesis research programs depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support. Normally, a student will not be accepted unless adequate financial support can be provided by the student and/or the student's supervisor. Academic units cannot guarantee financial support via teaching assistantships or other funds.

Financial support for Biotechnology programs is very limited. Students must secure funding from governmental agencies or be self-sufficient. International students are strongly encouraged to secure funding from their home country or international agencies. More information is found at [www.mcgill.ca/biotechgradprog/admissions/tuition](http://www.mcgill.ca/biotechgradprog/admissions/tuition).

**Other Supporting Documents** – Other documents may be required for the admission process. Please consult the respective website of Parasitology and Biotechnology for full details of the admission process.

**Qualifying Students** – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a *Qualifying Program* if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a *Qualifying Program* will be prescribed by the academic unit concerned. *Qualifying students* are registered in graduate studies. **b**

PARA 607	(2)	Parasitology Research Seminar
PARA 635	(3)	Cell Biology and Infection
PARA 655	(3)	Host-Parasite Interactions

Other course work in related subjects may be required, depending upon the candidate's background and research orientation.

#### **14.11.7.6 Master of Science (M.Sc.); Parasitology (Thesis) — Bioinformatics (47 credits)**

##### **Thesis Courses (24 credits)**

PARA 688	(10)	Thesis Research 2
PARA 689	(12)	Thesis Research 3
PARA 690	(2)	Thesis Research 4

##### **Required Courses (17 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PARA 600	(4)	Thesis Proposal for M.Sc
PARA 606	(2)	Parasitology Seminar
PARA 607	(2)	Parasitology Research Seminar
PARA 635	(3)	Cell Biology and Infection
PARA 655	(3)	Host-Parasite Interactions

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

6 credits from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

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

#### **14.11.7.7 Master of Science (M.Sc.); Parasitology (Thesis) — Environment (46 credits)**

##### **Thesis Courses (26 credits)**

PARA 687	(10)	Thesis Research 1
PARA 688	(10)	Thesis Research 2
PARA 691	(6)	Thesis Research 5

##### **Required Courses (14 credits)**



PARA 606	(2)	Parasitology Seminar
PARA 607	(2)	Parasitology Research Seminar

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

3 credits from one of the following:

PARA 635	(3)	Cell Biology and Infection
PARA 655	(3)	Host-Parasite Interactions

3 credits from one of the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or other graduate course recommended by the advisory committee and approved by the Environment Option Committee.

Note: Other course work in related subjects may be required, depending upon the candidate's background and research orientation.

### **14.11.7.8 Doctor of Philosophy (Ph.D.); Parasitology**

#### **Thesis**

#### **Required Courses (10 credits)**

PARA 635	(3)	Cell Biology and Infection
PARA 655	(3)	Host-Parasite Interactions
PARA 700	(0)	Thesis Proposal for Ph.D
PARA 710	(2)	Parasitology Ph.D. Seminar 1
PARA 711	(2)	Parasitology Ph.D. Seminar 2

\* Note: In the fi

PARA 710	(2)	Parasitology Ph.D. Seminar 1
PARA 711	(2)	Parasitology Ph.D. Seminar 2

**Complementary Courses (6 credits)**

6 credits chosen from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
	(3)	Bioinformatics: Proteomics

BTEC 622	(2)	Biotechnology Research Project 1
BTEC 623	(6)	Biotechnology Research Project 2
BTEC 624	(6)	Biotechnology Research Project 3
BTEC 625	(2)	Biotechnology Research Project 4

**Required Courses (17 credits)**

BIOT 505	(3)	Selected Topics in Biotechnology
BTEC 501	(3)	Bioinformatics
BTEC 619	(4)	Biotechnology Laboratory 2
BTEC 620	(4)	Biotechnology Laboratory 1
BTEC 621	(3)	Biotechnology Management

**Complementary Courses (12 credits)**

3 credits in Ethics at the 500 level or higher, selected in consultation with the academic adviser.

9 credits at the 500 level or higher, selected within the Faculties of Agricultural and Environmental Sciences, Medicine, Science, or Management in consultation with the academic adviser of the program in line with the interests of the student.

**14.11.7.12 Graduate Certificate in Biotechnology (16 credits)**

**Required Courses (10 credits)**

BIOT 505	(3)	Selected Topics in Biotechnology
BTEC 620	(4)	Biotechnology Laboratory 1
BTEC 621	(3)	Biotechnology Management

**Complimentary Courses (6 credits)**

PHGY 518 (3) Artificial Cells

### **Environment and Food**

BREE 530 (3) Fermentation Engineering

FDSC 535 (3) Food Biotechnology

## **14.11.8 Plant Science**

### **14.11.8.1 Location**

Department of Plant Science  
Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue, QC H9X 3V9  
Canada

Telephone: 514-398-7851

Fax: 514-398-7897

Email: [plant.science@mcgill.ca](mailto:plant.science@mcgill.ca)

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

### **14.11.8.2 About Plant Science**

The Department offers an M.Sc. and Ph.D. in Plant Science with Options in Bioinformatics, Environment, or Neotropical Environment, and provides for study in all fields of plant sciences. Research facilities – both field and laboratory – are available for investigations in plant breeding, crop physiology, crop management, crop quality, plant ecology, the epidemiology and biology of plant diseases, epigenetics, biosystematics, recombinant DNA technology, mycology, weed biology, tissue culture, plant biochemistry, and bioinformatics. F



It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill honours degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

**Letters of Recommendation** – Two letters of recommendation on letterhead (official paper) of originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant's work, preferably in the applicant's area of specialization. It is the applicant's responsibility to arrange for these letters to be sent.

**Competency in English** – Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (minimum score 550 on the paper-based test or 86 on the Internet-based test, with a minimum score of 20 on each), or IELTS (minimum overall band 6.5). The MCHE is not considered equivalent. Results must be submitted as part of the application. The University code is 0935 (McGill University, Montreal); please use Department code 31 (Graduate Schools), Biological Sciences – Agriculture, to ensure that your TOEFL reaches this office without delay.

**Graduate Record Exam (GRE)** – The GRE is not required, but it is highly recommended.

**Application Fee (non-refundable)** – A fee of \$100 Canadian must accompany each application (including McGill students), otherwise it cannot be considered. This sum must be remitted by credit card only.

#### Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs), then select the appropriate program. It may be necessary to delay review of the applicant's file until the following admittance period if application materials, including supporting documents, are received after the dates for guaranteed consideration. International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy. Applicants are encouraged to make use of the online application form available on the web at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

**Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.**

Acceptance to all programs depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support. Normally, a student will not be accepted unless adequate financial support can be provided by the student and/or the student's supervisor. Academic units cannot guarantee financial support via teaching assistantships or other funds.

**Qualifying Students** – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a Qualifying Program will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, **but not as candidates for a degree**. Only one qualifying year is permitted. **Successful completion of a qualifying program does not guarantee admission to a degree program.**

#### 14.11.8.4 Plant Science Faculty

##### Chair

P. Seguin

##### Emeritus Professors

D.J. Buszard; B.Sc.(Bath), Ph.D.(Lond.)

R.H. Estey; B.Ed.(New Br.), M.S.(Maine), D.I.C.(Imp. Coll.), B.Sc.(Agr.), Ph.D.(McG.), F.L.S.

W.F. Grant; B.A., M.A.(McM.), Ph.D.(Virg.), F.L.S.

##### Professors

P. Dutilleul; L.Sc., D.Sc.(Louvain)

D.L. Smith; B.Sc., M.Sc.(Acad.), Ph.D.(Guelph)

A.K. Watson; B.Sc.(Agr.), M.Sc.(Br. Col.), Ph.D.(Sask.)

##### Associate Professors

J. Bede; B.Sc.(Calg.), M.Sc., Ph.D.(Tor.)

S. deBlois; B.Sc.(Agr.)(McG.), M.Sc., Ph.D.(Montr.)

D.J. Donnelly; B.Sc.(Agr.)(McG.), M.Sc.(Br. Col.), Ph.D.(S. Fraser)

S. Jabaji; B.Sc.(Beirut), M.Sc.(Guelph), Ph.D.(Wat.)

A.C. Kushalappa; B.Sc., M.Sc.(B'lore), Ph.D.(Flor.)

P. Seguin; B.Sc.(Agr.), M.Sc.(McG.), Ph.D.(Minn.)

**Associate Professors**

M. Stromvik; B.A., M.Sc.(Stockholm), Ph.D.(Ill.)

M. Waterway; B.A.(Grand Rapids), M.S.(Wisc.), Ph.D.(C'nell)

**Assistant Professors**

J.-B. Charron; B.Sc.(Montr.), M.Sc., Ph.D.(UQAM)

J. Singh; B.Sc.(Agr.), M.Sc.(Punjab), Ph.D.(Syd.)

**Faculty Lecturers**

C. Begg; B.Sc.(Agr.)(McG.), M.Sc.(Sask.), Ph.D.(McG.)

S. Lussier; B.Sc.(Agr.)(McG.)

D. Wees; B.Sc.(Agr.), M.Sc.(McG.)

**Associate Members**

G. Brown (*Department of Biology*)

T.A. Johns (*Dietetics and Human Nutrition*)

**Adjunct Professors**

M. Fortin, S. Jenni, S. Khanizadeh, A. Bertrand

**14.11.8.5 Master of Science (M.Sc.); Plant Science (Thesis) (45 credits)**
**Thesis Courses (39 credits)**

PLNT 664	(12)	M.Sc. Thesis 1
PLNT 665	(12)	M.Sc. Thesis 2
PLNT 666	(15)	M.Sc. Thesis 3

**Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
----------	-----	--------------------------------------

**Complementary Courses (6 credits)**

Two graduate-level courses

Additional courses may be required at the discretion of the candidate's supervisory committee.

**14.11.8.6 Master of Science (M.Sc.); Plant Science (Thesis) — Bioinformatics (48 credits)**
**Thesis Courses (39 credits)**

PLNT 664	(12)	M.Sc. Thesis 1
PLNT 665	(12)	M.Sc. Thesis 2
PLNT 666	(15)	M.Sc. Thesis 3

**Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
----------	-----	--------------------------------------





or other graduate course recommended by the advisory committee and approved by the Environment Option Committee.

Additional courses may be required at the discretion of the candidate's supervisory committee.

#### 14.11.8.8 Master of Science (M.Sc.); Plant Science (Thesis) — Neotropical Environment (48 credits)

Candidates must participate in the STRI seminar series when in residence in Panama, and in the MSE-Panama Symposium Presentation in Montreal.

##### Thesis Courses (39 credits)

PLNT 664	(12)	M.Sc. Thesis 1
PLNT 665	(12)	M.Sc. Thesis 2
PLNT 666	(15)	M.Sc. Thesis 3

##### Required Invitational Seminar

PLNT 690	(0)	Research Horizons in Plant Science 1
----------	-----	--------------------------------------

##### Required Courses (6 credits)

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy

##### Elective Courses (3 credits)

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

Additional courses may be required at the discretion of the candidate's supervisory committee.

#### 14.11.8.9 Master of Science, Applied (M.Sc.A.); Plant Science (Non-Thesis) (45 credits)

N.B. this program is under revision. Please contact Ms. Carolyn Bowes for information.

#### 14.11.8.10 Doctor of Philosophy (Ph.D.); Plant Science

Students who have taken their M.Sc. degree at McGill University will be required to spend one term in study at another research institution.

##### Thesis

##### Required Invitational Seminar

PLNT 690	(0)	Research Horizons in Plant Science 1
----------	-----	--------------------------------------

##### Required Courses

\* Must be taken within one year of registering

PLNT 701	(0)	Doctoral Comprehensive Examination
----------	-----	------------------------------------

##### Complementary Courses

Any courses at the 500 or 600 level deemed necessary for the chosen area of specialization.

**14.11.8.11 Doctor of Philosophy (Ph.D.); Plant Science — Bioinformatics**

Students who have taken their M.Sc. degree at McGill University will be required to spend one term in study at another research institution.

**Thesis****Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
----------	-----	--------------------------------------

**Required Courses (3 credits)**

\* Must be taken within one year of registering.

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PLNT 701*	(0)	Doctoral Comprehensive Examination

**Complementary Courses (6 credits)**

Two courses to be chosen from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

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

**14.11.8.12 Doctor of Philosophy (Ph.D.); Plant Science — Environment****Thesis****Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
----------	-----	--------------------------------------

**Required Courses (6 credits)**

\* Must be taken within the first year of registering

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
PLNT 701*	(0)	Doctoral Comprehensive Examination

**Coursework**

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

**Complementary Courses (3 credits)**

One course chosen from the following:



BINF 621	(3)	Bioinformatics: Molecular Biology
BIOC 603	(3)	Genomics and Gene Expression
BMDE 652	(3)	Bioinformatics: Proteomics
COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
COMP 616N1	(1.5)	Bioinformatics Seminar
COMP 616N2	(1.5)	Bioinformatics Seminar
COMP 618	(3)	Bioinformatics: Functional Genomics
GLIS 673	(3)	Bioinformatics Resources
HGEN 663	(3)	Beyond the Human Genome

---

## 15 Faculty of Arts

---

### 15.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill 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 central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. 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

## Administrative Officers

Lissa B. Matyas; B.F.A., M.Sc.(C'dia)

Director (Recruitment and Retention)

### 15.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5

Telephone: 514-398-3990

Fax: 514-398-1626

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

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



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

### 15.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

---

## 15.3 Important Dates 2011-2012

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

---

**Arts**

*section 15.11.9: Geography*

*section 15.11.10: German Studies*

*section 15.11.11: Hispanic Studies*

*section 15.11.12: History and Classical Studies*

*section 15.11.13: Institute for the Study of International Development*

*section 15.11.14: Islamic Studies*

*section 15.11.15: Italian Studies*

*section 15.11.16: Jewish Studies*

*section 15.11.17: Linguistics*

*section 15.11.18: Mathematics and Statistics*

*section 15.11.19: Philosophy*

*section 15.11.20: Political Science*

*section 15.11.21: Psychology*

*section 15.11.23: Russian and Slavic Studies*

*section 15.11.24: Social Studies of Medicine*

*section 15.11.25: Social Work*

*section 15.11.26: Sociology*

**Dentistry**

*section 16.11.1: Dentistry*

**Desautels Faculty of Management**

*section 17.11: Desautels Faculty of Management*

**Education**

*section 18.11.1: Educational and Counselling Psychology*

*section 18.11.2: Information Studies*

*section 18.11.3: Integrated Studies in Education*

*section 18.11.4: Kinesiology and Physical Education*

**Engineering**

*section 19.11.1: Architecture*

*section 19.11.2: Chemical Engineering*

*section 19.11.3: Civil Engineering and Applied Mechanics*

*section 19.11.4: Electrical and Computer Engineering*

*section 19.11.5: Mechanical Engineering*

*section 19.11.6: Mining and Materials Engineering*

*section 19.11.7: Urban Planning*

**Law**

*section 20.11.1: Law*

**McGill School of Environment**

*section 21.11.1: Environment*

## Medicine

*section 22.11.1: Anatomy and Cell Biology*

*section 22.11.2: Biochemistry*

*section 22.11.3: Bioethics*

*section 22.11.4: Biomedical Engineering*

*section 22.11.5: Communication Sciences and Disorders*

*section 22.11.6: Epidemiology and Biostatistics*

**Experimental Medicine**, see *section 22.11.10: Medicine, Experimental*

*section 22.11.8: Human Genetics*

*section 22.11.9: Medical Physics*

*section 22.11.11: Microbiology and Immunology*

*section 22.11.12: Neuroscience (Integrated Program in)*

*section 23.11.1: Nursing*

*section 22.11.13: Occupational Health*

*section 22.11.14: Otolaryngology – Head and Neck Surgery*

*section 22.11.15:(sedD62.865 1 123.842 4ath Otolaryngolo)Tj1 488 1 123.842 468.36 Tm(gy)Tj1 0 471 0 052 489.76 Tm(secti6n 22.11.15)Tj1 0 0 171 0 052 489.harm*

**Graduate Diplomas are offered in:**

Clinical Research (Experimental Medicine)

Epidemiology and Biostatistics

Islamic Studies

Library and Information Studies

Mining Engineering

Nursing

Primary Care Nurse Practitioner

Professional Performance

Public Accountancy (C.A.)

Registered Dietician Credentialing (R.D.)

School and Applied Child Psychology (post-Ph.D.)

Surgical Health Care Research

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



**The following master's degrees are offered (see below for more information about sub-specializations):****Prerequisites:**

Master of Science, Applied (PT) (M.Sc.A. (PT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Social Work (M.S.W.)	Bachelor's degree in Social Work including courses in statistics and social science research methods. See Social Work.
Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See School of Social Work.
Master of Urban Planning (M.U.P.)	Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.

**Master of Architecture Degrees**

M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
- French (Thesis and Non-Thesis); option in Gender and Women's Studies
- Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
- German Studies (Thesis and Non-Thesis)
- Hispanic Studies (Thesis and Non-Thesis)
- History (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Thesis and Non-Thesis), History of Medicine (Non-Thesis)
- Islamic Studies; option in Gender and Women's Studies
- Italian Studies (Thesis and Non-Thesis)
- Jewish Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Linguistics (Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis)
- Music (Thesis and Non-Thesis)
- Philosophy; option in Bioethics
- Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
- Psychology
- Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
- Russian
- Sociology (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), Environment, Gender and Women's Studies (Thesis and Non-Thesis), Medical Sociology (Thesis and Non-Thesis), Social Statistics (Non-Thesis), Neotropical Environment

**Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

M.B.A. with M.D.,C.M.

M.B.A. with B.C.L. and LL.B.

Master of Manufacturing Management (see Management and Mechanical Engineering)

**Master's Degrees in Education**

Three types of master's degrees are offered: M.A. (Thesis and Non-Thesis), M.Ed. (Non-Thesis) and M.Sc. (Thesis and Non-Thesis).

The M.A. may be taken in the following areas:

Counselling Psychology (Thesis and Non-Thesis); Counselling Psychology – Professional/Interamuhip(Non-Thesis) ,Counselling Psychology –

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

#### **Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

#### **Master's Degrees in Religious Studies**

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.

#### **Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
- Medical Radiation Physics
- Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
- Microbiology and Immunology
- Microbiology (Macdonald Campus); option in Environment
- Mining and Materials Engineering
- Neuroscience
- Nursing
- Otolaryngology
- Parasitology; options in Bioinformatics, and Environment
- Pathology
- Pharmacology and Therapeutics; option in Chemical Biology
- Physics
- Physiology; option in Bioinformatics
- Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
- Psychiatry
- Psychology
- Rehabilitation Sciences (Thesis and Non-Thesis)
- Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
- Surgery, Experimental

### **Master of Science, Applied, Degrees**

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

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
- Occupational Health
- Occupational Therapy
- Plant Science
- Physical Therapy

Other degrees:

- Master of Science, Applied (OT)
- Master of Science, Applied (PT)

### **Master of Social Work Degrees**

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

- M.S.W. with B.C.L. and LL.B.

### **Master of Urban Planning Degree**

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

Options: Transportation Planning and Urban Design.

## **15.4.3 Doctoral Degrees**

Two categories of programs lead to higher de

Anatomy and Cell Biology  
Animal Science; option in Bioinformatics  
Anthropology; option in Neotropical Environment  
Architecture  
Art History; option in Gender and Women's Studies  
Atmospheric and Oceanic Sciences  
Biochemistry; options in Bioinformatics, and Chemical Biology  
Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment  
Biomedical Engineering; option in Bioinformatics  
Bioresource Engineering; options in Environment, and Neotropical Environment  
Chemical Engineering  
Chemistry; option in Chemical Biology  
Civil Engineering and Applied Mechanics  
Classics  
Communication Studies; option in Gender and Women's Studies  
Communication Sciences and Disorders; option in Language Acquisition  
Computer Science; option in Bioinformatics  
Counselling Psychology  
Earth and Planetary Sciences; option in Environment  
Economics  
Educational Psychology  
Educational Studies; option in Gender and Women's Studies  
Electrical Engineering  
English  
Entomology; options in Environment, and Neotropical Environment  
Epidemiology and Biostatistics  
Food Science and Agricultural Chemistry  
French; option in Gender and Women's Studies  
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment  
German  
Hispanic Studies  
History  
Human Genetics; option in Bioinformatics  
Human Nutrition  
Information Studies  
Islamic Studies; option in Gender and Women's Studies  
Linguistics; option in Language Acquisition  
Management  
Mathematics and Statistics; option in Bioinformatics  
Mechanical Engineering  
Medicine, Experimental; option in Environment  
Microbiology and Immunology  
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment  
Mining and Materials Engineering  
Music; option in Gender and Women's Studies  
Neuroscience  
Nursing; option in Psychosocial Oncology  
Occupational Health Sciences  
Parasitology; options in Bioinformatics, and Environment  
Pathology  
Pharmacology and Therapeutics; option in Chemical Biology  
Philosophy; options in Environment, and Gender and Women's Studies  
Physics

Russian

School/Applied Child Psychology

Social Work

Sociology; options in Environment, and Gender and W

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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/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.

### 15.5.2 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 "Vacation Policies" for details).  
Student, am(Postsee )Tj/F4 8.1 Tf(7006)Tj/F1 8.1 T).nalut studose whaberbtadel

gistered on a full-time basng fst omorthree y afreatto compcatirk of the residstium

Language requiremenng for tto Ph.'s de

~~Candidates~~ ary advised me dhaquirlanguage requirements earlys) in their prognts podmible.nal

#### Language Requirements – Doctoral

### 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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

### 15.5.3 Ad Hoc Programs

**In exceptional cases**, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer graduate programs, may be admitted to an *Ad Hoc* program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document "Procedures for Admission in *Ad Hoc* Master's and Doctoral Programs", available from GPS.

### 15.5.4 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 *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer its own graduate programs, may be admitted to an *Ad Personam* program. The regulations are fully described in a document available from GPS.

### 15.5.5 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/staff/registration](http://www.mcgill.ca/gps/staff/registration).

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 studies must be approved by GPS before registration. Double counting is not permitted.

---

## 15.6 General Admission for Graduate Studies



**Note:** The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

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

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

**Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.**

### 15.6.1 Application for Admission

Application information and the online application form are available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply). Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent **directly** to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, 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 \$100 in Canadian funds **must** accompany each application, otherwise **it cannot be submitted**. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year.



It is recommended that applicants submit a list of the titles of courses taken 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.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy

### Competency in English

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.

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 mark 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. 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*

### 6.5 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 the prescribed courses, successful candidates will be admitted to the graduate program.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

#### **15.6.10 Reinstatement and Admission of Former Students**

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the Univ

---

## **15.8 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.

### **15.8.1 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 Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

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 *General Information, Regulations and Research Guidelines* Calendar of Graduate and Postdoctoral Studies;
- to submit a complete file for registration to Graduate and Postdoctoral Studies;
- 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*

### **15.8.3 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*

### **15.8.4 Leave of Absence for Health and Parental/Familial Reasons**

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#)).

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 GPS. See procedure under [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#). 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/postdocs/becoming/leave](http://www.mcgill.ca/gps/postdocs/becoming/leave) under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

### **15.8.5 Postdoctoral Research Trainees**

#### **Eligibility**

If your situation does not conform to the *Quebec Ministère de l'Éducation, du Loisir et du Sport* (MELS) 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 cate

## 15.9 Graduate Studies Guidelines and Policies

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



**Note:** The University Exam Regulations governed by the *section 2.16: University Student Assessment Policy* (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at [www.mcgill.ca/students/exams/regulations](http://www.mcgill.ca/students/exams/regulations). The revised Regulations will be published in the *University Regulations and Resources* section of the 2012-2013 *Programs, Courses and University Regulations* publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

### 15.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

#### 1. Assignment of Advisers, Supervisors, and Committees

- i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.
- ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

#### 2. Program

- i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.
- ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.
- iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.
- iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.
- v. **There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.**
- vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

### **3. Responsibilities**

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

### **4. Quality of Supervision and Teaching**

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

*Revised by Council of FGSR, April 23, 1999 and October 6, 2003*

## **15.9.2 Policy on Graduate Student Research Progress Tracking**

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended [section 14.9.1: Guidelines and Regulations for Academic Units on Gr](#)



5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.
6. All forms are to be kept in departmental files.
7. Departments that already have progress tracking forms may continue to utilize them, b

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

-

Charter of Student Rights  
Graduate Studies Reread Policy  
Office for Students with Disabilities

*Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997*

### **15.9.5 Graduate Studies Reread Policy**

**This policy applies only in the case of marks given for written work in 600- and 700-level courses.** For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

#### **Consultation**

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students 441.726 68

*Prepared by the Committee on Graduate Programs, Supervision and Teaching*

*Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995*

### **15.9.6 Health and Parental/Familial Leave of Absence Policy**

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's "Parental Leave Policy" for non-academic staff) reasons or for health reasons.

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 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 GPS.

During a **leave of absence for parental or familial reasons**, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a **leave of absence for health reasons**, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

*Council of FGSR, March 1999*

**Please refer to *University Regulations and Resources > Graduate > Regulations > [section 2.1.11: Leave of Absence Status](#) for information regarding registration of graduate students and Postdocs on such leaves.***

#### **Procedure:**

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed *Leave of Absence/Non-Resident Request Form* available from [www.mcgill.ca/gps/staff/registration](http://www.mcgill.ca/gps/staff/registration);
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

### **15.9.7 Failure Policy**

Please refer to *University Regulations and Resources > Graduate > Regulations > [section 2.14: Failure Policy](#) for information regarding the policy and procedures to follow in cases of failure.*

### **15.9.8 Guideline on Hours of Work**

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

---

## **15.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees* section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted.

### **15.10.2 Regulations on Research Policy**

Please refer to the Regulations on Research Policy available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

### **15.10.3 Policy on Research Integrity**

Please refer to the Policy on Research Integrity available at: [www.mcgill.ca/research/about/integrity](http://www.mcgill.ca/research/about/integrity).

### **15.10.4 Guidelines for Research Involving Human Subjects**

Please refer to the guidelines for research involving human subjects available at: [www.mcgill.ca/research/researchers/compliance/human](http://www.mcgill.ca/research/researchers/compliance/human).

### **15.10.5 Guidelines for Research with Animal Subjects**

Please refer to the guidelines for research involving animal subjects available at: [www.mcgill.ca/research/researchers/compliance/animal](http://www.mcgill.ca/research/researchers/compliance/animal).

### **15.10.6 Policy on Intellectual Property**

Please refer to the Polic

### **15.11.1.2 About Anthropology**

Our Department places high priority on research and on maintaining a distinguished graduate program. Each year, we admit only a small number of very highly qualified applicants for studies leading to the M.A. and Ph.D. degrees in Anthropology. Thus, our students benefit from close supervision by their committees and from peer exchange of high quality. By maintaining a high staff/student ratio, we are able to offer our graduate students an unusual degree of flexibility and personalized attention in designing their programs according to their special interests. There are no comprehensive examinations and the program is particularly congenial to students who are self-directed.

#### *section 15.11.1.5: Master of Arts (M.A.); Anthropology (Thesis) (48 credits)*

The purpose of the M.A. program is to provide advanced-level training in anthropology and to prepare students for research at the Ph.D. level.

#### *section 15.11.1.6: Master of Arts (M.A.); Anthropology (Thesis) —*

***section 15.11.1.11: Doctor of Philosophy (Ph.D.); Anthropology – Sociocultural Stream***

The Ph.D. program in socio-cultural anthropology offers a fieldwork-based doctoral training leading to the writing of a Ph.D. thesis. The program is intended for students wishing to concentrate on socio-cultural issues, in and across major geographic areas (Africa, Latin America, Europe, North America, and Asia).

**15.11.1.3 Anthropology Admission Requirements and Application Procedures**

**15.11.1.3.1 Admission Requirements**

**Master's**

Admission to the M.A. program is open competitively to students holding an Honours or Major B.A. in Anthropology. Outstanding candidates with B.A. degrees in other disciplines but with substantial background related to anthropology are sometimes admitted on the condition that they complete a specified number of additional courses in Anthropology

### Associate Professors

John Galaty; M.A., Ph.D.(Chic.)

Sandra T. Hyde; B.A.(Calif.-Santa Cruz), M.P.H.(Hawaii), Ph.D.(Calif., Berk.)

Carmen Lambert; B.A.(Montr.), M.A., Ph.D.(McG.)

Kristin Norget; B.A.(Vic., BC), M.Phil., D.Phil.(Cant.)

James M. Savelle; B.Sc., M.Sc.(Ott.), M.A.(Ark.), Ph.D.(Alta.)

Colin H. Scott; B.A.(Regina), M.A., Ph.D.(McG.)

### Assistant Professors

Gwen Bennett; B.A.(N'western), M.A., Ph.D.(Calif.-LA) (*joint appt. with East Asian Studies*)

Nicole Couture; B.A.(Trent), M.A., Ph.D.(Chic.)

Eduardo O. Kohn; B.A.(Oberlin), M.A., Ph.D.(Wisc.-Madison)

Setrag Manoukian; B.A.(U. di Venezia), M.A., Ph.D.(Mich.) (*joint appt. with Institute of Islamic Studies*)

Margaret Lisa Stevenson; B.A.(N. Carolina, Chapel Hill), Ph.D.(Calif., Berk.)

Ismael Vaccaro; B.A.(Barcelona), M.A.(E.H.E.SS. Paris), M.A., Ph.D.(Wash.) (*joint appt. with McGill School of Environment*)

#### 15.11.1.5 Master of Arts (M.A.); Anthropology (Thesis) (48 credits)

The student's program of w



**15.11.1.7 Master of Arts (M.A.); Anthropology (Thesis) - Environment (48 credits)**

**Thesis Courses (30 credits)**

ANTH 694	(6)	M.A. Thesis Tutorial 1
ANTH 699	(24)	M.A. Thesis

**Required Courses (6 credits)**

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

**Complementary Courses (12 credits)**

3 credits from:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

9 credits from:

Advanced Topics:





ANTH 790	(3)	Ph.D. Tutorial 1
ANTH 791	(3)	Ph.D. Tutorial 2
ANTH 792	(3)	Ph.D. Tutorial 3
BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy

**Complementary Courses (3 credits)**

3 credits, at the 500, 600, or 700 level, deemed suitable by the student's supervisor, and pre-approved by the Neotropical Environment Director.

**Language Requirement**

A language examination, normally French, must be passed before an oral examination of the research proposal may be scheduled. Francophone students can satisfy the language requirement by demonstrating competency in English. The purpose of the language requirement is to ensure that the student has access to anthropological literature in at least two languages. Under special circumstances, a language other than English or French may be substituted, provided that there is sufficient anthropological literature on the student's research topic in that language.

**Required Courses (48 credits)**

If admitted to Ph.D. 1

ANTH 602	(3)	Theory 1
ANTH 605	(3)	Culture Area
ANTH 609	(6)	Proseminar in Anthropology
ANTH 611	(3)	Research Design
ANTH 660	(3)	Research Methods
ANTH 665	(3)	Quantitative Methods
ANTH 685	(3)	Research Tutorial 1
ANTH 686	(3)	Research Tutorial 2
ANTH 700	(0)	Ph.D. Preliminary Examination
ANTH 702	(3)	Advanced Anthropological Theory
ANTH 760	(3)	Advanced Anthropological Methods
ANTH 790	(3)	Ph.D. Tutorial 1
ANTH 791	(3)	Ph.D. Tutorial 2
ANTH 792	(3)	Ph.D. Tutorial 3
BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy

**Complementary Courses (3 credits)**

3 credits, at the 500, 600, or 700 level, deemed suitable by the student's supervisor, and pre-approved by the Neotropical Environment Director.

**Language Requirement**

A language examination, normally French, must be passed before an oral examination of the research proposal may be scheduled. Francophone students can satisfy the language requirement by demonstrating competency in English. The purpose of the language requirement is to ensure that the student has access to anthropological literature in at least two languages. Under special circumstances, a language other than English or French may be substituted, provided that there is sufficient anthropological literature on the student's research topic in that language.

**15.11.2 Art History****15.11.2.1 Location**

Department of Art History and Communication Studies  
Arts Building, W-225 (West Wing, top floor)

853 Sherbrooke Street West  
Montreal, QC H3A 2T6  
Canada

Telephone: 514-398-4933

Fax: 514-398-7247

Email: [graduate.ahcs@mcgill.ca](mailto:graduate.ahcs@mcgill.ca)

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

### **15.11.2.2 About Art History**

The graduate program in Art History offers M.A. and Ph.D. degrees and is extremely active. The programs cover a wide range of areas of study delimited by the Department's fields of specialization, which include the following: Ancient, Medieval, Renaissance, the 17th, 18th, 19th, and 20th Centuries, Contemporary, Canadian, East Asian, Architectural History, New Media, Print Culture, Gender and Sexuality, Race and Representation, and art historical methodologies, notably feminism and postcolonialism. All of our faculty members are outstanding scholars in their respective fields and are involved in a wide range of major collaborative and individual research projects, many involving faculty from other universities, departments, and programs (such as Communication Studies, English and Literary Studies, Histories of Science and Medicine, Religious Studies, Classics, History, and Women's Studies). These research projects allow us to offer relevant research training opportunities and assistantships to our graduate students.

McGill is situated in one of the most vibrant cities in North America, and Montreal offers myriad opportunities for graduate students to engage with local arts institutions either officially, through internships and research fellowships, or unofficially, through volunteering. Local institutions range from the large-scale public museums (such as the Musée d'art contemporain, the Musée des beaux arts, and the National Gallery of Canada close by in Ottawa) to smaller alternative galleries (such as La Centrale Galerie Powerhouse and Studio XX, feminist arts spaces), as well as university-based venues such as the Redpath Museum on campus and the McCord Museum of Canadian History (which houses the McGill University Archives) and independent contemporary art galleries such as DHC and the Darling Foundry. The Canadian Centre for Architecture, with its archives and exhibitions, and the Bibliothèque et Archives Nationales de Québec also offer grants and research opportunities for local graduate students. A close relationship with the other three major universities in Montreal, Concordia University, Université de Montréal, and Université de Québec à Montréal, affords students access to a broad network.

### **15.11.2.3 Art History Admission Requirements and Application Procedures**

#### **15.11.2.3.1 Admission Requirements**

Entrance into either the M.A. or Ph.D. programs is limited to the best qualified applicants. A minimum CGPA of 3.3 or the equivalent, i.e. 75%, is highly recommended. The Department requires a research statement of at least 250 words outlining the candidate's particular research interest in Art History as well as a sample of his/her written work such as a seminar paper or, in the case of Ph.D. applicants, all or part of the M.A. paper or thesis. For a complete list of materials required see the Application Checklist below.

#### **M.A. Program**

To apply to the M.A. program, candidates are normally expected to have a B.A. degree in art history or in another closely related field; candidates may come from other fields such as literary studies, comparative literature, ethnic studies, Canadian studies, architecture, urban planning, film studies, history, performance studies, or philosophy/aesthetics, but must have taken at least 10 courses relating to the history and theory of some aspect of the visual arts, preferably covering a wide range of historical time periods and geographical regions. In exceptional cases, applicants without a strong background in art history may be admitted but with additional requirements arranged in consultation with the Director of Graduate Studies to be completed before matriculation in the M.A. program.

#### **Ph.D. Program**

In order to apply to the Ph.D. program, candidates must hold an M.A. degree preferably in art history or in a closely related field together with an appropriate number of art history and related courses such as are described for entrance into the M.A. program. All candidates for the Ph.D. program are strongly advised to contact a potential supervisor well in advance of submitting the application in order to establish a relationship. Applicants who have not vetted their research proposal (application statement) with a potential supervisor are unlikely to be admitted.

#### **15.11.2.3.2 Application Procedures**

##### **Application Deadlines**

Dates for Guaranteed Consideration:

- M.A.: January 15 for following September admission.
- Ph.D.: January 15 for following September admission.

No6 Tm(ogram)TjTf1 0 0 1 93.52 4sed courseeF3 8.1 Tf1 0 0 1 93.52 ar 8 Tm(Ph.D.: January 15116.31 30 1 93.52 aTw1e632.18 8.331 451.52 432.2y adv

#### 15.11.2.4 Art History and Communication Studies Faculty

##### Chair

Will Straw

##### Directors

Darin Barney – *Director, Graduate Programs in Communication Studies*

Amelia Jones – *Director, Graduate Programs in Art History*

Cecily Hilsdale – *Director of Undergraduate Programs in Art History*

Roberta G. Lentz – *Director of Undergraduate Programs in Communication Studies*

##### Emeritus Professors

John M. Fossey; B.A.(Birm.), D.U.(Lyon II), F.S.A., R.P.A.

George Szanto; B.A.(Dart.), Ph.D.(Harv.)

##### Professors

Amelia Jones; B.A.(Harv.); M.A.(Penn.); Ph.D.(Calif.)

Marc Raboy; B.Sc., M.A., Ph.D.(McG.)

Christine Ross; M.A.(C'dia.), Ph.D.(Paris I)

Will Straw; B.A.(Car.), M.A., Ph.D.(McG.)

##### Associate Professors

Darin Barney; B.A., M.A.(S. Fraser), Ph.D.(Tor.)

Jenny Burman; B.A.(C'dia), M.A., Ph.D.(York)

Charmaine Nelson; B.F.A., M.A.(C'dia), Ph.D.(Manc.)

Carrie Rentschler; B.A.(Minn.), M.A., Ph.D.(Ill.-Urbana-Champaign)

Jonathan Sterne; B.A.(Minn.), M.A., Ph.D.(Ill.-Urbana-Champaign)

Angela Vanhaelen; B.A.(W. Ont.), M.A., Ph.D.(Br. Col.)

##### Assistant Professors

Cecily Hilsdale; B.F.A.(C'dia), M.A., Ph.D.(Chic.)

MarTj7z 8 312.867 1569.48 297.147 lhf0 G0 gBT/F3 8.1 Tf1 0 0 1 70.6z8119.4

**Required Course (3 credits)**

Adv



ARTH 606	(3)	Research Paper Preparation
ARTH 607	(3)	Research Paper Proposal
ARTH 608	(6)	Research Paper 1
ARTH 609	(6)	Research Paper 2

**Required Courses (6 credits)**

ARTH 600	(3)	Advanced Professional Seminar
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (21 credits)**

All complementary courses must be at the 500 level or higher.

3 credits. s courses j1 0 0 1 125.628 636.882 Tm(3 wj1 0 0 1 1253297 336.882 Tm(3 orkust be ateie 5r:j1 0 0 1 221.949 61519.1 Tm(,)minist )Tsearch P)Symsaliumj1 0



#### 15.11.4.2 About Communication Studies

*section 15.11.4.9: Doctor of Philosophy (Ph.D.); Communication Studies — Gender and Women's Studies*

The graduate option in Gender and Women's Studies (GWS) provides graduate students obtaining degrees in a variety of participating departments and faculties with a cross-disciplinary specialization in feminist, women's, and gender studies. This program is open to graduate students at McGill University enrolled in a department that has approved the option. Students who pursue this option obtain a graduate degree in their own department as well as an "option/concentration" in Gender and Women's Studies (GWS), if the option has been approved by the given department. Thus, the graduate option in Gender and Women's Studies (GWS) will appear on a student's transcript along with the designated graduate degree (M.A. or Ph.D.). The option was developed by the Women's Studies Program in response to needs expressed by the Graduate Group for Feminist Scholarship (GGFS) and to the range of inquiries the Women's Studies Program regularly receives from potential students interested in graduate-level w



18 credits of 500-level or higher COMS courses; two courses outside COMS require approval of the Graduate Program Director.

**Language Requirement**

Reading competency in French as a second language is required

**15.11.4.6 Master of Arts (M.A.); Communication Studies (Thesis) — Gender and Women's Studies (45 credits)**

COMS 521	(3)	Communications in History
COMS 623	(3)	Information Design
COMS 625	(3)	Media Policy
COMS 629	(3)	Canadian Cultural Communications Policy

**Community and Gender in Communication (6 credits)**

Two courses from the following:

Textual

**Required Courses (9 credits)**

COMS 616	(3)	Staff-Student Colloquium 1
		Comprehensiv



**15.11.5.3 East Asian Studies Admission Requirements and Application Procedures**  
**15.11.5.3.1 Admission Requirements**

**General**

A minimum standing equivalent to a cumulative grade point average (CGP

### **Assistant Professors**

Gwen Bennett; B.A.(N'Western), M.A., Ph.D.(Calif.-LA) (*joint appt. with Anthropology*)

Victor Fan; B.M.(Roch.), M.F.A.(USC), Ph.D.(Yale)

Yuriko Furuhashi; B.A.(Int'l. Christian), M.A.(N. Mexico), Ph.D.(Brown)

Adrienne Hurley; B.A.(Col.), M.A.(Mich.), Ph.D.(Calif.)

### **Faculty Lecturers**

Jennie Chang, Myung Hee Kim, Miwako Uesaka, Bill Wang

### **Associate Members**

4. Doctoral Dissertation – A thesis proposal (15-25 pages) should be submitted within six months after successful completion of the Ph.D. Comprehensive Evaluation, after consultation with the Graduate Program Director and the thesis supervisor. Before submission of the dissertation, candidates are expected to spend time in Asia researching their project.

## 15.11.6 Economics

### 15.11.6.1 Location

Department of Economics  
 Stephen Leacock Building, Room 443  
 855 Sherbrooke Street West  
 Montreal, QC H3A 2T7  
 Canada

Telephone: 514-398-4800

Fax: 514-398-4938

Email: [graduate.economics@mcgill.ca](mailto:graduate.economics@mcgill.ca)

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

### 15.11.6.2 About Economics

The Department of Economics offers M.A. and Ph.D. programs that attract students from all over the world. Faculty members conduct research in all areas of economics, with particularly strong representation in the field of econometrics, development, and natural resources. The Department counts among its members a holder of a Canada Research Chair, two James McGill professors, a William Dawson scholar, and an Officer of the Order of Canada (who is also a Bank of Canada Research Fellow), and two Fellows of the Royal Society of Canada.

Note: Changes may take place after this information has been published. Students are advised to contact the Department office for supplementary information, which may be important to their choice of program.

Lectures and examinations in the graduate program (M.A. and Ph.D.) in Economics are given in Macroeconomics, Microeconomics, and several fields: Econometrics; Economic Development; Economic History; Industrial Organization; Health Economics; International Economics; Labour Economics; Monetary Economics; Public Finance; Mathematical Economics; Advanced Theory.

#### *section 15.11.6.5: Master of Arts (M.A.); Economics (Thesis) (48 credits)*

The Master of Arts program in Economics (Thesis) serves students preparing for a Ph.D. in Economics. The Department offers courses in all areas of Economics. For students who wish to complement disciplinary training in Economics with research experience in applying statistical methods across the social sciences, the Department offers the Social Statistics Option.

#### *section 15.11.6.6: Master of Arts (M.A.); Economics (Non-Thesis) (45 credits)*

The Master of Arts program in Economics (Non-Thesis) serves students seeking to solidify and deepen their understanding of economics prior to a career in government or the private non-academic sector, and those preparing for a Ph.D. in economics. The Department offers courses in all areas of Economics. For students who wish to complement disciplinary training in Economics with research experience in applying statistical methods across the social sciences, the Department offers the Social Statistics Option.

#### *section 15.11.6.7: Master of Arts (M.A.); Economics (Non-Thesis) — Development Studies (45 credits)*

For those students interested in the interdisciplinary study of development, anchored in economics, the Department offers the Development Studies Option (DSO). This program is offered as an option within existing M.A. and Ph.D. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. or Ph.D. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. or Ph.D. thesis must be on a topic relating to development studies, approved by the DSO Coordinating Committee.

#### *section 15.11.6.8: Master of Arts (M.A.); Economics (Non-Thesis) — Social Statistics (45 credits)*

For students who wish to complement disciplinary training in Economics with research experience in applying statistical methods across the social sciences, the Department offers the Social Statistics Option. Students will normally complete the usual program course requirements, supplemented by further statistical courses, as advised by the option adviser, and subject to approval by the home department. Students will complete a statistics-based M.A. research paper (Economics, Political Science, Sociology) or thesis (Geography) in conjunction with an interdisciplinary capstone seminar. Acceptance into the program is by application to the Social Statistics Option Committee and is contingent on acceptance into the M.A. program in one of the participating departments (Economics, Geography, Political Science, Sociology), which in turn requires meeting Graduate and Postdoctoral Studies admission requirements.

### **section 15.11.6.9: Doctor of Philosophy (Ph.D.); Economics**

The Ph.D. program in Economics is designed to prepare students for research, whether in an academic or government setting, and teaching. The Department's faculty members conduct research in all areas of economics. The low student-faculty ratio ensures students receive individual attention to their own research, and are able to act as research assistants to the faculty. The Department collaborates with the four other economics departments in Montreal to extend the Ph.D.-level course offerings and invite numerous external speakers.

### **15.11.6.3 Economics Admission Requirements and Application Procedures**

#### **15.11.6.3.1 Admission Requirements**

An Honours B.A. in Economics is the normal requirement, although students holding an ordinary B.A., whether in economics or another discipline, may also be eligible for admission. Students judged by the admissions committee to have deficiencies in their preparation in economics may be admitted to a qualifying year in which they undertake advanced undergraduate work.

Students who have not previously passed a suitable course in statistics must take the undergraduate honours Statistics course, ECON 257D1/ECON 257D2. A course in the history of economic thought is also a prerequisite for a graduate degree in economics, and students who have not taken such a course will be required to take ECON 460 and ECON 461 or ECON 660 (the M.A. course in History of Economic Thought). Students are also expected to have completed or to complete three terms of introductory calculus and at least one term of linear algebra.

#### **15.11.6.3.2 Application Procedures**

Applications will be considered upon receipt of:

1. online application form;
2. two copies of official transcripts sent by the university;
3. two letters of reference;
4. application fee of \$100;
5. original TOEFL and/or GRE results, if applicable.

Information and online application form can be accessed from the Economics Department website at [www.mcgill.ca/economics](http://www.mcgill.ca/economics).

#### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

### **15.11.6.4 Economics Faculty**

#### **Chair**

John W. Galbraith

#### **Emeritus Professors**

Antal Deutsch; B.Com.(Sir G. o7F:cG 42for guaranteeSir G2187585.88 Joseph Gat nbte honours Sta 152 G2187585.88 g;disciplMsciplm.(o7FH03 speak

---

### Associate Professors

Francisco Alvarez-Cuadrado; B.Sc.(U. Pontifica Comillas), M.A., Ph.D.(Wash.)  
Hassan Benchekroun; Diplôme d'ingénieur d'état(École Mohamedia des ingénieurs, Morocco), Ph.D.(Laval)  
Jim Engle-Warnick; B.S.(Akron), M.B.A.(Carn. Mell), Ph.D.(Pitt.) (*William Dawson Scholar*)  
Franque Grimard; B.A.(York), Ph.D.(Princ.)  
C. John Kurien; B.A.(Kerala), M.A., Ph.D.(Vanderbilt)  
Sonia Laszlo; B.A.(Ott.), M.A.(W. Ont.), Ph.D.(Tor.)  
Christopher T.S. Ragan; B.A.(Vic., BC), M.A.(Qu.), Ph.D.(MIT)  
Thomas Velk; M.S., Ph.D.(Wisc.)  
William Watson; B.A.(McG.), Ph.D.(Yale)  
Licun Xue; B.Eng., M.Eng.(Tianjin), M.A., Ph.D.(McG.)

### Assistant Professors

Matthieu Chemin; M.Sc.(École Centrale Paris), M.Sc., Ph.D.(LSE)  
Markus Poschke; M.Sc.(Maastricht), M.A.(Institut d'Études Politiques, Paris), M.Res., Ph.D.(European University Institute, Italy)  
Maxim Sinitsyn; B.A.(Central Methodist College), M.S.(Ill.), M.A., Ph.D.(N'western)  
Erin Strumpf; B.A.(Smith), Ph.D.(Harv.)

### 15.11.6.530 ~~Master of Arts (M.A.)~~ Economics (Thesis) (48 credits)

ECON 610	(3)	Microeconomic theory 1
ECON 620	(3)	Macroeconomic theory 1

Students who are strongly recommended will not meet the 6-credit field requirement for the M.A.

ECON 662D1	(3)	Econometrics
ECON 662D2	(3)	Econometrics
ECON 665	(3)	Quantitative Methods

### 15.11.6.610 ~~Master of Arts (M.A.)~~ Economics (Non-Thesis) (45 credits)

ECON 650	(3)	Research 1
----------	-----	------------

ECON 651	(3)	Research 2
ECON 680	(3)	M.A. Report 1
ECON 681	(3)	M.A. Report 2
ECON 682	(3)	M.A. Report 3
ECON 683	(3)	M.A. Report 4

**Required Courses (9 credits)**

ECON 610	(3)	Microeconomic Theory 1
ECON 620	(3)	Macroeconomic Theory 1
ECON 654	(3)	Research Methods in Economics

**Complementary Courses (18 credits)**

Must include either:

ECON 662D1	(3)	Econometrics
ECON 662D2	(3)	Econometrics
ECON 665	(3)	Quantitative Methods

Note: ECON 662D1/D2 or equivalent is strongly recommended but will not meet the 6-credit field requirement for the M.A.

Additional courses, at the 500, 600, or 700 level, as determined by the student's area of study.

**15.11.6.7 Master of Arts (M.A.); Economics (Non-Thesis) — Development Studies (45 credits)****Research Project (18 credits)**

ECON 650	(3)	Research 1
ECON 651	(3)	Research 2
ECON 680	(3)	M.A. Report 1
ECON 681	(3)	M.A. Report 2
ECON 682	(3)	M.A. Report 3
ECON 683	(3)	M.A. Report 4

**Required Courses (15 credits)**

ECON 610	(3)	Microeconomic Theory 1
ECON 620	(3)	Macroeconomic Theory 1
ECON 634	(3)	Economic Development 3
ECON 734	(3)	Economic Development 4
INTD 657	(3)	Development Studies Seminar

**Complementary Courses (12 credits)**

3 or 6 credits from:

ECON 662D1	(3)	Econometrics
ECON 662D2	(3)	Econometrics
ECON 665	(3)	Quantitative Methods

6 or 9 credits of additional courses, at the 500, 600, or 700 level related to international development studies to be chosen in consultation with an adviser.

**15.11.6.8 Master of Arts (M.A.);Economics (Non-Thesis) — Social Statistics (45 credits)**

The program complements disciplinary training with research e4Canada data45 or equi1 0 0 1 271508ao97dits)18ts)

Industrial Organization

International Economics

Health Economics

Labour Economics

Monetary Economics

Public Finance

Other field combinations may be considered by the Graduate Program Director as requested.

## **15.11.7 English**

### **15.11.7.1 Location**



**section 15.11.7.7: Doctor of Philosophy (Ph.D.); English**

the two second-term courses one extended supervised optional research project. Courses must be chosen in order to make possible the identification of a major and a minor area of concentration. In Ph.D. 3, candidates complete a compulsory research project in the area of the dissertation and submit the dissertation proposal. This project, a unique feature of the McGill Ph.D., replaces comprehensive exams and allows students to work on a publishable piece of research. The language requirement must be fulfilled before the dissertation proposal is approved. The Department urges candidates to complete the Ph.D. program within six years. A candidate intending to submit the thesis to meet the deadline for Spring Convocation must give notice of this intention before January 1. A candidate intending to meet the deadline for Fall Convocation must give such notice before May 1. The majority of students who complete the Ph.D. proceed to postdoctoral fellowships and teaching positions, either at CEGEP or university.

**15.11.7.3 English Admission Requirements and Application Procedures****15.11.7.3.1 Admission Requirements**

A statement of proposed research, transcripts, writing sample, and two letters of recommendation are required of all applicants.

**M.A. Degree**

Admission to the M.A. program requires an honours degree in English or its equivalent. Outstanding applicants from related disciplines may be invited to take a qualifying year.

**Ph.D. Degree**

Admission to the doctoral program is highly competitive. Outstanding students with the master's degree in hand are accepted into Ph.D. 2. In rare circumstances, outstanding graduates of B.A. programs will be considered for "fast-tracking" into the doctoral program, entering at Ph.D. 1. They follow the M.A. program (Thesis option) and if at the end of the first year their work is evaluated successfully, they go on to complete the remaining requirements of the Ph.D. program.

**15.11.7.3.2 Application Procedures**

Applications will be considered upon receipt of:

1. application form;
2. transcripts (two copies);
3. two letters of reference;
4. \$100 application fee;
5. a writing sample;
6. statement of proposed research.

All information is to be submitted directly to the Graduate Coordinator.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

**15.11.7.4 English Faculty****Chair**

Allan Hepburn

**Emeritus Professors**

M.D. Bristol; A.B.(Yale), Ph.D.(Princ.)

M. Puhvel; B.A., M.A.(McG.), Ph.D.(Harv.)

J. Ripley; B.A., M.A.(New Br.), Ph.D.(Birm.)

D. Suvin; B.A., M.Sc., Ph.D.(Zagreb), F.R.S.C.

W.C. Wees; B.A.(N'western), M.A.(Roch.), Ph.D.(N'western)

D. Williams; B.A.(Boston), M.A., Ph.D.(Tor.)

**Professors**

K. Borris; B.A.(Vic., BC), Ph.D.(Edin.)

M.N. Cooke; B.A.(Qu.), M.A.(C'nell), M.A., Ph.D.(Tor.)

A. Hepburn; B.A., M.A.(W. Ont.), Ph.D.(Princ.)

**Professors**

M.A. Kilgour; B.A.(Tor.), Ph.D.(Yale) (*Molson Professor of English*)  
 M. Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)  
 R. Lecker; B.A., M.A., Ph.D.(York) (*Greenshields Professor of English*)  
 P. Sabor; B.A.(Camb.), M.A.(Qu.), Ph.D.(Lond.) (*Canada Research Chair in 18th Century Studies*)  
 M. Stenbaek; B.A.(Copen.), M.A., Ph.D.(Montr.)  
 B. Trehearne; B.A., M.A., Ph.D.(McG.)  
 P. Yachnin; B.A.(McG.), M.Litt.(Edin.), Ph.D.(Tor.) (*Tomlinson Chair in Shakespeare Studies*)

**Associate Professors**

D.A. Bray; B.A.(McG.), Ph.D.(Edin.)  
 S. Carney; B.A.(Manit.) M.A.(Alta.), Ph.D.(York)  
 W. Folkerth; B.A.(Calif. St.), M.A., Ph.D.(McG.)  
 J. Fumo; B.A.(Mass.-Amh.), M.A., Ph.D.(Princ.)  
 P. Gibian; B.A.(Yale), M.A.(NYU), Ph.D.(Stan.)  
 Y. Halevi-Wise; B.A.(Hebrew), M.A.(G'town), Ph.D.(Princ.)  
 D.C. Hensley; B.A., M.A.(Cant.), Ph.D.(Yale)  
 M. Hickman; B.A.(Brown), M.A., Ph.D.(Mich.)  
 E. Hurley; B.A.(McG.), M.A.(Brown), Ph.D.(CUNY)  
 B. Kaite; B.A.(C'dia), M.A.(McM.), Ph.D.(Car.)  
 T. Mole; B.A., M.A., Ph.D.(Bristol) (*William Dawson Scholar*)  
 M. Morgan; B.A.(Harv.), Ph.D.(Stan.)  
 P. Neilson; B.A.(Bishop's), M.F.A.(Calg.)  
 D. Nystrom; B.A.(Wisc.), M.A., Ph.D.(Virg.)  
 T. Ponech; B.A.(McG.), Ph.D.(N'western)  
 D. Salter; B.A.(Br. Col.), M.A., Ph.D.(Tor.)  
 N. Schantz; B.A.(Stan.), M.A., Ph.D.(USC)  
 M.W. Selkirk; B.A.(Alta), M.F.A.(Ill.)  
 T. Sparks; B.A.(Bates College), M.A., Ph.D.(Wash.)

**Assistant Professors**

T. Heise; B.A.(Flor. St.), M.A.(Calif., Davis), Ph.D.(NYU)  
 A. Osterweil; B.A., M.A.(NYU), Ph.D.(Calif., Berk.)  
 M. Popescu; B.A., M.A.(Bucharest), M.A.(Windsor), Ph.D.(Penn.)  
 F. Ritchie; B.A., M.A.(Durh.), Ph.D.(Lond.)  
 A. Thain; B.A.(McG.), Ph.D.(Duke)  
 M. Van Dussen; B.A.(Ohio Wesl.), M.A., Ph.D.(Ohio St.)

**15.11.7.5 Master of Arts (M.A.); English (Thesis) (48 credits)****Thesis Courses (27 credits)**

ENGL 695	(3)	M.A. Thesis Preparation
ENGL 699	(24)	M.A. Thesis

**Required Courses (6 credits)**

ENGL 694	(6)	Bibliography Seminar
----------	-----	----------------------

**Complementary Courses (15 credits)**

15 credits of Departmental seminar courses at the 500, 600, or 700 level.

**15.11.7.6 Master of Arts (M.A.); English (Non-Thesis) (48 credits)****Research Project (18 credits)**

ENGL 681	(3)	M.A. Research Paper Preparation 1
ENGL 682	(3)	M.A. Research Paper Preparation 2
ENGL 683	(3)	M.A. Research Paper Preparation 3
ENGL 684	(9)	M.A. Research Paper

**Required Courses (9 credits)**

ENGL 693	(3)	Research Methods
ENGL 694	(6)	Bibliography Seminar

**Complementary Courses (21 credits)**

21 credits of Departmental seminar courses at the 500, 600, or 700 level.

**15.11.7.7 Doctor of Philosophy (Ph.D.); English****Thesis****Required Courses (15 credits)**

ENGL 787	(3)	Research Seminar 1
ENGL 788	(3)	Research Seminar 2
ENGL 797	(6)	Compulsory Research Project
ENGL 798	(3)	Dissertation Proposal

**Complementary Courses (12 credits)**

Four Departmental seminars

OR

two Departmental seminars and

ENGL 796	(6)	Research Project
----------	-----	------------------

**15.11.8 French Language and Literature****15.11.8.1 Coordonnées**

Département de langue et littérature françaises  
 Pavillon des Arts  
 853, rue Sherbrooke ouest  
 Montréal, Québec H3A 2T6

Téléphone: 514-398-6883  
Télécopieur: 514-398-8557  
Courriel: [grad.littfran@mcgill.ca](mailto:grad.littfran@mcgill.ca)  
Site web: [litterature.mcgill.ca](http://litterature.mcgill.ca)

### **15.11.8.2 Generalités : Langue et littérature françaises**

Le DLLF offre un environnement particulièrement convivial et stimulant pour des étudiants qui souhaitent faire une maîtrise ou un doctorat dans le vaste domaine des littératures de langue française, des théories littéraires ou de la traduction littéraire. Le DLLF offre aussi un M.A. avec option en écriture littéraire (« création littéraire » et « traduction littéraire »). Le DLLF accorde un financement garanti aux meilleurs de ses étudiants, ainsi que des bourses et des assistanats de recherche (et des charges d'enseignement pour les étudiants de Ph.D.). Nous sommes l'un des seuls Départements de littérature en Amérique à avoir signé une entente officielle avec l'École Normale Supérieure de Paris grâce à laquelle nous offrons un stage d'un an à certains étudiants de Ph.D.

M.A. avec mémoire et sans mémoire, et Ph. D.

#### **Maîtrise**

Le programme de maîtrise est à la fois un programme complet en soi et une première étape vers le Ph. D. Il vise deux buts également importants :

- 1.** Permettre à l'étudiant de compléter et d'approfondir ses connaissances dans le domaine littéraire grâce à un programme d'enseignement portant sur les

La soutenance de la thèse a lieu devant un jury d'au moins six personnes, présidé par un représentant du Doyen; font partie du jury le comité-conseil de l'étudiant et deux autres professeurs, dont le Directeur du Département et au moins un universitaire e

**15.11.8.32 Demande d'admission**

En plus de deux lettres de recommandation et des relevés de notes officiels, les étudiants de l'extérieur du Département doivent fournir un échantillon de travail écrit, en français.

Le formulaire de demande d'admission par le web est disponible pour tous les candidats aux études supérieures à l'adresse suivante:  
<http://français.mcgill.ca/gradapplicants/apply>.

**Dernières dates de réception garantissant l'examen des demandes**

Pour vérifier les dernières dates de réception garantissant l'examen des demandes, veuillez consulter le site web suivant :  
<http://français.mcgill.ca/gradapplicants/programs> et sélectionner le programme approprié.

Nous n'examinerons aucune demande d'admission visant le trimestre d'été.

**15.11.8.4 French Language and Literature Faculty****Directeur**

Professeur Michel Biron

**Directeur des études de 2e et 3e cycles et de la recherche**

Professeur Isabelle Daunais

**Professeurs émérites**

J.-P. Boucher; M.A.(McG.), Dr. 3e Cy.(Besançon)

G. Di Stefano; Dr. ès L.(Turin), Dipl. Phil., Dr. 3e Cy.(Paris - Sorbonne)

J.-P. Duquette; L. ès L.(Montr.), Dr. 3e Cy.(Paris X - Nanterre)

Y. Lamonde; M.A.(Montr.), Dr. 3e Cy.(Paris X - Nanterre)

F. Ricard; M.A.(McG.), Dr. 3e Cy.(Aix-Marseille), M.S.R.C. (*James McGill Professor*)

Y. Rivard; M.A.(McG.), Dr. 3e Cy.(Aix-Marseille)

**Professeurs**

M. Angenot; L. Phil. Romane, Dr. Phil. & Lettres(Bruxelles), M.S.R.C. (*James McGill Professor*)

M. Biron; M.A.(Montr.), Dr. Phil. & Lettres(Liège) (*Chaire de recherche du Canada en littérature québécoise et littératures francophones*)

I. Daunais; M.A., Ph.D.(McG.)

D. Desrosiers-Bonin; M.A., Ph.D.(Montr.) (*James McGill Professor*)

**Professeurs agrégés**

A. Bernadet; M.A., D.E.A., Dr. 3e Cy.(Paris VIII)

C. Bouchard; M.A.(Montr.), Dr. 3e Cy.(Paris VII - Jussieu)

A. Chapdelaine; M.A., Dr. 3e Cy.(Paris VII - Jussieu)

F. Charbonneau; M.A., Ph.D.(Montr.) (*William Dawson Scholar*)

N. Doiron; M.A., Ph.D.(Montr.)

J. Everett; M.A.(Car.), Ph.D.(McG.)

G. Lane-Mercier; M.A.(Montpellier), Ph.D.(McG.)

**Professeurs adjoints**

I. Arseneau; M.A.(W. Ont.), Ph.D.(Montr.)

P. Brissette; M.A.(Montr.), Ph.D.(McG.)

A. Farah; M.A., Ph.D.(UQAM)

C. Leclerc; M.A.(UQAM), Ph.D.(C'dia)

**15.11.8.5 Master of Arts (M.A.); Langue et littérature françaises (avec mémoire) (48 crédits)**

**Mémoire (24 crédits)**

FREN 699 (24) M.A. Thesis

**Cours obligatoires (9 crédits)**

FREN 696 (6) Élaboration projet de mémoire

FREN 697 (3) Méthodologie et théorie littéraires

**Cours complémentaires (15 crédits)**

5 séminaires; un maximum de 6 crédits peuvent être suivis dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l'annuaire des Études supérieures et postdoctorales, ou dans une autre université.

Les séminaires suiv

### 15.11.8.8 Doctor of Philosophy (Ph.D.); Langue et littérature françaises

#### Thèse

#### Épreuve d'anglais

Tous les étudiants de Ph.D. doivent réussir, avant le dépôt de leur thèse, une épreuve destinée à vérifier leur connaissance de la langue anglaise (FREN 790).

Peuvent être dispensés de cette épreuve les traducteurs professionnels et les étudiants qui ont fait des études antérieures dans des collèges ou des universités anglophones, à condition que leur programme ait comporté des cours donnés en anglais. Le fait d'avoir suivi un ou plusieurs cours de traduction ne suffit pas.

Aucune dispense n'est automatique. Les demandes de dispense doivent être soumises par écrit au Comité des études de 2e et 3e cycles et de la recherche.

#### Ph.D. II

#### Cours obligatoires (3 crédits)

Trois séminaires au choix, ainsi que les Séminaires de doctorat suivants qui sont obligatoires:

FREN 710	(1.5)	Séminaire de doctorat 1
FREN 711	(1.5)	Séminaire de doctorat 2
FREN 790	(0)	Language Requirement

#### Ph.D. III

#### Cours obligatoires

FREN 706	(0)	Élaboration du sujet de thèse
FREN 707	(0)	Examen préliminaire

Les étudiants de doctorat peuvent obtenir un maximum de 3 crédits en suivant des cours hors du Département, que ce soit à McGill (cours décrits dans l'annuaire des Études supérieures et postdoctorales ('University Calendar of Graduate and Postgraduate Studies') ou dans une autre université. L'étudiant qui choisit cette option doit obtenir l'autorisation du Directeur des études de 2e et 3e cycles et de la recherche, autorisation qui ne sera accordée que si les cours en question cadrent avec son programme d'études et sont du niveau approprié.

### 15.11.8.9 Doctor of Philosophy (Ph.D.); Langue et littérature françaises — études sur les femmes et le genre

L'Option en études sur les femmes et le genre (« Graduate Option in Gender and



Un séminaire (3 crédits) au choix de niveau 500 ou plus parmi les séminaires du Département qui ont été approuvés par l'option et qui portent sur les femmes et le genre. Ce cours ne peut pas être suivi à l'extérieur du Département.

## **15.11.9 Geography**

### **15.11.9.1 Location**

Department of Geography  
Burnside Hall  
805 Sherbrooke Street West, Room 705  
Montreal, QC H3A 2K6  
Canada

Telephone: 514-398-4111  
Fax: 514-398-7437  
Email: [grad.geog@mcgill.ca](mailto:grad.geog@mcgill.ca)  
Website: [www.geog.mcgill.ca](http://www.geog.mcgill.ca)

### **15.11.9.2 About Geography**

The Department of Geography offers a research and thesis-based graduate program leading to a Master of Arts (M.A.), Master of Science (M.Sc.), and a doctorate (Ph.D.). In its scope, our program includes the opportunity to conduct field-based studies in both the natural (i.e., biophysical) and the social sciences. Thematic areas of study include Political, Urban, Economic and Health Geography, Environment and Human De

***Faculty of Arts > Academic Programs > Geography > [section 15.11.9.6: Master of Arts \(M.A.\); Geography \(Thesis\) — Environment \(45 credits\)](#)***

The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9), and complementary Geography and Environment (12) courses. The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic, and ethical judgments have. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

***Faculty of Arts > Academic Programs > Geography > [section 15.11.9.7: Master of Arts \(M.A.\); Geography \(Thesis\) — Neotropical Environment \(45 credits\)](#)***

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for master's or Ph.D. students offered in association with several University departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama). The option includes thesis (30 credits), required courses in Geography, Environment, and Biology (9), and complementary courses (6) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favors interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

***Faculty of Arts > Academic Programs > Geography > [section 15.11.9.8: Master of Arts \(M.A.\); Geography \(Thesis\) — Development Studies \(45 credits\)](#)***

The Development Studies Option (DSO) is cross-disciplinary in scope within existing Master's programs in Geography, Anthropology, History, Political Science, Economics, and Sociology. Its components include the thesis (30 credits) and required (6) International Development and Geograph



**15.11.9.3.2 Application Procedures**

Applicants will be considered upon receipt of:

1. application form;
2. official transcripts;
3. **two** letters of reference for master's; **three** for Ph.D.;
4. \$100 application fee;
5. statement of proposed research;
6. official TOEFL or IELTS score (when necessary).

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

**15.11.9.4 Geography Faculty****Chair**

T. R. Moore (*as of September 2011*)

**Graduate Program Director**

George Wenzel

**Post-Retirement**

S.H. Olson; M.A., Ph.D.(Johns Hop.)

**Professors**

P.G. Brown; M.A., Ph.D.(Col.) (*joint appt. with McGill School of Environment*)

T.R. Moore; Ph.D.(Aberd.)

N.T. Roulet; M.Sc.(Trent), Ph.D.(McM.) (*James McGill Professor*)

G. Wenzel; M.A.(Manit.), Ph.D.(McG.)

**Associate Professors**

G.L. Chmura; M.Sc.(Rhode Is.), Ph.D.(Louis. St.)

O.T. Coomes; M.A.(Tor.), Ph.D.(Wisc. Mad.)

B. Forest; A.B.(Chic.), Ph.D.(Calif.-LA)

M.F. Lapointe; M.Sc.(McG.), Ph.D.(Br. Col.)

T.C. Meredith; M.Sc., Dip.Cons.(Lond.), Ph.D.(Cant.)

W.H. Pollard; M.A.(Guelph), Ph.D.(Ott.)

N.A. Ross; M.A.(Qu.), Ph.D.(McM.)

R. Sieber; M.P.A.(W. Mich.), Ph.D.(Rutg.) (*joint appt. with McGill School of Environment*)

I.B. Strachan; B.Sc.(Tor.), M.Sc., Ph.D.(Qu.) (*cross appt. with Natural Resource Sciences*)

J. Unruh; M.S.(Wisc.), Ph.D.(Ariz.)

**Assistant Professors**

L. Barrang-Ford; M.A.(Oxf.), Ph.D.(Guelph)

S. Breau; M.A.(Laval), Ph.D.(Calif.-LA)

B. Lehner; Ph.D.(Frankfurt)

J. Ford; Ph.D.(Guelph)

M. Kalacska; Ph.D.(Alta.)

**Assistant Professors**

N. Oswin; M.A.(Dal.), Ph.D.(Br. Col.)

G. Peterson; M.Sc., Ph.D.(Flor.)

N. Ramankutty; M.Sc.(Ill.), Ph.D.(Wisc.)

R. Sengupta; M.Sc., Ph.D.(Ill.)

S. Turner; M.Soc.Sc.(Waikato, N.Z.), Ph.D.(Hull, UK)

**Adjunct Professors**

R. Cooke, E. Levac

**Course Lecturer**

G. Akman

**15.11.9.5 Master of Arts (M.A.); Geography (Thesis) (45 credits)****Thesis Courses (30 credits)**

GEOG 698 (6) Thesis Proposal

GEOG 699 (24) Thesis Research

**Required Courses (3 credits)**

GEOG 631 (3) Methods of Geographical Research

**Complementary Courses (12 credits)**

12 credits, four 3-credit courses at the 500 level or above selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

**15.11.9.6 Master of Arts (M.A.); Geography (Thesis) — Environment (45 credits)**

The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9 credits), and complementary Geography and Environment (12 credits) courses.

**Thesis Courses (24 credits)**

GEOG 697 (18) Thesis Research (Environment Option)

GEOG 698 (6) Thesis Proposal

**Required Courses (9 credits)**

ENVR 610 (3) Foundations of Environmental Policy

ENVR 650 (1) Environmental Seminar 1

ENVR 651 (1) Environmental Seminar 2

ENVR 652 (1) Environmental Seminar 3

GEOG 631 (3) Methods of Geographical Research

**Complementary Courses (12 credits)**

9 credits of courses at the 500 level or higher selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

3 credits, one course chosen from one of the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500 level or higher recommended by the advisory committee and approved by the Environment Option Committee.

**15.11.9.7 Master of Arts (M.A.); Geography (Thesis) — Neotropical Environment (45 credits)**

The Neotropical Environment Option is offered in association with several university departments, the McGill School of EnT

**Complementary Courses (9 credits)**

9 credits of courses at the 500 level or higher related to geography and international development studies to be chosen in consultation with an adviser. GEOG 696 can count among these complementary credits for students with an appropriate background.

**15.11.9.9 Master of Arts (M.A.); Geography (Thesis) — Gender and Women's Studies (45 credits)**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Geography who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's M.A. thesis must be on a topic centrally relating to issues of gender and/or women's studies.

Note: Candidates for the M.A. degree follow an individual program approved by the Department.

**Thesis Courses (30 credits)**

GEOG 698	(6)	Thesis Proposal
GEOG 699	(24)	Thesis Research

**Required Courses (6 credits)**

GEOG 631	(3)	Methods of Geographical Research
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (9 credits)**

6 credits at the 500 level or above in Geography. GEOG 696 can count among these complementary credits for students with an appropriate background.

WMST 602	(3)	Feminist Research Symposium
----------	-----	-----------------------------

OR one 3-credit graduate course on gender/women's issues.

**15.11.9.10 Master of Arts (M.A.); Geography (Thesis) — Social Statistics (45 credits)**

The Social Statistics Option focuses on applications of quantitative methods in social science and is composed of the thesis (30 credits), required Geography courses (6 credits) and complementary Geography, Sociology, Economics, and Political Science courses (9 credits).

**Thesis Courses (30 credits)**

GEOG 698	(6)	Thesis Proposal
GEOG 699	(24)	Thesis Research

**Required Courses (6 credits)**

GEOG 631	(3)	Methods of Geographical Research
GEOG 634	(3)	Quantitative Methods in Geography

**Complementary Courses (9 credits)**

6 credits, two 3-credit graduate-level courses selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

#### **15.11.9.11 Doctor of Philosophy (Ph.D.); Geography**

The doctoral degree in Geography includes the successful completion of the comprehensive examination, a thesis based on original research and coursework chosen in collaboration with the student's supervisor and/or research committee. The main elements of the Ph.D. are the thesis and comprehensive examination, a required Methods of Geographical Research course (3 credits), and a minimum of two complementary courses (6 credits). The Ph.D. in Geography also includes several options.

##### **Thesis**

##### **Required Courses**

GEOG 631	(3)	Methods of Geographical Research
GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

##### **Complementary Courses**

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

#### **15.11.9.12 Doctor of Philosophy (Ph.D.); Geography — Environment**

The option consists of the thesis and comprehensive examination, required courses (9 credits) from Geography and Environment and complementary courses (9 credits) in Environment or other fields recommended by the research committee and approved by the Environment Option Committee.

##### **Thesis**

##### **Required Courses**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
GEOG 631	(3)	Methods of Geographical Research

##### **Complementary Courses**

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500 level or higher recommended by the advisory committee and approved by the Environment Option Committee.



**Comprehensives**

GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

**15.11.9.13 Doctor of Philosophy (Ph.D.); Geography — Gender and Women's Studies**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Geography who wish to pursue a Ph.D. in Women's Studies.

## **15.11.10 German Studies**

### **15.11.10.1 Location**

Department of German Studies  
688 Sherbrooke Street West, Suite 425  
Montreal, QC H3A 3R1  
Canada

Telephone: 514-398-3650

Fax: 514-398-1748

Email: [german.studies@mcgill.ca](mailto:german.studies@mcgill.ca)

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

### **15.11.10.2 About German Studies**

Faculty research specializations in German Studies cover philology and literary history from the 18th century to the present, film studies, history of the book, philosophy, intellectual history, and the history of the German left. Students may specialize in literature, intellectual history, film, and/or German media studies. Students in our Department often spend time abroad in Germany and Austria and take part in conference and workshop organization. Notable facilities and resources connected with German Studies include the Interacting with Print research group and the Moving Image Research Laboratory.

### 15.11.10.3.2 Application Procedures

1. Application form.
2. Two certified copies of all university transcripts (all transcripts not in English or French must be accompanied by a certified English or French translation).
3. Two letters of recommendation (in English or French).
4. \$100 application fee.
5. Test results; TOEFL required of all applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone). Minimum score of 86, with each component score not less than 20, required on the Internet-based TOEFL examination. Proof of TOEFL must be presented at time of application or shortly thereafter.
6. Writing sample.
7. Statement of academic intent.

All information is to be submitted directly to the Graduate Coordinator in the Department of German Studies.

#### Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

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

### 15.11.10.4 German Studies Faculty

#### Chair

K. Bauer

#### Director of Graduate Studies

M. Cowan

#### Emeritus Professor

P.M. Daly; B.A.(Brist.), Ph.D.(Zür.)

#### Professor

P. Peters; Ph.D.(Free Univ., Berlin)

#### Associate Professors

K. Bauer; M.A., Ph.D.(Wash.)

M. Cowan; B.A., Ph.D.(Calif., Berk.)

A. Piper; B.A.(Princ.), Ph.D.(Col.) (*on sabbatical 2011-2012*)

### 15.11.10.5 Master of Arts (M.A.); German (Thesis) (48 credits)

#### Thesis Courses (30 credits)

GERM 690	(9)	Thesis Research 1
GERM 691	(9)	Thesis Research 2
GERM 692	(12)	Thesis Research 3

#### Complementary Courses (18 credits)

### 15.11.10.6 Master of Arts (M.A.); German (Non-Thesis) (45 credits)

#### Research Project (18 credits)

GERM 680	(6)	Research Paper 1
GERM 681	(6)	Research Paper 2
GERM 682	(6)	Research Paper 3

#### Complementary Courses (27 credits)

Nine 3-credit courses chosen from any graduate seminar listed as offered in the Department of German Studies. With the approval of the Graduate Studies Committee, students are permitted to take a maximum of 3 credits in another department.

### 15.11.10.7 Doctor of Philosophy (Ph.D.); German

#### Thesis

#### Required Course

GERM 701	(0)	Ph.D. Comprehensive Examination
----------	-----	---------------------------------

#### Complementary Courses

Eight 3-credit courses (24 credits); with the approval of the Graduate Studies Committee, students are permitted to take a maximum of 6 credits in another department.

#### Language Requirement

French Language examination or Latin (if specializing in German Literature before 1600).

Original research leading to new insights is a prerequisite for the acceptance of a Ph.D. thesis.

As a rule, it will take a student at least three years after the M.A. degree to complete the requirements for the Ph.D. degree. Students who have not spent an appreciable length of time in a German-speaking country are advised to spend one year at a university in such a country, for which credit may be given in the above program.

### 15.11.11 Hispanic Studies

#### 15.11.11.1 Location

Department of Hispanic Studies  
688 Sherbrooke Street West, Room 425  
Montreal, QC H3A 3R1  
Canada

Telephone: 514-398-6683

Fax: 514-398-1748

Email: [hispanic.studies@mcgill.ca](mailto:hispanic.studies@mcgill.ca)

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

#### 15.11.11.2 About Hispanic Studies

The Department of Hispanic Studies is committed to the disciplined study of all aspects of the literature, intellectual history, and culture of Spain and Latin America, as well as the Spanish and Portuguese languages. Currently, the Department of Hispanic Studies has three outstanding research areas: Colonial and Peninsular Baroque and Enlightenment, with a variety of intellectual and methodological approaches; Queer Studies particularly focused on contemporary Argentina and Spain; and Film and Literary Studies on contemporary Latin America. The Department has an outstanding Media Resource Centre, whose collection of films and music has over 300 titles from Latin America and Spain, with media in Spanish, Portuguese, and English. The Department offers unique opportunities for graduate students through its involvement in The Hispanic Baroque Project, a SSHRC-MCRI funded research project. The Project membership includes an international team of more than 30 scholars from all over the world.

A limited number of language instructorships are available each year and those interested should apply c/o the Graduate Coordinator.

**section 15.11.11.5: Master of Arts (M.A.); Hispanic Studies (Thesis) (48 credits)**

**(Currently, students are only admitted to the Thesis option in exceptional circumstances.)**

The combination of three courses and one Thesis Preparation course will permit these students the 12 credits per term average that is required for most fellowships.

**section 15.11.11.6: Master of Arts (M.A.); Hispanic Studies (Non-Thesis) (48 credits)**

All candidates pursuing the M.A. without thesis, both full- and part-time, must successfully complete at least one of their Guided Research projects during the first 12 months. In accordance with the regulations established by Graduate and Postdoctoral Studies, students in non-thesis programs who do not take at least 12 credits per term for the duration of the program are considered to proceed toward their degree on a part-time basis.

**section 15.11.11.7: Doctor of Philosophy (Ph.D.); Hispanic Studies**

Please consult the Department for more information about the Ph.D. in Hispanic Studies.

**15.11.11.3 Hispanic Studies Admission Requirements and Application Procedures****15.11.11.3.1 Admission Requirements****M.A. Degree (Non-Thesis or Thesis)**

**(Currently, students are only admitted to the Thesis option in exceptional circumstances.)**

In order to be admitted to graduate work in Hispanic Studies, candidates must fulfil the following prerequisites:

1. Candidates must possess a B.A. degree with Honours or, in certain cases, Joint Honours in Hispanic Studies from McGill University, or an equivalent degree from another college or university of recognized standing.
2. Candidates who do not possess the above prerequisites may, with special permission, enter the Department as Qualifying students for the purpose of completing these preliminary studies. They may have to take, among other courses, HISP 550, Comprehensive Examination.

Students may be required to attend an approved course in English or French if their knowledge of either language is deemed inadequate.

Prospective candidates may certainly express their preference, but should note that the Graduate Committee of the Department of Hispanic Studies reserves the right to determine which of the two options (thesis/non-thesis) students admitted to the M.A. program will be permitted to pursue and/or continue to completion.

**Ph.D. Degree**

Applicants must normally possess an M.A. in Hispanic Studies, or in a related discipline, from a university of recognized standing. These applicants will be admitted to Ph.D. 2 and follow the program requirements listed below. Exceptionally qualified candidates may apply to enter into Ph.D. 1 directly from the B.A. Honours, and will be required to complete an additional six 3-credit courses above those listed below.

Applicants must demonstrate proficiency in Spanish, and when appropriate in Portuguese, plus a working knowledge of either French or English.

Applicants should submit samples of research papers that they have completed during the course of their previous studies. Submission of the results of the Graduate Record Examination is also encouraged.

**15.11.11.3.2 Application Procedures**

Applications will be considered upon receipt of:

1. duly completed application form;
2. two certified copies of all university transcripts (all transcripts not in English or French must be accompanied by a certified English or French translation);
3. two letters of recommendation (in English or French);
4. \$100 application fee;
5. applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit TOEFL scores. Minimum score of 86, with each component score not less than 20, required on the Internet-based TOEFL examination. Proof of TOEFL must be presented at time of application or shortly thereafter;
6. a sample of recent written work;
7. statement of academic intent.

All information should be submitted directly to the Graduate Coordinator.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

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

#### 15.11.11.4 Hispanic Studies Faculty

##### Chair

TBA

##### Chair of Graduate Program

A. Holmes

##### Professors

J. Pérez-Magallón; Lic.Fil.(Barcelona), Ph.D.(Penn.)

K. Sibbald; M.A.(Cant.), M.A.(Liv.), Ph.D.(McG.)

##### Associate Professors

D.A. Boruchoff; A.B., A.M., Ph.D.(Harv.)

A. Holmes; B.A.(McG.), M.A., Ph.D.(Ore.)

J.R. Jouvé-Martin; Lic.Fil.(Madrid), Ph.D.(G'town)

F. Macchi; Lic.Lit.(Buenos Aires), M.A.(Ore.), Ph.D.(Yale)

##### Assistant Professor

L. Alonso-Ovalle; Lic.(Oviedo), M.A., Ph.D.(Mass.) (*joint appt. with Linguistics*)

#### 15.11.11.5 Master of Arts (M.A.); Hispanic Studies (Thesis) (48 credits)

##### Thesis Courses

HISP 695	(3)	Thesis Preparation 1
HISP 696	(3)	Thesis Preparation 2
HISP 697	(24)	M.A. Thesis

##### Complementary Courses (18 credits)

Six 3-credit graduate-level HISP courses, with a maximum of 6 credits from Special Topics courses: HISP 690 to 694.

Students admitted to this option normally pursue their studies on a full-time basis. The combination of three courses and one Thesis Preparation course will permit these students the 12 credits per term average that is required for most fellowships.

#### 15.11.11.6 Master of Arts (M.A.); Hispanic Studies (Non-Thesis) (48 credits)

All candidates pursuing the M.A. without thesis must complete HISP 615. Candidates choosing to focus their research on the literature of Spain will take HISP 616. Those wishing to specialize in the literature of Spanish America will tak

HISP 603	(3)	Hispanic Bibliography 1
HISP 604	(3)	Hispanic Bibliography 2

**Complementary Courses (24 credits)**

Eight 3-credit graduate-level HISP courses.

**15.11.11.7 Doctor of Philosophy (Ph.D.); Hispanic Studies**

**Thesis**

**Required Courses (3 credits)**

HISP 701	(0)	Ph.D. Comprehensive Examination
HISP 713	(3)	Research Seminar

**Complementary Courses (18 credits)**

Six 3-credit courses

Hispaniof 1 0 0 1 151.805.338.377.315(Hispypan Classical ies)Tj1 0 0 1 151.43597.377.315(Hisp1.11.7)2/F0 8 Tf1 0 0 1 103.657 638.333590(s





***section 15.11.12.12: Master of Arts (M.A.); History (Non-Thesis) — Gender and Women Studies (45 credits)***

This option provides student with cross-disciplinary specialization in feminist, women's, and gender studies. Students admitted to this option participate in an interdisciplinary seminar in place of three history seminar credits and write their research paper on a topic approved by the specific option's coordinating committee.

***section 15.11.12.13: Master of Arts (M.A.); History of Medicine (Non-Thesis) (45 credits)***

The M.A. Degree in the History of Medicine does not have a thesis option. This non-thesis degree is normally completed in one year. Candidates for the M.A. degree follow an individual program approved by the Department. Students participate in courses and seminars that deepen their understanding of

**Master in Classics**

Candidates are required to have a B.A. Honours in Classics or equivalent.

**Ph.D. in Classics**

Candidates are required to have a McGill M.A. in Classics or equivalent.

**15.11.1232 Application Procedures****Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.



**Note:** We are not willing to consider any applications to be admitted to History programs in the Winter term.



**Note:** We are not willing to consider any applications, including those from Special/Exchange/Visiting students, to be admitted to Classics programs in the Winter/Summer term.

Completed applications and supporting material must be submitted directly to the Graduate Coordinator by the dates for guaranteed consideration. Refer to the Department of History and Classical Studies website for detailed information ([www.mcgill.ca/history/graduate](http://www.mcgill.ca/history/graduate)).

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

**15.11.124 History and Classical Studies Faculty****Chair**

John E. Zucchi

**Director of Classical Studies**

Hans Beck

**Graduate Program Director**

Gershon D. Hundert

**Coordinator of Graduate Funding**

Nicholas Dew

**Emeritus Professors**

Myron Echenberg; M.A.(McG.), Ph.D.(Wisc.)

Andrée Lévesque; B.A.(Laval), M.A., Ph.D.(Duke)

Michael P. Maxwell; B.A.(Sir G. Wms.), M.A., Ph.D.(McG.)

Carman I. Miller; B.A., B.Ed.(Acad.), M.A.(Dal.), Ph.D.(Lond.)

Desmond Morton; B.A.(R.M.C.), B.A., M.A.(Oxf.), Ph.D.(Lond.) (*Hiram Mills Emeritus Professor of History*)

Albert Schachter; B.A.(McG.), D.Phil.(Oxf.) (*Hiram Mills Emeritus Professor of Classics*)

George Michael Woloch; B.A.(Yale), B.A., M.A.(Oxf.), Ph.D.(Johns Hop.) (*John McNaughton Emeritus Professor of Classics*)

Brian J. Young; B.A.(Tor.), M.A., Ph.D.(Qu.) (*James McGill Emeritus Professor of History*)

**Professors**

Hans Beck; Ph.D.(Erlangen) (*John MacNaughton Professor of Classics*)

Valentin J. Boss; B.A.(Cant.), Ph.D.(Harv.)

Gwyn Campbell; B.Soc.Sc., M.Soc.Sc.(Birm.), Ph.D.(Wales) (*Canada Research Chair*)

Allan Greer; B.A.(Br. Col.), M.A.(Car.), Ph.D.(York)

John W. Hellman; B.A.(Marq.), M.A., Ph.D.(Harv.)

Peter Hoffmann; Ph.D.(Munich), F.R.S.C. (*William Kingsford Professor of History*)

Gershon D. Hundert; B.A., M.A.(Ohio St.), Ph.D.(Col.) (*Leonor Segal Professor of Jewish Studies*) (joint appt. with *Jewish Studies*)

## Professors

Suzanne Morton; B.A.(Trent), M.A., Ph.D.(Dal.)

Yuzo Ota; B.A., M.A., Ph.D.(Tokyo)

Nancy F. Partner; B.A., M.A., Ph.D.(Calif.)

Andrea Tone; B.A.(Qu.), M.A., Ph.D.(Emory) (*Canada Research Chair*) (*joint appt. with Social Studies of Medicine*)

Gil E. Troy; A.B., A.M., Ph.D.(Harv.)

Robin D.S. Yates; B.A., M.A.(Oxf.), M.A.(Calif.), Ph.D.(Harv.) (*James McGill Professor*) (*joint appt. with East Asian Studies*)

John E. Zucchi; B.A., M.A., Ph.D.(Tor.)

## Associate Professors

Paula Clarke; B.A.(Mem.), B.A.(Oxf.), M.A.(Tor.), Ph.D.(Lond.)

Brian Cowan; B.A.(Reed), M.A., Ph.D.(Princ.) (*Canada Research Chair*)

Catherine Desbarats; B.A.(Qu.), D.Phil.(Oxf.), Ph.D.(McG.)

Nicolas Dew; B.A., M.Sc., D.Phil.(Oxf.)

Elizabeth Elbourne; B.A., M.A.(Tor.), D.Phil.(Oxf.)

Michael P. Fronda; B.A.(C'neil), M.A., Ph.D.(Ohio St.)

Elsbeth Heaman; B.A., M.A.(McG.), Ph.D.(Tor.) (*Canada Research Chair*)

Catherine LeGrand; B.A.(Reed), M.A., Ph.D.(Stan.)

Brian Lewis; B.A., M.A.(Oxf.), A.M., Ph.D.(Harv.)

Lorenz Lüthi; Lic.Phil.I(Zürich), M.A., M.Phil., Ph.D.(Yale)

Leonard Moore; A.B., M.A., Ph.D.(Calif.)

Jason Opal; B.A.(C'neil), M.A., Ph.D.(Brandeis)

Laila Parsons; B.A.(Exe.), D.Phil.(Oxf.) (*joint appt. with Institute of Islamic Studies*)

R. Jarrett Rudy; B.A., M.A.(Ott.), Ph.D.(McG.)

Daviken Studnicki-Gizbert; B.A.(Montr.), M.Phil., Ph.D.(Yale)

Griet Vankeerberghen; License(Louvin), Ph.D.(Princ.) (*joint appt. with East Asian Studies*)

Faith Wallis; B.A., M.A.(McG.), Ph.D.(Tor.) (*joint appt. with Social Studies of Medicine*)

## Assistant Professors

Malek H. Abisaab; B.A.(Lebanese U.), M.A.(CUNY), Ph.D.(Binghamton) (*joint appt. with Institute of Islamic Studies*)

Charles W. Gladhill; B.A.(Mich.), M.A.(Georgia South.), Ph.D.(Stan.)

Lynn Kozak; B.A.(Col.), M.A.(Lond.), Ph.D.(Nott.)

James Krapfl; A.B.(Stan.), M.A.(CEU), Ph.D.(Calif.)

Johanna Ransmeier; B.A.(Amh.), M.A., Ph.D.(Yale)

## Part-Time Assistant Professor

Jason Szabo; M.D.(Alta.), M.A.(McG.), Ph.D.(McG.)

## Faculty Lecturers

Donald W. Baronowski; B.A.(McG.), M.A.(Br. Col.), Ph.D.(Tor.)

Thomas Jundt; B.A. M.A.(Neb.), Ph.D.(Brown)

Margaret Palczynski; B.Sc.(McG.), M.A.(C'dia)

Judith Szapor; B.A., M.A., Ph.D.(York)

---

**15.11.12.5 Master of Arts (M.A.); History (Thesis) (45 credits)**

**Thesis Courses (33 credits)**

HIST 696	(9)	Thesis Research 1
HIST 697	(12)	Thesis Research 2
HIST 698	(12)	Thesis Research 3

**Complementary Courses (12 credits)**

12 credits at the 500, 600, or 700 level.

No more than 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**Master of Arts (M.A.); History (Thesis) — Development Studies (45 credits)**

6 credits on European themes and issues;

No more than 3 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**15.11.12.8 Master of Arts (M.A.); History (Thesis) — Gender and Women's Studies (45 credits)**

INTD 657

(3)

Development Studies Seminar

**Complementary Courses (15 credits)**

15 credits at the 500 level or higher selected as follows:

6 credits relating to dev

**15.11.1213 Master of Arts (M.A.); History of Medicine (Non-Thesis) (45 credits)**

**Research Project (15 credits)**

HIST 687	(9)	M.A. Paper 1
HIST 688	(6)	M.A. Paper 2

**Required Courses (12 credits)**

HIST 684	(3)	Research Proposal
HIST 685	(3)	Directed Research
HIST 686	(6)	Bibliography Tutorial

**Complementary Courses (18 credits)**

18 credits at the 500, 600, or 700 level

6-12 credits in History of Medicine courses chosen from the following:

HIST 619	(3)	Ancient Medicine Seminar 1
HIST 620	(3)	Ancient Medicine Seminar 2
HIST 636	(3)	Medieval Medicine Seminar 1
HIST 637	(3)	Medieval Medicine Seminar 2
HIST 640	(3)	Modern Medicine Seminar 1
HIST 641	(3)	Modern Medicine Seminar 2
HSSM 604	(3)	History of Medicine

6-12 credits in History (non-Medicine) courses.

Up to 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**15.11.1214 Doctor of Philosophy (Ph.D.); History**

CLAS 696	(6)	M.A. Thesis Research 1
CLAS 697	(6)	M.A. Thesis Research 2
CLAS 698	(15)	M.A. Thesis Research 3

**Complementary Courses (18 credits)**

18 credits of Classics or Classics-related courses at the graduate level (500 level or higher). A complete list of Classics and Classics-related courses is available on the Classical Studies website: <http://www.mcgill.ca/classics/graduate-studies/courses/>

At least 6 credits of coursework must be language courses taught in Classical Studies (Ancient Greek, Latin, or Modern Greek) with the CLAS prefix.

Each candidate for the M.A. degree must demonstrate advanced proficiency in both Ancient Greek and Latin OR in Modern Greek by the completion of the M.A. program.

**15.11.1216 Master of Arts (M.A.); Classics (Non-Thesis) (48 credits)**

(not offered in 2011-12)

**Research Project (12 credits)**

CLAS 681	(3)	M.A. Research Paper 1
CLAS 682	(3)	M.A. Research Paper 2
CLAS 683	(3)	M.A. Research Paper 3
CLAS 684	(3)	M.A. Research Paper 4

**Complementary Courses (24 credits)**

All seminars in Classics, Ancient History, and ancient Philosophy count for the seminars requirement of the complementary courses.

**Special Subjects (12 credits)**

CLAS 685D1	(3)	M.A. Special Subject 1
CLAS 685D2	(3)	M.A. Special Subject 1
CLAS 686D1	(3)	M.A. Special Subject 2
CLAS 686D2	(3)	M.A. Special Subject 2

**15.11.1217 Doctor of Philosophy (Ph.D.); Classics**

(not offered in 2011-12)

**Thesis****Complementary Courses (24 credits)**

All seminars in Classics, Ancient History and ancient Philosophy count for the seminars requirement of the complementary courses.

**15.11.13 Institute for the Study of International Development****15.11.13.1 Location**

Institute for the Study of International Development (ISID)  
Peterson Hall, Room 126  
3460 McTavish Street  
Montreal, QC H3A 1X9  
Canada

Telephone: 514-398-3507



Fax: 514-398-8432  
Email: [info.isid@mcgill.ca](mailto:info.isid@mcgill.ca)  
Website: [www.mcgill.ca/isid](http://www.mcgill.ca/isid)

---

Philip Oxhorn – *Director*

Iain Blair – *Professional Associate and Administrative Officer*

Email: [iain.blair@mcgill.ca](mailto:iain.blair@mcgill.ca)

Sherryl Ramsahai – *Administrative Coordinator*

Email: [sherryl.ramsahai@mcgill.ca](mailto:sherryl.ramsahai@mcgill.ca)

Lisa Stanischewski – *Student Affairs Adviser*

Email: [lisa.stanischewski@mcgill.ca](mailto:lisa.stanischewski@mcgill.ca)

Kirsty McKinnon – *Student Affairs Coordinator*

Email: [kirsty.mckinnon@mcgill.ca](mailto:kirsty.mckinnon@mcgill.ca)

### **15.11.13.2 About the Institute for the Study of International Development**

ISID is a interdisciplinary institute in the Faculty of Arts with over 40 members from various faculties. It also works with an international community of scholars, development groups, and the public. Interdisciplinary research sponsored by ISID revolves around four themes: democracy and democratization, economic development, states and state-building, and social pluralism and civil society. It organizes seminars and conferences on development issues. [www.isid.mcgill.ca](http://www.isid.mcgill.ca)



**5. proof of English competenc**

**Required Course (3 credits)**

ISLA 603 (3) Introductory: Research Materials - Islamic Studies

**Language Requirement**

Students must demonstrate proficiency in Arabic at the second-year level as evidenced by completion of ISLA 522 or by an examination administered by the Institute.

**Complementary Courses (18 credits)**

3 credit seminar course at the 600- or 700 -level.

15 credits of ISLA courses at the 500, 600, or 700 level.

With permission of the Institute, up to 6 credits from other departments at McGill or other educational institutions can be used.

**15.11.14.6 Master of Arts (M.A.); Islamic Studies (Thesis) — Gender and Women's Studies (45 credits)**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet degree requirements in Islamic Studies (and other participating departments and faculties) who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's master's thesis must be on a topic centrally relating to issues of gender or women's studies.

**Required Courses (30 credits)**

\* Note: Unless exempt. If exempt, another graduate-level course must replace this course.

ISLA 603\* (3) Introductory: Research Materials - Islamic Studies  
WMST 601 (3) Feminist Theories and Methods

**Thesis**

ISLA 697 (6) Thesis Research 1  
ISLA 698 (6) Thesis Research 2  
ISLA 699 (12) Thesis Research 3

**Complementary Courses (15 credits)**

3 credit of a seminar course at the 600 or 700 level.

3 credits from the following:

WMST 602 (3) Feminist Research Symposium

or a 3-credit course, at the 500 level or higher, in gender/women's issues.

9 credits of ISLA courses at the 500 level or higher.

With permission of the Institute, up to 3 credits of these 9 credits of Complementary Courses may be chosen from departments at McGill or other educational institutions.

**Language Requirement**

Students must demonstrate proficiency in Arabic at the second-year level as evidenced by completion of ISLA 522 or by an examination administered by the Institute.

**15.11.14.7 Doctor of Philosophy (Ph.D.); Islamic Studies****Thesis****Required Course**

ISLA 701 (0) Comprehensive Examination

**Complementary Courses (30 credits)**

30 credits of courses at the 500 level or higher, including 6 credits at the 600 or 700 level of seminars offered by the Institute of Islamic Studies.

ISLA 603 (3 credits): Intro: Research Materials - Islamic Studies is highly recommended.

\* Note: ISLA 521D (9 credits) will not count toward the 30 complementary credits.

With the permission of the Institute, up to 6 credits could be taken in other departments at McGill or other institutions.

With the approval of the student's supervisor, courses tak

## 15.11.15 Italian Studies

### 15.11.15.1 Location

Department of Italian Studies  
688 Sherbrooke Street West, Room 425  
Montreal, QC H3A 3R1  
Canada

Telephone: 514-398-3953  
Fax: 514-398-1748  
Email: [italian.studies@mcgill.ca](mailto:italian.studies@mcgill.ca)  
Website: [www.mcgill.ca/italian](http://www.mcgill.ca/italian)

### 15.11.15.2 About Italian Studies

The Department's current areas of expertise and methodological orientations are broadly indicated below. Prospective applicants should also consult individual faculty members' research profiles on the Departmental website for more detailed information. They are also invited to send research inquiries to individual professors.

- A) 19th, 20th, and 21st century narrative;
- B) Medieval and Renaissance literature and culture; and
- C) Italian cinema from post-World War II neorealism to the present.

These areas are approached from the perspective of:

1. relations with the historical, social, and political contexts;
2. intertextual relations with contemporary and antecedent works and movements in other European literatures and cultures, with a special attention to questions of identity construction;
3. gender issues; and
4. cultural studies.

#### Master's Programs

The coursework and the thesis and/or research papers must demonstrate that the student possesses a sound knowledge of the language, is familiar with all periods of Italian literature, and has developed the background and skills necessary to carry out scholarly research.

The regulations concerning the M.A. degree, as stated in the *Graduate and Postdoctoral Studies Regulations and Resources* publication apply.

#### *section 15.11.15.5: Master of Arts (M.A.); Italian (Thesis) (45 credits)*

Students enrolled in the M.A. (thesis) option complete seven 3-credit courses and write an M.A. thesis under the direction of a faculty member.

#### *section 15.11.15.6: Master of Arts (M.A.); Italian (Non-Thesis) (45 credits)*

Students enrolled in the M.A. (non-thesis) option complete nine 3-credit courses and two in-depth research papers under the direction of a faculty member.

### 15.11.15.3 Italian Studies Admission Requirements and Application Procedures

#### 15.11.15.3.1 Admission Requirements

The B.A. degree with Honours or Joint Honours in Italian or its equivalent and a CGPA of 3.2 constitute the minimum requirement. Applicants who do not have these prerequisites may be admitted to a Qualifying Year, or, in some cases, to a Qualifying Term.

#### 15.11.15.3.2 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. two certified copies of all university transcripts (all transcripts not in English or French **must** be accompanied by a **certified** English or French translation);
3. two letters of recommendation (in English or French);
4. a sample critical essay, written in Italian;
5. applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit a TOEFL. Minimum score of 86, with each component score not less than 20, required on the Internet-based TOEFL examination. Proof of TOEFL must be presented at time of application or shortly thereafter;

6. application fee of \$100;
7. statement of academic intent.

#### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

#### **15.11.15.4 Italian Studies Faculty**

##### **Chair**

TBA

##### **Graduate Director**

Lucienna Kroha

##### **Emeritus Professor**

Pamela D. Stewart; B.A.(Montr.), M.A.(McG.), F.R.S.C.

##### **Associate Professors**

Eugenio Bolongaro; B.A., LL.B.(Br. Col.), M.A., Ph.D.(McG.)

Lucienne Kroha; B.A., M.A.(McG.), Ph.D.(Harv.)

##### **Assistant Professor**

Matteo Soranzo; Dott.Lett.(Padua), Ph.D.(Wisc.)

#### **15.11.15.5 Master of Arts (M.A.); Italian (Thesis) (45 credits)**

##### **Thesis Courses (24 credits)**

IT (6) Thesis Proposal

ITAL 690	(9)	Research Paper 1
IT	(9)	Research Paper 2



*section 15.11.16.6: Master of Arts (M.A.); Jewish Studies (Non-Thesis) (45 credits)*

This option is aimed at students who have acquired some background in Jewish studies through their B.A. and who wish to add to their knowledge without having to concentrate on one period or discipline within the broad field of Jewish civilizational studies. Students may take courses in related disciplines outside of Jewish Studies if appropriate. The degree is normally completed within two years. Students must demonstrate good command of Yiddish or Hebrew prior to graduation. Subsequent career paths are varied, but could include work in Jewish communal agencies, Jewish schools, Jewish foundations, the rabbinate, or further graduate study in a related field.

**Ph.D. in Jewish Studies**

Ad hoc program. Please contact the Department for further information on this option.

**15.11.16.3 Jewish Studies Admission Requirements and Application Procedures**

**.163 Admission Requirements**

## Adjunct Professors

Magdalena Opalski; M.A.(Warsaw), Ph.D.(Ott.)

Ruth Wisse; M.A.(Col.), Ph.D.(McG.)

### 15.11.16.5 Master of Arts (M.A.); Jewish Studies (Thesis) (45 credits)

An M.A. in Jewish Studies (thesis option) is offered in the following areas: History of the Jewish Interpretation of the Bible, Eastern European Jewish History, Jewish Thought, Hebrew Literature, and Modern Jewish Literatures. These areas of specialization are broadly construed to accommodate the range of research interests in the Department. The M.A. can be completed in one year, though most students spend two years in the program.

Note: Students can choose from either the Jewish Studies Stream or History of the Jewish Interpretation of the Bible Stream.

#### Jewish Studies Stream (45 credits)

##### Thesis Courses (30 credits)

JWST 695	(9)	M.A. Thesis 1
JWST 696	(9)	M.A. Thesis 2
JWST 697	(12)	M.A. Thesis 3

##### Required Course (3 credits)

JWST 699	(3)	Research in Jewish Studies
----------	-----	----------------------------

##### Complementary Courses (12 credits)

12 credits of courses at the 500, 600, or 700 level, chosen according to each student's specialization in consultation with the student's thesis adviser.

##### Language Requirement

Students choosing Eastern European studies, Jewish thought, or Hebrew literature must demonstrate fluency in either Hebrew or Yiddish according to their field of specialization. Mastery is normally determined by an examination administered by the Department.

#### History of the Jewish Interpretation of the Bible Stream (45 credits)

##### Thesis Courses (24 credits)

JWST 6993(3)	(3)	M.A. Thesis 1
--------------	-----	---------------

**15.11.16.6 Master of Arts (M.A.); Jewish Studies (Non-Thesis) (45 credits)**

All students pursuing this option must take JWST 699. The remaining credits will normally include 15 credits in two of the following areas and 12 credits in the third: Jewish Thought, Jewish History, and Jewish Literature. The substitution of credits in related disciplines outside of Jewish Studies may be permitted if appropriate. The coursework will be adjusted to the applicant's academic background.

**Required Course (3 credits)**

JWST 699 (3) Research in Jewish Studies

**Complementary Courses (42 credits)**

Students will normally take 15 credits in two of the following areas and 12 credits in the third.

**Jewish Thought (12-15 credits)**

JWST 504 (3) Seminar in Jewish Thought  
JWST 510 (3) Jewish Bible Interpretation 1  
JWST 511 (3) Jewish Bible Interpretation 2  
JWST 542 (3) Abraham Ibn Ezra as Parshan  
JWST 543 (3) Maimonides as Parshan  
JWST 544 (3) Nachmanides as Parshan  
JWST 555 (3) The Bible in Jewish Philosophy  
JWST 556 (3) Modern Parshanut 1  
JWST 558 (3) Topics: Modern Jewish Thought

T

JWST 534	(3)	Homiletic Midrash
JWST 535	(3)	Exegetic Midrash
JWST 536	(3)	Readings: Aramaic Bible Translation
JWST 537	(3)	The Bible in the Talmud Bavli
JWST 538	(3)	Early Rabbinic Parshanut 1
JWST 541	(3)	Medieval Ashkenazi Parshanut
JWST 546	(3)	Innovative Medieval Parshanut
JWST 547	(3)	Mystical Biblical Interpretation
JWST 548	(3)	Medieval Parshanut
JWST 550	(3)	The Bible in Hebrew Literature
JWST 551	(3)	20th Century Parshanut
JWST 554	(3)	Modern Jewish Biblical Scholarship
JWST 555	(3)	The Bible in Jewish Philosophy
JWST 556	(3)	Modern Parshanut 1
JWST 571	(3)	Biblical Literature
JWST 572	(3)	Aggadah in Modern Scholarship
JWST 573	(3)	History of Hebrew Bible Text
JWST 574	(3)	Bible in Responsa Literature
JWST 575	(3)	Topics in Parshanut
JWST 581	(3)	Aramaic Language
JWST 582	(3)	Hebrew and Aramaic Philology
JWST 587	(3)	Tutorial in Yiddish Literature
JWST 588	(3)	Tutorial in Yiddish Literature
JWST 615	(3)	Literary Analysis of Hebrew Fiction

### 15.11.17 Linguistics

#### 15.11.17.1 Location

Department of Linguistics  
1085 Dr. Penfield Avenue  
Montreal, QC H3A 1A7  
Canada

Telephone: 514-398-4222

Fax: 514-398-7088

Email: [gradprogram.linguistics@mcgill.ca](mailto:gradprogram.linguistics@mcgill.ca)

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

#### 15.11.17.2 About Linguistics

The aim of the graduate program in Linguistics at McGill is to train researchers in core areas of theoretical linguistics (phonetics, phonology, morphology, syntax, semantics, pragmatics) as well as experimental linguistics. Research in experimental areas deals with theoretical questions in light of evidence from another domain (language acquisition, neurolinguistics, processing, language variation and change is one sub-field of Linguistics). Students have access to a rich research landscape in cognitive science; for example, most members of the Department are associated with the Centre for Research on Language, Mind and Brain (CRLMB). The Department has two labs for conducting experiments, each fitted with a sound-proof booth. Members of the Department also have access to other facilities through the CRLMB. We normally fund all full-time graduate students in good standing; our funding package covers living expenses, tuition, and fees. M.A. students are funded for one year and eight months, and Ph.D. students for five years.

#### ***section 15.11.17.5: Master of Arts (M.A.); Linguistics (Non-Thesis) (45 credits)***

We offer an M.A. (non-thesis) degree in Linguistics. The M.A. involves intensive coursework in year 1, followed by additional coursework and completion of a major research paper in year 2. This program is intended for students who wish to gain coursework and research experience in Linguistics beyond the B.A. level. After completion of the M.A., students may choose to continue on to a Ph.D. or pursue a career in a related field.

#### ***section 15.11.17.6: Doctor of Philosophy (Ph.D.); Linguistics***

We offer a Ph.D. degree in Linguistics. We offer two streams at the Ph.D. level: theoretical and experimental. The Ph.D. degree involves intensive coursework in year 1, additional coursework and completion of two evaluation papers in years 2 and 3, and thesis research and writing in years 4 and 5. This program is principally intended for students who wish to pursue a career in academia.

#### ***section 15.11.17.7: Doctor of Philosophy (Ph.D.); Linguistics — Language Acquisition***

The LAP is a cross-disciplinary option available to Ph.D. students in Communication Sciences and Disorders, Linguistics, Psychology, and Second Language Education who intend to pursue graduate studies in language acquisition. In addition to meeting the degree requirements for Linguistics, students must complete four interdisciplinary LAP seminars, two graduate-level courses in language acquisition (one from outside the student's home department), a course in statistics, and they must have a faculty member from outside their home department on their thesis committee. Information about this option is available from the Department and on the following website: <http://ego.psych.mcgill.ca/lap.html>.

### **15.11.17.3 Linguistics Admission Requirements and Application Procedures**

#### **15.11.17.3.1 Admission Requirements**

Applicants to the M.A. or Ph.D. should have completed a B.A. with a specialization in linguistics. Applications are also invited from students with a background in other disciplines. Strong candidates who do not satisfy all requirements may be required to take additional undergraduate courses or may be admitted to a *Qualifying Program* which permits them to make up the gaps in their background.

#### **15.11.17.3.2 Application Procedures**

Applications will be considered upon receipt of:

1. application form;
2. transcripts;
3. letters of reference;
4. statement of purpose;
5. writing sample;
6. test results for international students: TOEFL (*Competency in English* section in the *Graduate and Postdoctoral Studies General Information, Regulations and Research Guidelines* available at [www.mcgill.ca/study](http://www.mcgill.ca/study));
7. application fee of \$100.

#### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

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

### **15.11.17.4 Linguistics Faculty**

#### **Chair**

Bernhard Schwarz

#### **Emeritus Professors**

C.D. Ellis; B.A.(Camb. & McG.), M.A.(Tor. & Yale), Ph.D.(McG.)

M. Gopnik; M.A., Ph.D.(Penn.)

M. Paradis; B.A.(Montr.), M.A., Ph.D.(McG.), Ph.D.(Montr.)

G.L. Piggott; B.A.(W.I.), M.A., Ph.D.(Tor.)

#### **Professors**

B. Gillon; B.A., M.A.(Mich.), M.A.(Tor.), Ph.D.(MIT)

Y. Grodzinsky; B.Sc.(Hebrew), Ph.D.(Brandeis) (*Canada1 0 0 1 194.069 9231.12 82.68 Tm(Canada1 0 0 1 194.06928.1 T2 Tm( Gch.), M.Ao06 wD 04 0.9216 0.8431*)



Note: LING 706 and LING 707 must be completed before proceeding to thesis research.

### Complementary Courses (18 credits)

3 credits from the following:

LING 520	(3)	Sociolinguistics 2
LING 521	(3)	Dialectology
LING 555	(3)	Language Acquisition 2
LING 590	(3)	Language Acquisition and Breakdown
LING 651	(3)	Topics in Acquisition of Phonology
LING 655	(3)	Theory of L2 Acquisition
LING 690	(3)	Seminar in Neurolinguistics
LING 720	(3)	Advanced Seminar in Sociolinguistics
LING 755	(3)	Advanced Seminar: Language Acquisition
LING 790	(3)	Advanced Seminar in Neurolinguistics

6 additional credits at the 500, 600, or 700 level at least one in the student's intended research area.

Note: Students intending to specialize in semantics must take the following course:

LING 661	(3)	Advanced Formal Methods
----------	-----	-------------------------

9 additional credits from one of the following streams:

#### Theory Stream:

LING 635	(3)	Phonology 4
LING 665	(3)	Semantics 4
LING 675	(3)	Syntax 4

#### Experimental Stream:

3 credits in statistics at the 500, 600, or 700 level and 6 credits from the following:

LING 635	(3)	Phonology 4
LING 665	(3)	Semantics 4
LING 675	(3)	Syntax 4

### 15.11.17.7 Doctor of Philosophy (Ph.D.); Linguistics — Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Linguistics. The Ph.D. thesis must be on a topic relating to language acquisition, approved by the LAP committee.

#### Thesis

#### Required Courses (29 credits)

EDSL 711	(2)	Language Acquisition Issues 3
LING 615	(3)	Logic for Semantics
LING 619	(3)	Experimental Foundations
LING 631	(3)	Phonology 3
LING 660	(3)	Semantics 3

LING 671	(3)	Syntax 3
LING 701	(3)	Ph.D. Research Seminar 1
LING 702	(3)	Ph.D. Research Seminar 2
LING 706	(0)	Ph.D. Evaluation 1
LING 707	(0)	Ph.D. Evaluation 2
LING 710	(2)	Language Acquisition Issues 2
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 712	(2)	Language Acquisition Issues 4

Note: LING 706 and LING 707 must be completed before proceeding to thesis research.

### **Complementary Courses (9 credits)**

3 credits of graduate-level statistics from courses such as: EDPE 676, EDPE 682, PSYC 650, PSYC 651; students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

At least 6 credits selected from the following list; at least one course must be outside the Department of Linguistics:

EDSL 620	(3)	Critical Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Classroom-Centred Second Language Research
EDSL 629	(3)	Second Language Assessment
EDSL 632	(3)	Second Language Literacy Development
EDSL 664	(3)	Second Language Research Methods
LING 555	(3)	Language Acquisition 2
LING 590	(3)	Language Acquisition and Breakdown
LING 651	(3)	Topics in Acquisition of Phonology
LING 655	(3)	Theory of L2 Acquisition
LING 755	(3)	Advanced Seminar: Language Acquisition
PSYC 561	(3)	Methods: Developmental Psycholinguistics
PSYC 734	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
PSYC 736	(3)	Developmental Psychology and Language
PSYC 737	(3)	Developmental Psychology and Language
SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children
SCSD 633	(3)	Language Development
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2









## Professors

John A. Toth; B.Sc., M.Sc.(McM.), Ph.D.(MIT) (*William Dawson Scholar*)

Daniel T. Wise; B.A.(Yeshiva), Ph.D.(Princ.)

David Wolfson; B.Sc., M.Sc.(Natal), Ph.D.(Purd.)

Jian-Ju Xu; B.Sc., M.Sc.(Beijing), M.Sc., Ph.D.(Rensselaer Poly.)

## Assistant Professors

Louigi Addario-Berry; B.Sc., M.Sc., Ph.D.(McG.)

Jayce Getz; A.B.(Harv.), Ph.D.(Wisc.)

Abbas Khalili; Ph.D.(Wat.)

Jean-Christophe Nave; B.Sc., Ph.D.(Calif., Santa Barbara)

Johanna Neslehova; B.Sc., M.Sc.(Hamburg), Ph.D.(Oldenburg)

Gantumur Tsogtgerel; Ph.D.(Utrecht)

Johannes Walcher; Dip, Ph.D.(ETH Zurich)

**Adjunct Professors**

Robert A. Seely; B.Sc.(McG.), Ph.D.(Cant.)

Fa54 8.1 Tf1 0 0 1 70.52 684.12 Tm(ty Lectuofessors)Tj/F21.6890.52 684.12 e09.84 Tm(Robert )Tj1 0 0 1 94668.h.D.(José. Seely; B.Sc86.08.1 68.h.D.(CanCorr

MATH 701 (0) Ph.D. Preliminary Examination Part B

### Complementary Courses (6 credits)

(3-6 credits)

The twelve one-semester complementary courses for the Ph.D. degree must include at least two from the list below, unless a student has completed the M.Sc.-level option in Bioinformatics, in which case only one course from the list below must be chosen:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

## 15.11.19 Philosophy

### 15.11.19.1 Location

Department of Philosophy  
Leacock Building, Room 908  
855 Sherbrooke Street West  
Montreal, QC H3A 2T7  
Canada

Telephone: 514-398-6060

Fax: 514-398-7148

Email: [info.philosophy@mcgill.ca](mailto:info.philosophy@mcgill.ca)

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

### 15.11.19.2 About Philosophy

The Department of Philosophy has particular strength in the following areas: Ancient Philosophy; Early Modern Philosophy; Kant and post-Kantian German Philosophy; Philosophy of Language and Philosophy of Mind; Aesthetics; Moral and Political Philosophy; Feminist Philosophy; History and Philosophy of Science and Mathematics; Contemporary European Philosophy.

The Department offers assistance to students in every aspect of placement. Our Placement Officer counsels students about coursework and areas of competence, helps to establish evidence of teaching ability, administers the dossier for job applications, and provides advice and follow-up in the interview process. Many of our graduates have gone on to do postdoctoral research and over 80% are now in tenure track or sessional appointments.

The Department offers courses of study leading to the Ph.D. in Philosophy. It also offers, in conjunction with the Biomedical Ethics Unit, a course of study leading to the M.A. degree in Bioethics.

Students with an adequate undergraduate training in philosophy should apply for admission to the Ph.D. program at the Ph.D. I level. Students who hold an M.A. degree in Philosophy, or equivalent, from another institution should apply for admission to the Ph.D. program at the Ph.D. II level. Students entering the Ph.D. program (at Ph.D. I or Ph.D. II) will be required to complete two years of coursework. (NB: At present, we do not normally consider applicants for an M.A. in Philosophy, with the exception of the specialty M.A. in Bio-Medical Ethics). The Department considers an adequate undergraduate training in philosophy to be one that furnishes a student with:

1. A general knowledge of the history of W

at least B+ on the candidacy paper, and (b) have at least a 3.5 GPA (on the undergraduate Grade Point scale) in the coursework required for the program. The Department as a whole, taking into account the Thesis Advancement Committee's recommendation and the student's overall academic record in the program, decides whether to permit the student to continue. Students who do not receive a positive recommendation but who satisfy Graduate and Postdoctoral Studies requirements (no courses below a B- and completion of 45 credits) will be recommended to Graduate and Postdoctoral Studies by the Department to transfer from the Ph.D. program to the M.A. program.

Graduate students are expected to continue to contribute to the intellectual life of the Department after being promoted to candidacy. They can do so by participating in reading and discussion groups and, most of all, by auditing seminars both within and without their areas of specialty.

*section 15.11.19.5: Master of Arts (M.A.); Philosophy (Thesis) — Bioethics (45 credits)*

The Master's in Bioethics is an interdisciplinary academic program that emphasizes both the conceptual and the practical aspects of bioethics. Ordinarily

The Department considers admissions for the Fall term only. We are not willing to consider any applications to be admitted for the Winter/Summer term.

### Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

The online application form is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

Applications will be considered complete upon receipt of:

1. application form;
2. \$100 fee;
3. two (2) official transcripts of all post-secondary studies;
4. three (3) original letters of reference;
5. test results (GRE, TOEFL);
6. writing sample;
7. statement of intent.

All supporting documents are to be submitted to the Department of Philosophy.

### 15.11.19.4 Philosophy Faculty

#### Chair

N. Stoljar

#### Emeritus Professors

M.A. Bunge; Ph.D.(LaPlata), F.R.S.C. (*John Frothingham Emeritus Professor of Logic and Metaphysics*)

A.T. McKinnon; M.A.(Tor.), Ph.D.(Edin.), B.D.(McG.), F.R.S.C., R.D., D.H.L.(St. Olaf) (*William C. Macdonald Emeritus Professor of Moral Philosophy*)

D. Norton; M.A.(Claremont), Ph.D.(Calif.), F.R.S.C. (*William C. Macdonald Emeritus Professor of Moral Philosophy*)

C. Taylor; M.A., D.Phil.(Oxf.), F.R.S.C.

#### Professors

G. DiGiovanni; B.A., M.A., S.T.B., Ph.D.(Tor.)

S. McCall; B.A.(McG.), B.Phil., D.Phil.(Oxf.)

J. McGilvray; B.A.(Carleton Coll.), Ph.D.(Yale)

C. Normore; B.A.(McG.), M.A., Ph.D.(Tor.) (*William C. Macdonald Professor of Moral Philosophy*)

#### Associate Professors

A. Al-Saji; M.A.(Louvain), Ph.D.(Emory)

R.P. Buckley; Ph.D.(Louvain)

E. Carson; M.A.(McG.), Ph.D.(Harv.)

D. Davies; B.A.(Oxf.), M.A.(Manit.), Ph.D.(W. Ont.)

M. Deslauriers; B.A.(McG.), M.A., Ph.D.(Tor.)

G. Fiasse; B.A., M.A., Ph.D.(Louvain) (*joint appt. with Religious Studies*)

C. Fraenkel; B.A., M.A., Ph.D.(Free Univ., Berlin) (*joint appt. with Jewish Studies*)

I. Gold; B.A., M.A.(McG.), Ph.D.(Princ.) (*joint appt. with Psychiatry*)

M. Hallett; B.Sc., Ph.D.(Lond.) (*John Frothingham Professor of Logic and Metaphysics*)

A. Laywine; B.A.(Ott.), M.A.(Montr.), Ph.D.(Chic.)

E. Lewis; B.A.(C'nell), Ph.D.(Ill.-Chic.)

S. Menn; M.A., Ph.D.(Chic.), M.A., Ph.D.(Johns Hop.)

G. Mikkelson; M.S., Ph.D.(Chic.) (*joint appt. with McGill School of Enk 1 70.52 151.00y(Carleton Co 1 87.863 1194n50/162ho52 wc 145.749 599.52 Tm(OEFL);)Tj*)



### **Associate Professors**

S. Stroud; A.B.(Harv.), Ph.D.(Princ.)

### **Assistant Professors**

M. Blome-Tillmann; B.Phil., D.Phil.(Oxf.)

I. Hirose; B.A., M.A.(Waseda), Ph.D.(St. And.) (*joint appt. with McGill School of Environment*)

A. Reisner; B.A.(Middlebury), M.A.(Brist.), D.Phil.(Oxf.)

D. Schlimm; M.Sc.(TU Darmstadt), M.Sc., Ph.D.(Carn. Mell)

H. Sharp; A.B.(Occidental), M.A.(Binghamton), Ph.D.(Penn.)

### **Associate Professor (part-time)**

K. Arvanitakis

### **Associate Members**

A. Abizadeh (*Political Science*)

B. Gillon (*Linguistics*)

L. Kaplan (*Jewish Studies*)

J. Le

**Required Courses (18 credits)**

PHIL 607	(6)	Pro-Seminar 1
PHIL 682	(6)	Pro-Seminar 3

## Language Requirement

One research language at the advanced level or two research languages at the intermediate level.

### 15.11.19.7 Doctor of Philosophy (Ph.D.); Philosophy — Environment

The Graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socioeconomic and ethical judgments have. The option also provides a forum whereby graduate students bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

## Thesis

### Required Courses (24 credits)

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
PHIL 607	(6)	Pro-Seminar 1
PHIL 682	(6)	Pro-Seminar 3
PHIL 685	(3)	Fundamentals of Logic
PHIL 690	(3)	Candidacy Paper

### Complementary Courses

(24-30 credits)

Students admitted to Ph.D. 1 require ten complementary courses

Students admitted to Ph.D. 2 require eight complementary courses

Minimum of two courses from the following:

PHIL 551	(3)	Seminar: Ancient Philosophy 2
PHIL 556	(3)	Seminar: Medieval Philosophy
PHIL 560	(3)	Seminar: 17th Century Philosophy
PHIL 561	(3)	Seminar: 18th Century Philosophy
PHIL 567	(3)	Seminar: 19th Century Philosophy
PHIL 575	(3)	Seminar: Contemporary European Philosophy

and/or any other course at the 500, 600, or 700 level in the History of Philosophy recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward satisfaction requirements.

Minimum of two courses from the following:

- |          |     |                             |
|----------|-----|-----------------------------|
| PHIL 506 | (3) | Seminar: Philosophy of Mind |
| PHIL 507 | (3) | Seminar: Cognitive Science  |
|          |     | Seminar: Adv                |

Students admitted to Ph.D. 1 require ten complementary courses

Students admitted to Ph.D. 2 require eight complementary courses

Minimum two courses from the following:

PHIL 551	(3)	Seminar: Ancient Philosophy 2
PHIL 556	(3)	Seminar: Medieval Philosophy
PHIL 560	(3)	Seminar: 17th Century Philosophy
PHIL 561	(3)	Seminar: 18th Century Philosophy
PHIL 567	(3)	Seminar: 19th Century Philosophy
PHIL 575	(3)	Seminar: Contemporary European Philosophy

and/or any other course at the 500, 600, or 700 level in the History of Philosophy recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of two courses from the following:

PHIL 534	(3)	Seminar: Ethics
PHIL 540	(3)	Seminar: Philosophy and Social Sciences
PHIL 542	(3)	Seminar: Feminist Theory
PHIL 543	(3)	Seminar: Medical Ethics
PHIL 544	(3)	Political Theory
PHIL 548	(3)	Seminar: Philosophy of Law

and/or any other course at the 500, 600, or 700 level in Value Theory recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of two courses from the following:

PHIL 506	(3)	Seminar: Philosophy of Mind
PHIL 507	(3)	Seminar: Cognitive Science



**section 15.11.20.8: Master of Arts (M.A.); Political Science (Non-Thesis) (45 credits)**

The M.A. program is generally recognized as among the most demanding and rewarding in Canada. Students in the Non-Thesis program will submit a research essay. The research essay will normally be based on a paper written for a graduate seminar or an independent reading course. The research essay requirement also applies to each of the Non-Thesis options listed below.

**section 15.11.20.9: Master of Arts (M.A.); Political Science (Non-Thesis) — Development Studies (45 credits)**

The Development Studies Option (DSO) is a cross disciplinary M.A. program offered within existing M.A. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students take an interdisciplinary seminar that will be co taught by professors from two different disciplines (INTD 657 Development Studies Seminar) and a variety of graduate-level courses on international development issues. Students interested in development will benefit from the expertise provided by the Institute for the Study of International Development. For more information on the Institute, see their website: [www.mcgill.ca/isid/studies/option](http://www.mcgill.ca/isid/studies/option).

**section 15.11.20.10: Master of Arts (M.A.); Political Science (Non-Thesis) — European Studies (45 credits)**

The European Studies Option (ESO) is an option offered within existing M.A. programs in the departments of Political Science, History, and Sociology, as well as in the Faculty of Law. This option is open to students whose work is focused on Europe, in particular on issues relating to European integration, broadly understood. Students enter through one of the participating departments and must meet the requirements of that unit. Students will take an interdisciplinary capstone seminar and two other courses on European themes and issues as part of their M.A. program. Knowledge of French, while not a prerequisite, is an important asset for admission and will be encouraged as part of the program, as will knowledge of a third European language.

**section 15.11.20.11: Master of Arts (M.A.); Political Science (Non-Thesis) — Gender and Women's Studies (45 credits)**

The Gender and Women's Studies Option offers McGill graduate students who meet the degree requirements in a participating unit and who wish to earn 6 credits of approved coursework a cross disciplinary specialization in feminist, gender and/or women's studies, deploying a wide array of disciplinary methodologies and modes of inquiry. The student's research paper must be on a topic centrally focused on gender and/or women's studies. See [www.mcgill.ca/igsf/programs/gws](http://www.mcgill.ca/igsf/programs/gws).

**section 15.11.20.12: Master of Arts (M.A.); Political Science (Non-Thesis) — Social Statistics (45 credits)**

The Social Statistics Option complements disciplinary training with research experience applying statistical methods to Statistics Canada data or equivalent. Students complete course requirements, supplemented by further statistical courses, as advised by the Option Adviser, and subject to approval by the Department, and a statistics based M.A. research paper in conjunction with an interdisciplinary capstone seminar. See [www.mcgill.ca/socialstatistics](http://www.mcgill.ca/socialstatistics). Entrance to this option is by application to the Social Statistics Option Committee subsequent to acceptance into the Department program. A research paper is required to demonstrate proficiency in research. It is normally about 50 pages in length and involves revision of a paper written for one of the graduate courses completed in the program. The research paper is evaluated by two faculty members in the Department.

**Ph.D. Programs****section 15.11.20.13: Doctor of Philosophy (Ph.D.); Political Science**

The doctoral program is designed to give students the necessary foundation for making original contributions to knowledge. Graduate courses provide students with analytical and theoretical tools used in particular subfields. This general training includes specialized training in research methods. Recent graduates of our doctoral program are pursuing diverse employment opportunities, see: [www.mcgill.ca/politicalscience/grad/recentplacements](http://www.mcgill.ca/politicalscience/grad/recentplacements).

**section 15.11.20.14: Doctor of Philosophy (Ph.D.); Political Science — Gender and Women's Studies**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Political Science and who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. This option is a cross-disciplinary specialization run by the McGill Institute for Gender, Sexuality, and Feminist Studies (see [www.mcgill.ca/igsf](http://www.mcgill.ca/igsf)). The student's doctoral thesis must be on a topic centrally related to gender and/or women's studies. For more information on the option, see: [www.mcgill.ca/igsf/programs/gws](http://www.mcgill.ca/igsf/programs/gws).

**15.11.20.3 Political Science Admission Requirements and Application Procedures****15.11.20.3.1 Admission Requirements**

The graduate admissions committee only considers applications from those who already have an undergraduate academic degree in political science or a closely related field (e.g., international studies, sociology, philosophy for prospective political theorists, etc.). Those without this required background occasionally enrol as Special Students in the undergraduate program and take upper-level undergraduate courses in order to build the academic record necessary to apply to the graduate program.

**Master's**

Students holding a B.A. degree may be eligible for admission to the M.A. program. Preparation equivalent to a McGill Honours program in political science is desirable.

**Ph.D.**

Students holding a master's degree in political science may be eligible for admission to the Ph.D. program. In some instances, outstanding students with a B.A. in political science may be admitted directly into the Ph.D. program without having completed an M.A. degree. They will be considered Ph.D. 1 and some previous political science coursework could be applied to the requirements of the program, provided that it did not count toward any other degree.

#### **Reference Letters**

All applicants, including those who have done their undergraduate work at McGill, must submit two letters of reference. Note that referees will not be contacted by McGill – it is the applicant's responsibility to contact their referees to ensure references are sent in time to be considered; it is recommended that you contact your referees at least a month in advance of the deadline. **Applications that do not have references by January 15 will not be considered.**

#### **Transcripts**

Two original copies of each transcript from all universities attended must be sent to the Political Science Department in sealed university-stamped envelopes.

#### **GRE and TOEFL Exams**

GRE results are required for applications to the doctoral program. Use codes McGill 0935 – Political Science 1999. The test should be written well in advance of the application deadline. See [www.gre.org](http://www.gre.org) for more information on registering for the test. GRE results are not required for students applying to the master's program.

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian/American institution (anglophone or francophone), must submit



## Professors

Jody S. Heymann; B.A.(Yale), M.D., Ph.D.(Harv.) (*Canada Research Chair*)

Christopher Manfredi; B.A., M.A.(Calg.), M.A., Ph.D.(Claremont)

T. V. Paul; B.A., M.A.(Kerala), M.Phil.(J. Nehru U.), M.A., Ph.D.(Calif.-LA) (

POLI 691 (6) Bibliographic Methods 1

**Complementary Courses (15 credits)**

3-6 credits, either of the following 3-credit options or, preferably, both:

POLI 612 (3) Research Design and Empirical Methods

or a more suitable advanced course

or, one 3-credit options or

Of the 12 credits of complementary courses, up to 3 credits may be taken from outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**15.11.20.7 Master of Arts (M.A.); Political Science (Thesis) — European Studies (45 credits)**

**Thesis Courses (24 credits)**

POLI 697	(12)	M.A. Thesis Proposal
POLI 698	(12)	Master's Thesis Submission

**Required Courses (9 credits)**

POLI 659	(3)	Interdisciplinary Seminar in European Studies
POLI 691	(6)	Bibliographic Methods 1

**Complementary Courses (12 credits)**

3-6 credits, either of the following 3-credit options, or preferably both:

POLI 612	(3)	Research Design and Empirical Methods
----------	-----	---------------------------------------

or a suitable more advanced 500- or 600- level course

or one of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Classical Political Thought
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

3-6 credits from the following group of courses on European politics:

POLI 619	(3)	Immigrants / Refugees / Minorities
POLI 625	(3)	Comparative Policy Analysis
POLI 628	(3)	Comparative Politics
POLI 629	(3)	Post-Communist Transformations
POLI 630	(3)	Topics in European Politics
POLI 639	(3)	Politics of Developed Areas
POLI 651	(3)	The EU and Political Integration
POLI 680	(3)	Social Change/Advanced Industrialized Democracies

3-6 credits at the 500, 600, or 700 level in courses in political science. A course list is available from the Department.

Of the 12 credits of complementary courses, up to 3 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**15.1123 Master of Arts (M.A.); Political Science (Non-Thesis) (45 credits)**

<b>Research Project (18 credits)</b>		<b>j</b>	<b>e</b>	<b>c</b>	<b>t</b>
POLI 693	(3)	M.A. Research Proposal			
POLI 694	(3)	Research Preparation 1			
POLI 695	(3)	Research Preparation 2			
POLI 696	(3)	Research Preparation 3			
POLI 699	(6)	Master's Research Essay			

**Required Course (6 credits)**

POLI 691	(6)	Bibliographic Methods 1
----------	-----	-------------------------

**Complementary Courses (21 credits)**

3-6 credits, either of the following 3-credit options, or preferably, both:

POLI 612	(3)	Research Design and Empirical Methods	s	e
----------	-----	---------------------------------------	---	---

or a suitable more advanced course

One of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Classical Political Thought
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

15-18 credits of 500- or 600-level courses; up to 6 credits may be outside the Department.

**Master of Arts (M.A.); Political Science (Non-Thesis) (45 credits)**

---

or a suitable more advanced 500- or 600- level course

One of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Classical Political Thought
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

12-15 credits of additional 500- or 600-level courses related to international development studies. Course list is available from the Department.

Of the 18 credits of complementary courses, up to 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program in international development studies approved by the Department.

**15.11.20.10 Master of Arts (M.A.); Political Science (Non-Thesis) — European Studies (45 credits)**

**Research Project (18 credits)**

POLI 693	(3)	M.A. Research Proposal
POLI 694	(3)	Research Preparation 1
POLI 695	(3)	Research Preparation 2
POLI 696	(3)	Research Preparation 3
POLI 699	(6)	Master's Research Essay

**Required Courses (9 credits)**

POLI 659	(3)	Interdisciplinary Seminar in European Studies
POLI 691	(6)	Bibliographic Methods 1

**Complementary Courses (18 credits)**

3-6 credits, either of the following 3-credit options or, preferably, both:

POLI 612	(3)	Research Design and Empirical Methods
----------	-----	---------------------------------------

or a suitable more advanced 500- or 600-level course

or one of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Classical Political Thought
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

6-9 credits from the following group of courses on European Politics:

POLI 619	(3)	Immigrants / Refugees / Minorities
POLI 625	(3)	Comparative Policy Analysis
POLI 628	(3)	Comparative Politics

POLI 629	(3)	Post-Communist Transformations
POLI 630	(3)	Topics in European Politics
POLI 639	(3)	Politics of Developed Areas
POLI 651	(3)	The EU and Political Integration
POLI 680	(3)	Social Change/Advanced Industrialized Democracies

3-6 credits at the 500, 600, or 700 level in courses in the Department. A course list is available from the Department.

Of the 18 credits of complementary courses, up to 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

Note: Should the "other" approved gender/women's studies course be taken in the Department of Political Science, the student is eligible to take a 500- or 600-level course as determined by the student's area of study outside the Department.

Candidates for the M.A. degree follow an indi

**Complementary Courses (13 courses)**

13 courses at the 500, 600, or 700 level chosen as follows:

**Major Fields: 8 courses**

Four courses chosen in first major field.

Four courses chosen in second major field.

Note: One course out of the eight must be a 700-level research seminar in one of the major fields.

**Political Theory: 1 course**

One course in political theory at the 500, 600, or 700 level.

**Methods: 1 course**

POLI 612

(3)

Research Design and Empirical Methods

or another suitable Advanced Methods course.

**Additional Courses: 3 courses**

Three additional courses of which at least one must be outside the student's major fields.

**Advanced Research Tools**

.772 Tm(ools)Tj-0.151 Tw/F1 8.1 toanage Tmquir249 T00 1 3 1 7s1.384 d97s0 165.dv1 0 0 1 235.021547 Tw/F1 8.1 t772 T0)



## Methods

3 credits of:

POLI 612 (3) Research Design and Empirical Methods

## Gender Courses

3 credits at the 500 level or higher from the list of complementary courses offered by the graduate option in Gender and Women's Studies.

## Advanced Research Tools

Language Requirement: Students must pass an advanced-level translation test from a language other than English. If the student's research will involve field work in a country where English is not widely spoken, the test will include an oral component. In selecting a language to fulfil this requirement, the student must demonstrate in writing how the chosen language is related to his or her research.

OR

Advanced Statistical Methods: To fulfil this requirement, students must complete a course (at the 500 level or higher) in advanced statistical methods.

## 15.11.21 Psychology

### 15.11.21.1 Location

Stewart Biological Sciences Building, Room W8/33A  
1205 Dr. Penfield Avenue  
Montreal, QC H3A 1B1  
Canada

Telephone: 514-398-6124 / 514-398-6100

Fax: 514-398-4896

Email: [gradsec@ego.psych.mcgill.ca](mailto:gradsec@ego.psych.mcgill.ca)

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

### 15.11.21.2 About Psychology

The aim of the Experimental program is to provide students with an environment in which they are free to develop skills and expertise that will serve during a professional career of teaching and research as a psychologist. Coursework and other requirements are at a minimum. Success in the program depends on the student's ability to organize unscheduled time for self education. Continuous involvement in research planning and execution is considered a very important component of the student's activities. Students are normally expected to do both master's and doctoral study.

M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a stage - students undergo formal evaluation in the Ph.D. program.

The Clinical program adheres to the scientist practitioner model and as such is designed to train students for careers in university teaching or clinical research, and for service careers – w. Moon

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as

Supporting documents are submitted directly to the Department of Psychology:

Graduate Admissions  
 Department of Psychology  
 McGill University  
 1205 Dr. Penfield Avenue  
 Montreal, QC H3A 1B1  
 Canada

Applicants should note that the deadline for many scholarships and fellowships is about four months earlier than the application dates for guaranteed consideration and that applications for scholarships and fellowships should be submitted through their home university.

#### 15.11.21.4 Psychology Faculty

##### Chair

David Zuroff

##### Emeritus Professors

A.S. Bregman; M.A.(Tor.), Ph.D.(Yale)  
 D. Donderi; B.A., B.Sc.(Chic.), Ph.D.(C'nell)  
 V. Douglas; B.A.(Qu.), M.A., M.S.W., Ph.D.(Mich.)  
 A.A.J. Marley; B.Sc.(Birm.), Ph.D.(Penn.)  
 R. Melzack; B.Sc., M.Sc., Ph.D.(McG.) (*E.P. Taylor Emeritus Professor of Psychology*)  
 P. Milner; B.Sc.(Leeds), M.Sc., Ph.D.(McG.)  
 J.O. Ramsay; B.Ed.(Alta.), Ph.D.(Princ.)

##### Professors

F.E. Aboud; B.A.(Tor.), M.A., Ph.D.(McG.)  
 M. Baldwin; B.A.(Tor.), M.A., Ph.D.(Wat.)  
 I.M. Binik; B.A.(NYU), M.A., Ph.D.(Penn.)  
 B. Ditto; B.S.(Iowa), Ph.D.(Ind.)  
 K.B.J. Franklin; B.A., M.A.(Auck.), Ph.D.(Lond.)  
 F.H. Genesee; B.A.(W. Ont.), M.A., Ph.D.(McG.)  
 R. Koestner; B.A., Ph.D.(Roch.)  
 J. Lydon; B.A.(Notre Dame), M.A., Ph.D.(Wat.)  
 J. Mogil; B.Sc.(Tor.), Ph.D.(Calif.-LA) (*E.P. Taylor Professor of Psychology*)  
 D.S. Moskowitz; B.S.(Kirkland), M.A., Ph.D.(Conn.)  
 Y. Oshima-Takane; B.A.(Tokyo Women's Christian U.), M.A.(Tokyo), Ph.D.(McG.)  
 D.J. Ostry; B.A.Sc., M.A.Sc., Ph.D.(Tor.)  
 C. Palmer; B.Sc.(Mich.), M.Sc.(Rutg.), Ph.D.(C'nell)  
 M. Petrides; B.Sc., M.Sc.(Lond.), Ph.D.(Cant.)  
 R.O. Pihl; B.A.(Lawrence), Ph.D.(Ariz.)  
 B. Sherwin; B.A., M.A., Ph.D.(C'dia) (*James McGill Professor*)  
 T.R. Shultz; B.A.(Minn.), Ph.D.(Yale)  
 M. Sullivan; B.A.(McG), M.A., Ph.D.(C'dia)  
 Y. Takane; B.L., M.A.(Tokyo), Ph.D.(N. Carolina)  
 D.M. Taylor; M.A., Ph.D.(W. Ont.)  
 N. White; B.A.(McG.), M.A., Ph.D.(Pitt.)

## Professors

D.C. Zuroff; B.A.(Harv.), M.A., Ph.D.(Conn.)

## Associate Professors

A.G. Baker; B.A.(Br. Col.), M.A., Ph.D.(Dal.)

E.S. Balaban; B.A.(Mich. St.), Ph.D.(Rockefeller)

H. Hwang; B.A.(Chung-Ang), Ph.D.(McG.)

B. Knauper; Dr. phil.(Germany, Mannheim)

D.J. Levitin; A.B.(Stan.), M.S., Ph.D.(Ore.) (*Bell Professor of Psychology and E-Commerce*)

M.J. Mendelson; B.Sc.(McG.), A.M., Ph.D.(Harv)

### 15.11.21.5 Master of Arts (M.A.); Psychology (Thesis) (45 credits)

M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a stage in the Ph.D. program. There is no M.A. or M.Sc. program in Clinical Psychology.

#### Thesis Courses (27 credits)

PSYC 690	(15)	Masters Research 1
PSYC 699	(12)	Masters Research 2

#### Required Courses (18 credits)

PSYC 601	(6)	Master's Comprehensive
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

### 15.11.21.6 Doctor of Philosophy (Ph.D.); Psychology

All candidates for the Ph.D. degree must demonstrate broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of their special field. Great emphasis is placed on the development of research skills, and the dissertation forms the major part of the evaluation at the Ph.D. level.

Ph.D. students in Clinical Psychology must fulfil similar requirements to Ph.D. students in the Experimental Program and must also take a variety of specialized courses, which include practicum and internship experiences.

#### Thesis

##### Required Course (6 credits)

PSYC 701	(6)	Doctoral Comprehensive Examination
----------	-----	------------------------------------

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 710 to PSYC 758.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language. However, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill Master's degree then the following courses are also required:

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

### 15.11.21.7 Doctor of Philosophy (Ph.D.); Psychology — Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Psychology. The Ph.D. thesis must be on a topic relating to language acquisition, approved by the LAP committee.

#### Thesis

##### Required Courses (14 credits)

EDSL 711	(2)	Language Acquisition Issues 3
LING 710	(2)	Language Acquisition Issues 2

vedses (27 credit08.d1ed S1290T, Gg

PSYC 701	(6)	Doctoral Comprehensive Examination
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 712	(2)	Language Acquisition Issues 4

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 710 to PSYC 758.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill Master's degree then the following courses are also required:

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

### **Complementary Courses (9 credits)**

One graduate-level course in statistics, such as:

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

Two courses selected from the following list, at least one course must be outside the Department of Psychology:

EDSL 620	(3)	Critical Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Classroom-Centred Second Language Research
EDSL 629	(3)	Second Language Assessment
EDSL 632	(3)	Second Language Literacy Development
EDSL 664	(3)	Second Language Research Methods
LING 555	(3)	Language Acquisition 2
LING 590	(3)	Language Acquisition and Breakdown
LING 651	(3)	Topics in Acquisition of Phonology
LING 655	(3)	Theory of L2 Acquisition
LING 755	(3)	Advanced Seminar: Language Acquisition
PSYC 734	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
PSYC 736	(3)	Developmental Psychology and Language
PSYC 737	(3)	Developmental Psychology and Language
SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children

SCSD 633	(3)	Language Development
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2

### 15.11.21.8 Doctor of Philosophy (Ph.D.); Psychology — Psychosocial Oncology

The Ph.D. thesis topic must be germane to psychosocial oncology and approved by the PSO coordinating committee.

#### Thesis

#### Required Courses (12 credits)

NUR2 705	(3)	Palliative Care
NUR2 783	(3)	Psychosocial Oncology Research
PSYC 701	(6)	Doctoral Comprehensive Examination

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 710 to PSYC 758.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language, however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill Master's then the following courses are also required:

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

#### Complementary Course (3 credits)

One of the following courses:

PSYC 507	(3)	Emotions, Stress, and Illness
PSYC 753	(3)	Health Psychology Seminar 1
SWRK 609	(3)	Understanding Social Care
SWRK 668	(3)	Living with Illness, Loss and Bereavement

### 15.11.22 Quebec Studies / Études sur le Québec

#### 15.11.22.1 Location

Quebec Studies Program / Programme d'études sur le Québec  
 Ferrier Building, Room 332  
 840 Dr. Penfield Avenue  
 Montreal, QC H3A 1A4  
 Canada

Telephone: 514-398-3960  
 Fax: 514-398-3959  
 Website: [www.mcgill.ca/qcst](http://www.mcgill.ca/qcst)

*Director*



The minimum academic requirement is normally a high standing in an undergraduate degree with Honours Russian (or an equivalent specialization). Further, the Department must be convinced that the candidate for admission has an aptitude for research work and will be able to make an original contribution to knowledge.

A working kno

**15.11.23.6 Doctor of Philosophy (Ph.D.); Russian**

**Thesis**

**Required Courses**

RUSS 700	(0)	Ph.D. Tutorial
RUSS 701	(0)	Ph.D. Comprehensive Examination
RUSS 702	(0)	Ph.D. Thesis Proposal

***section 15.11.12.13: Master of Arts (M.A.); History of Medicine (Non-Thesis) (45 credits)***

The program requires the completion of 45 credits, composed of required courses, graduate seminars, plus a major research paper. The program is normally completed in three terms, or one calendar year.

***section 15.11.26.9: Master of Arts (M.A.); Sociology (Thesis) — Medical Sociology (48 credits)***

This includes 18 credits of coursework and a research thesis that is based on original research (30 credits).

***section 15.11.26.14: Master of Arts (M.A.); Sociology (Non-Thesis) — Medical Sociology (45 credits)***

This includes 27 credits of coursework and a research paper based on original research (18 credits).

**Ph.D. Programs**

For information on the doctoral programs, please refer to the appropriate Department – *section 15.11.1: Anthropology*, *section 15.11.12: History and Classical Studies*, or *section 15.11.26: Sociology*.

**15.11.24.3 Social Studies of Medicine Admission Requirements and Application Procedures**

**15.11.24.3.1 Admission Requirements**

**M.A. in Medical Anthropology**

The program is open to students with backgrounds in the social sciences, the medical professions, or the medical sciences.

**M.A. in the History of Medicine**

Candidates must have a background in either history (Honours B.A. in History or equivalent) or a degree in one of the health professions.

**M.A. in Medical Sociology**

The program is open to students with a background in social sciences, health professions, or health sciences. It aims to prepare candidates for a career of teaching and research in medical sociology, and there is consequently a preference for applicants with the potential to proceed to the doctoral degree.

**Ph.D. Programs**

Candidates for a Ph.D. will normally have taken their M.A. in the same field. Please refer to the appropriate department – Anthropology, History, or Sociology.

**15.11.24.3.2 Application Procedures**

## Professors

Andrea Tone; M.A., Ph.D.(Emory) (*Canada Research Chair in the Social History of Medicine*)

George Weisz; M.A., Ph.D.(SUNY), Dr. 3rd Cycle(Paris) (*Cotton-Hannah Professor of the History of Medicine*)

Allan Young; M.A.(Wash.), B.A., Ph.D.(Penn.) (*Marjorie Bronfman Professor in Social Studies in Medicine*)

## Associate Professors

Jonathan Kimmelman; M.A., Ph.D.(Yale)

Faith E. Wallis; M.A., M.L.S.(McG.), Ph.D.(Tor.)

## Assistant Professor

Tobias Rees; M.A.(Tübingen), Ph.D.(Calif., Berk.)

## Assistant Professors (Primary Appointment: Biomedical Ethics Unit)

Jennifer Fishman; M.A.(Calif., Irvine), Ph.D.(Calif.)

Nicholas King; M.A., Ph.D.(Harv.)

## Adjunct Professor

Cornelius Borck; M.A., M.D.(Free Univ., Berlin), Ph.D.(Lond.)

## 15.11.25 Social Work

### 15.11.25.1 Location

School of Social Work  
Wilson Hall  
3506 University Street, Suite 300  
Montreal, QC H3A 2A7  
Canada

Telephone: 514-398-7070

Fax: 514-398-4760

Email: [graduate.socialwork@mcgill.ca](mailto:graduate.socialwork@mcgill.ca)

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

### 15.11.25.2 About Social Work

The School of Social Work offers dynamic M.S.W. and Ph.D. programs, designed to explore cutting edge knowledge on social work theory, practice, policy, and research. We have an exciting and growing faculty with a variety of research and practice expertise in the fields of: child welfare; health, mental health, and disability; poverty; aging; First Peoples'; marginalized groups (e.g., immigrants and refugees, war affected populations, gay, lesbian, bisexual and transgender people); loss and bereavement; domestic violence; and international social work. Our approaches to practice and research cov

3. understand population groups in need, institutional structures, and policy initiatives and processes.

The M.S.W. degree can be pursued via two options: Thesis and Non-Thesis. Both options carry a weight of 45 credits, and, taken on a full-time basis, both options involve three terms of study. In both options, part-time study can be arranged.

**Ph.D. Program in Social Work**

The School of Social Work offers a dynamic Ph.D. program in social work/social policy in order to promote the development of scholarship on social issues within Canada and Quebec. Courses are offered in English at McGill. A parallel stream is offered in French at Université de Montréal. Students have the option of taking courses at either univ

Students who have successfully completed all requirements in the first year of the 60-credit (two-year) B.S.W. program in the School of Social Work at McGill University are also eligible to apply to the M.S.W. program. These students must hav

### **Associate Professors**

Estelle Hopmeyer; B.A., M.S.W.(McG.)

Julia Krane; B.A.(Ott.), B.S.W.(McG.), M.S.W., Ph.D.(Tor.)

Lucyna Lach; B.A., M.S.W., Ph.D.(Tor.)

### **Assistant Professors**

Sharon Bond; B.A.(Sir G. Wms.), B.Sc.(Montr.), M.S.W., Ph.D.(McG.)

Delphine Collin-Vézina; B.Sc., Ph.D.(Montr.)

Isabelle Dumont; B.A., M.A., Ph.D.(Laval)

Jill Hanley; B.A., B.S.W.(McG.), M.A.(Tufts), Ph.D.(Montr.)

Nicole Ives; B.A.(Col.), M.S.W., Ph.D.(Penn.)

David Rothwell; B.A.(Pitzer), M.S.W.(Tulane), Ph.D.(Hawaii)

Tamara Sussman; B.A., B.S.W., M.S.W.(McG), Ph.D.(Tor.)

### **Professor of Practice in Public Policy and Global Health Diplomacy**

Nick Drager; B.Sc., M.D.,C.M.(McG.), Ph.D.(Geneva)

### **Coordinator of Field Education**

Francine Granner; B.S.W., M.S.W.(McG.)

### **Associate Coordinator of Field Education**

Karen Hetherington; B.A.(C'dia), M.A.(Montr.)

### **15.11.25.5 Master of Social Work (M.S.W.); Social Work (Thesis) (45 credits)**

The School of Social Work at McGill University prepares graduates for careers and leadership in the fields of social work and social welfare. In the M.S.W. program, students dev

**15.11.25.6 Master of Social Work (M.S.W.); Social Work (Non-Thesis) (45 credits)**

The School of Social Work at McGill University prepares graduates for careers and leadership in the fields of social work and social welfare. In the M.S.W. program, students develop an understanding of a broad range of theories which inform practice, policy, and research. Envisioned as an opportunity to advance knowledge and skills, students are encouraged to immerse themselves in an area of scholarship and practice related to "Children and Families", "Social Care and Health Studies", and "Community and International Development". In addition, students investigate a subject matter of their choice in one of these broad areas of study through an independent study project or a master's thesis. Through the M.S.W. program, students develop critical and innovative approaches to practice competence and to policy analysis such that they may contribute to both established social services and to new and less developed areas of service provision.

**Research Project (9 credits)**

SWRK 690	(9)	Independent Study Project
----------	-----	---------------------------

**Required Courses (18 credits)**

SWRK 643	(3)	Research Methods 2
SWRK 650	(3)	Field Work Practicum 1
SWRK 651	(3)	Field Work Practicum 2
SWRK 653	(3)	Research Methods 1
SWRK 660	(6)	Field Work Practicum 3

**NOTE:**

While not a prerequisite for admission, possession of a working knowledge of the French language is important not only to candidates who intend to seek admission to the Quebec professional Ordre after graduation but also to those who wish to maximize their field placement opportunities during their program. In consultation with the Field Education Coordinator, students may have the option of completing their field requirements at an approved social service agency outside of Quebec.

**Elective Courses (18 credits)**

18 credits of 500 or 600 level courses; up to 6 credits in total may be taken outside the Department.

Students in both M.S.W. options are invited to take up to two courses in other departments of the University in areas of study not offered in the School of Social Work. Students also have the option of taking equivalent research methodology courses offered in other departments to fulfil the research requirement. All students must secure the approval of their adviser prior to registration for such courses.

**15.11.25.7 Joint Master of Social Work (M.S.W.) with B.C.L. and LL.B. (132 credits)**

A joint Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) and Bachelor of Laws (LL.B.) program is offered by the School of Social Work and the Faculty of Law.

Students complete 45 credits for the M.S.W. degree and 87 credits for the integrated B.C.L. and LL.B. degrees for a total of 132 credits.

**Required - Social Work (30 credits)**

SWRK 643	(3)	Research Methods 2
SWRK 650	(3)	Field Work Practicum 1
SWRK 651	(3)	Field Work Practicum 2
SWRK 653	(3)	Research Methods 1
SWRK 660	(6)	Field Work Practicum 3
SWRK 691	(12)	Social Work / Law Independent Study Project

**Complementary - Social Work (15 credits)**

Students complete 15 credits of SWRK 500- or 600-level courses. A total of 6 graduate-level credits may be taken outside the School of Social Work with the approval of the academic adviser.

**Required - Law (49 credits)**



LAWG 100D1	(3)	Contractual Obligations
LAWG 100D2	(3)	Contractual Obligations
LAWG 101D1	(2.5)	Extra-Contractual Obligations/Torts
LAWG 101D2	(2.5)	Extra-Contractual Obligations/Torts
PRAC 147D1	(1.5)	Introductory Legal Research
PRAC 147DLA	(1.5)	Introductory Legal Research

### **Complementary - Law, Civil & Common Law**

The following trans-systemic courses count half their credit weight toward the civil law requirement of 4.5 credits and half their credit weight toward the common law requirement of 4.5 credits.

BUS2 365	(4)	Business Associations
CMPL 522	(3)	Medical Liability
LAWG 200	(3)	Commercial Law
LAWG 273	(3)	Family Law
LAWG 300	(3)	Family Property Law
LAWG 316	(3)	Private International Law
LAWG 400	(4)	Secured Transactions
LAWG 415	(3)	Evidence (Civil Matters)
PRV5 483	(3)	Consumer Law

### **Complementary - Law, Social Diversity and Human Rights (3 credits)**

Students must take at least 3 credits from the following courses related to social diversity and human rights.

CMPL 500	(3)	Aboriginal Peoples and the Law
CMPL 504	(3)	Feminist Legal Theory
CMPL 511	(3)	Social Diversity and Law
CMPL 516	(3)	International Development Law
CMPL 565	(3)	International Humanitarian Law
CMPL 571	(3)	International Law of Human Rights
CMPL 573	(2)	Civil Liberties
CMPL 575	(3)	Discrimination and the Law
LAWG 503	(3)	Inter-American Human Rights
LEEL 582	(3)	Law and Poverty
PUB2 105	(3)	Public International Law
PUB2 500	(3)	Law and Psychiatry
PUB2 502	(3)	International Criminal Law

**Complementary Courses**

One of the following courses:

SWRK 722	(3)	Advanced Seminar: Social Work Intervention
SWRK 723	(3)	Advanced Seminar on Social Policy

One of the following courses:

SWRK 724	(3)	Advanced Research Methods and Analysis: Quantitative Data
SWRK 725	(3)	Advanced Qualitative Research Methods and Data Analysis

One course in Social Work or a related discipline.

**15.11.26 Sociology****15.11.26.1 Location**

Department of Sociology



*section 15.11.26.15: Master of Arts (M.A.); Sociology (Non-Thesis) — Social Statistics (45 credits)*

the most important relevant scholarly work and the ability to carry out research and organize the results of the research. The program is designed to be completed within twelve months.

**Ph.D. Program Options**

*section 15.11.26.16*

**M.A. in Medical Sociology**

The program is open to students with a social sciences, health professions, or health sciences background. It is interdisciplinary in nature and includes required courses offered by both participating departments as well as a research paper/thesis based on original research. For additional information concerning this program, please consult the Social Studies of Medicine section or the website, [www.mcgill.ca/ssom](http://www.mcgill.ca/ssom).

**15.11.26.32 Application Procedures****Dates f**

### Associate Professors

Lucia Benaquisto; B.A.(SUNY, Albany), M.A., Ph.D.(Harv.)  
Shelley Clark; B.A.(Virg.), M.A., Ph.D.(Princ.) (*on sabbatical Winter 2012*)  
Kathleen Fallon; B.A.(Calif.), M.A., Ph.D.(Ind.)  
Matthew Lange; B.A.(Carleton Coll.), M.A., Ph.D.(Brown)  
Amélie Quesnel-Vallée; B.S., M.S.(Montr.), M.S., Ph.D.(Duke) (*on sabbatical Winter 2012*)  
Steven L. Rytina; B.G.S., Ph.D.(Mich.)  
John (Jack) Sandberg; B.A.(Hunter), Ph.D.(Mich.)  
Elaine Weiner; B.A.(Grinnell Coll.), M.A.(Flor.), Ph.D.(Mich.) (*on sabbatical 2011-2012*)

### Assistant Professors

Marc (Marcos) Ancelovici; B.Sc., M.Sc.(Montr.), Ph.D.(MIT)  
Giovani Burgos; B.A.(SUNY, Albany), M.A., Ph.D.(Ind.)  
Jason Carmichael; B.A.(Ariz. St.), M.A., Ph.D.(Ohio St.)  
Eran Shor; B.A., M.A.(Haifa), M.A., Ph.D.(Stony Brook)  
Zoua Vang; B.A.(Penn.), M.A., Ph.D.(Harv.)

### Adjunct Professors

Donald Hinrichs; B.A.(W. Md.), M.A.(Md.), Ph.D.(Ohio St.)  
Ho Hon Leung; B.A., M.A.(Acad.), Ph.D.(McG.)  
Catherine Montgomery; B.A.(Car.), M.Sc., Ph.D.(Montr.)

### Associate Members

Gregory Baum (*Religious Studies*)  
Jennifer Fishman (*Social Studies of Medicine*)

## 15.11.26.5 Master of Arts (M.A.); Sociology (Thesis) (48 credits)

### Thesis Courses (33 credits)

SOCI 690	(3)	M.A. Thesis 1
SOCI 691	(6)	M.A. Thesis 2
SOCI 692	(3)	M.A. Thesis 3
SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

### Required Courses (12 credits)

SOCI 504*	(3)	Quantitative Methods 1
SOCI 540*	(3)	Qualitative Research Methods
SOCI 580*	(3)	Social Research Design and Practice
SOCI 652*	(3)	Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

### Complementary Course (3 credits)

---

One 3-credit graduate-level course, which may be in a cognate field, subject to the approval of the Graduate Committee.

**15.11.26.6 Master of Arts (M.A.); Sociology (Thesis) — Development Studies (48 credits)**

The M.A. thesis must be on a topic relating to development studies, approved by the Development Studies Option (DSO) coordinating committee.

**Thesis Courses (33 credits)**

SOCI 690	(3)	M.A. Thesis 1
SOCI 691	(6)	M.A. Thesis 2
SOCI 692	(3)	M.A. Thesis 3
SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

**Required Courses (15 credits)**

INTD 657	(3)	Development Studies Seminar
SOCI 504*	(3)	Quantitative Methods 1
SOCI 540*	(3)	Qualitative Research Methods
SOCI 580*	(3)	Social Research Design and Practice
SOCI 652*	(3)	Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

**15.11.26.7 Master of Arts (M.A.); Sociology (Thesis) — Environment (48 credits)**

(not offered in 2011-12)

**Thesis Courses (27 credits)**

An environmental component is required in the thesis.

SOCI 690	(3)	M.A. Thesis 1
SOCI 692	(3)	M.A. Thesis 3
SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

**Required Courses (18 credits)**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
SOCI 504*	(3)	Quantitative Methods 1
SOCI 540*	(3)	Qualitative Research Methods
SOCI 580*	(3)	Social Research Design and Practice
SOCI 652*	(3)	Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

**Complementary Courses (3 credits)**



3 credits from the following list:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species Sustainable Landscapes



3 credits from one of the following courses:

AGRI 550	(3)	Sustained Tropical Agriculture
BIOL 553	(3)	Neotropical Environments
BIOL 641	(3)	Issues in Tropical Biology
ENVR 611	(3)	The Economy of Nature
ENVR 612	(3)	Tropical Environmental Issues
ENVR 680	(3)	Topics in Environment 4
POLI 644	(3)	Tropical Environmental Politics
SOCI 565	(3)	Social Change in Panama

### 15.11.26.11 Master of Arts (M.A.); Sociology (Non-Thesis) (45 credits)

#### Research Project (18 credits)

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

#### Required Courses (18 credits)

SOCI 504*	(3)	Quantitative Methods 1
SOCI 540*	(3)	Qualitative Research Methods
SOCI 580*	(3)	Social Research Design and Practice
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 652*	(3)	Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

#### Complementary Courses (9 credits)

9 credits of complementary courses at the 500-, 600- or 700- level.

### 15.11.26.12 Master of Arts (M.A.); Sociology (Non-Thesis) — Development Studies (45 credits)

The research essay must be on a topic relating to development studies, approved by the Development Studies Option (DSO) coordinating committee.

#### Research Project (18 credits)

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

#### Required Courses (21 credits)

INTD 657	(3)	Development Studies Seminar
SOCI 504*	(3)	Quantitative Methods 1
SOCI 540*	(3)	Qualitative Research Methods
SOCI 580*	(3)	Social Research Design and Practice
SOCI 603	(3)	Bibliographic Methods 1

SOCI 604	(3)	Bibliographic Methods 2
SOCI 652*	(3)	Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted and exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

### Complementary Courses (6 credits)

6 credits of complementary courses at the 500, 600, or 700 level related to international development studies from the following list:

SOCI 505	(3)	Quantitative Methods 2
SOCI 510	(3)	Seminar in Social Stratification
SOCI 511	(3)	Movements/Collective Action
SOCI 512	(3)	Ethnicity & Public Policy
SOCI 515	(3)	Medicine and Society
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 529	(3)	Political Sociology 1
SOCI 530	(3)	Sex and Gender
SOCI 535	(3)	Sociology of the Family
SOCI 538	(3)	Selected Topics in Sociology of Biomedical Knowledge
SOCI 545	(3)	Sociology of Population
SOCI 550	(3)	Developing Societies
SOCI 565	(3)	Social Change in Panama
SOCI 571	(3)	Deviance and Social Control
SOCI 588	(3)	Sociology of Knowledge
SOCI 688	(1.5)	Social Statistics 1
SOCI 720	(3)	Reading in Social Theory
SOCI 730	(3)	Reading and Research

### 15.11.26.13 Master of Arts (M.A.); Sociology (Non-Thesis) — Gender and Women's Studies (45 credits)

#### Research Project (18 credits)

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

#### Required Courses (21 credits)

SOCI 504*	(3)	Quantitative Methods 1
SOCI 540*	(3)	Qualitative Research Methods
SOCI 580*	(3)	Social Research Design and Practice
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 652*	(3)	Current Sociological Theory
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (6 credits)**

6 credits at the 500, 600, or 700 level including:

WMST 602	(3)	Feminist Research Symposium
----------	-----	-----------------------------

or one 3-credit course on gender/women's studies issues at the 500, 600, or 700 level (may be taken outside of the Department).

**15.11.26.14 Master of Arts (M.A.); Sociology (Non-Thesis) — Medical Sociology (45 credits)**

This program is given jointly by the Sociology Department and the Department of Social Studies in Medicine.

**Research Project (18 credits)**

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

**Required Courses (18 credits)**

SOCI 504*	(3)	Quantitative Methods 1
SOCI 540*	(3)	Qualitative Research Methods
SOCI 580*	(3)	Social Research Design and Practice
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 652*	(3)	Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

**Complementary Courses (9 credits)**

3 credits, one of the following courses:

SOCI 515	(3)	Medicine and Society
SOCI 538	(3)	Selected Topics in Sociology of Biomedical Knowledge

3 credits, one graduate-level course in History of Medicine.

3 credits, one graduate-level course in Social Studies of Medicine.

**15.11.26.15 Master of Arts (M.A.); Sociology (Non-Thesis) — Social Statistics (45 credits)**

The program complements disciplinary training with research experience applying statistical methods to Statistics Canada data (or equivalent). It requires a statistics-based research paper that will normally, but not necessarily, flow out of a paper written for one of the graduate seminars.

Acceptance into the program is by application to the Social Statistics Option Committee and is contingent on acceptance into the M.A. program in one of the participating departments (Economics, Geography, Political Science, Sociology).

**Research Project (18 credits)**

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

**Required Courses (21 credits)**

SOCI 504*	(3)	Quantitative Methods 1
-----------	-----	------------------------

SOCI 540*	(3)	Qualitative Research Methods
SOCI 580*	(3)	Social Research Design and Practice
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 652*	(3)	Current Sociological Theory
SOCI 688	(1.5)	Social Statistics 1
SOCI 689	(1.5)	Social Statistics 2

\* All students must have taken these courses or take them during the

An environmental component is required in the thesis.

**Required Courses (9 credits)**

Ph.D. candidates must take examinations in two subfields of sociology. These fields will be chosen from the Department's areas of specialization.

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
SOCI 505	(3)	Quantitative Methods 2
SOCI 700	(0)	Ph.D. Area Examination 1
SOCI 701	(0)	Ph.D. Area Examination 2
SOCI 702	(0)	Ph.D. Proposal Approval

**Complementary Courses (9 credits)**

One course selected from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

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

Two courses at the 500, 600, or 700 level chosen from among the elective courses listed in the Sociology Department course offerings.

SOCI 702	(0)	Ph.D. Proposal Approval
SOCI 703	(0)	Bibliographic Methods 3
SOCI 704	(0)	Bibliographic Methods 4
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Research proposal is subject to Department approval and to approval by the participating faculty members in the Gender and Women's Studies Program.

### **Complementary Courses**

(15-27 credits)

Five courses at the 500, 600, or 700 level.

Four of these five courses must be taken within the Department, one of the five must be on gender/women's issues.

Students who have not taken the courses listed below must make up the deficiencies in addition to the regular coursework:

SOCI 504	(3)	Quantitative Methods 1
SOCI 540	(3)	Qualitative Research Methods
SOCI 580	(3)	Social Research Design and Practice
SOCI 652	(3)	Current Sociological Theory

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above or SOCI 505, another one must then be substituted in its place. If you are admitted at the Ph.D. 2 level a substitution will only be required in the case of an exemption from SOCI 505.

---

## **16 Faculty of Dentistry**

---

### **16.1 Dean's Welcome**

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest lev



---

## 16.2 Graduate and Postdoctoral Studies

### 16.2.1 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 Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)

**Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)**

Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.

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

Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)

**Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)**

Shari Baum; B.A.(C'neil), M.Sc.(Vermont), Ph.D.(Brown)

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

Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)

**Director (Graduate and Postdoctoral Affairs)**

Lissa B. Matyas; B.F.A., M.Sc.(C'dia)

**Director (Recruitment and Retention)**

### 16.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5

Telephone: 514-398-3990

Fax: 514-398-1626

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

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



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

**General Statement Concerning Higher Deg1nmia3fement1 0 1 Rc8.t,d3(1.693 408bl/g H0r.25)Tj1 0 0 1 1S(v)T81.693 ers allarding sp**



## **Engineering**

*section 19.11.2: Chemical Engineering*

*section 19.11.3: Civil Engineering and Applied Mechanics*

*section 19.11.4: Electrical and Computer Engineering*

*section 19.11.5: Mechanical Engineering*

## Science

[section 27.11.3: Chemistry](#)

[section 27.11.4: Computer Science](#)

[section 27.11.5: Earth and Planetary Sciences](#)

[section 15.11.9: Geography](#)

[section 15.11.18: Mathematics and Statistics](#)

[section 27.11.8: Physics](#)

[section 15.11.21: Psychology](#)

### 16.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

#### Graduate Diplomas are offered in:

Clinical Research (Experimental Medicine)	Primary Care Nurse Practitioner
Epidemiology and Biostatistics	Professional Performance
Islamic Studies	Public Accountancy (C.A.)
Library and Information Studies	Registered Dietician Credentialing (R.D.)
Mining Engineering	School and Applied Child Psychology (post-Ph.D.)
Nursing	Surgical Health Care Research

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

#### Graduate Certificates are offered in:

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

All graduate regulations apply to graduate diploma and certificate candidates.

### 16.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

**The following master's degrees are offered (see below for more information about sub-specializations):**      **Prerequisites:**

M.Arch. (professional degree) –14.182 Tg73U3

**The following master's degrees are offered (see below for more information about sub-specializations):**

**Prerequisites:**

Master of Manufacturing Management (M.M.M.)	See Management.
Master of Education (M.Ed.)	A 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 Law.
Master of Library and Information Studies (M.L.I.S.)	At least a bachelor's degree from a recognized university. See Library and Information Studies.
Master of Management (M.M.)	See Management.
Master of Music (M.Mus.)	Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.
Master of Sacred Theology (S.T.M.)	B.A. with specialization in religious studies or theology. See Religious Studies.
Master of Science (M.Sc.)	Bachelor of Science in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (M.Sc.A.)	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (OT) (M.Sc.A. (OT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (PT) (M.Sc.A. (PT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Social Work (M.S.W.)	Bachelor's degree in Social Work including courses in statistics and social science research methods. See Social Work.
Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See School of Social Work.  Bachelor's degree in an

Mathematics and Statistics (Thesis and Non-Thesis)

Music (Thesis and Non-Thesis)

Philosophy; option in Bioethics

Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)

Psychology

Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies

Russian

Sociology (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), Environment, Gender and Women's Studies (Thesis and Non-Thesis), Medical Sociology (Thesis and Non-Thesis), Social Statistics (Non-Thesis), Neotropical Environment

### **Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

Finance

Global Strategy and Leadership

Marketing

Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

M.B.A. with M.D.,C.M.

M.B.A. with B.C.L. and LL.B.

Master of Manufacturing Management (see Management and Mechanical Engineering)

### **Master's Degrees in Education**

Three types of master's degrees are offered: M.A. (Thesis and Non-Thesis), M.Ed. (Non-Thesis) and M.Sc. (Thesis and Non-Thesis).

The M.A. may be taken in the following areas:

**Master's Degrees in Law**

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

**Master of Library and Information Studies Degree**

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

**Master's Degrees in Music**

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

**Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

**Master's Degrees in Religious Studies**

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.

**Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering

Medical Radiation Physics  
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine  
Microbiology and Immunology  
Microbiology (Macdonald Campus); option in Environment  
Mining and Materials Engineering  
Neuroscience  
Nursing  
Otolaryngology  
Parasitology; options in Bioinformatics, and Environment  
Pathology  
Pharmacology and Therapeutics; option in Chemical Biology  
Physics  
Physiology; option in Bioinformatics  
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment  
Psychiatry  
Psychology  
Rehabilitation Sciences (Thesis and Non-Thesis)  
Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment  
Surgery, Experimental

### **Master of Science, Applied, Degrees**

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

Programs are available in:

Animal Science  
Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment  
Biotechnology  
Chemistry  
Communication Sciences and Disorders  
Human Nutrition  
Nursing  
Occupational Health  
Occupational Therapy  
Plant Science  
Physical Therapy

Other degrees:

Master of Science, Applied (OT)  
Master of Science, Applied (PT)

### **Master of Social Wy**



**The following doctoral degrees are offered (see below for more information about sub-specializations):** **Prerequisites:**

Doctor of Music (D.Mus.)

M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.

Doctor of Philosophy (Ph.D.)

An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.

**Doctor of Civil Law Degrees**

Doctoral programs are of



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 Calendar 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 mark of B- or better, all those courses which 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 course work (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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

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

---

## 16.6 General Admission for Graduate Studies



**Note:** The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

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

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

**Deadline:** Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

### 16.6.1 Application for Admission

Application information and the online application form are available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply). Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two letters of recommendation to the Graduate Studies Office at McGill University.

h atailo documensosubmmitged to McGiloUuni

an Graduate Rrecard Examination (GRE) n

to the obe slpecerd for graduatetw

**Graduate Rrecard Examination (GRE) n**  
oyd to the graduate progras. Some departmentoioomosee additionalfor higher requirement.e

**Graduate Management Admissions Test (GMAT)**

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions

### 16.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are **never** permitted to pursue two **full-time** degree programs concurrently.

### 16.6.8 Admission to an Ad Personam Joint Program

*Ad Personam* joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the "first department". 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 by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfil the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

### 16.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an *Ad Hoc* program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an *Ad Hoc* program, it must receive a favourable report from a departmental committee constituted to examine the program in question.

Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

### 16.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.

*Revised – Council of February 9, 2004.*

### 16.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

---

## 16.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies  
 (Fellowships and Awards Section)  
 James Administration Building, Room 400  
 845 Sherbrooke Street West  
 Montreal, QC H3A 2T5  
 Telephone: 514-398-3990  
 Fax: 514-398-2626  
 Email: [graduate.fellowships@mcgill.ca](mailto:graduate.fellowships@mcgill.ca)  
 Website: [www.mcgill.ca/gps/students](http://www.mcgill.ca/gps/students) (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: <http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwhimpl/js/html/wwhelp.htm>

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The *Graduate Fellowships and Awards Calendar* lists all internal awards as well as numerous external awards.

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

Research Assistantships, Teaching



[www.mcgill.ca/files/gps/Commitments\\_of\\_Postdoctoral\\_Scholars\\_and\\_Supervisors\\_July\\_09.pdf](http://www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf)). 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 Graduate and Postdoctoral Studies General Information [section 14.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#)). 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.

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 o 679.h opegraduac:.028 Tw861 8.1 Tf1 0 0 1 81.693 180.1 T65(ged fej/F1 8.1 Tf( to includreby ocs in

– 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 *General Information, Regulations and Research Guidelines*



**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;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
-

**v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g**

The following is a summary of the main elements of the new **mandatory** policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhausti

Units have the right to specify further requirements in the ev

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.
5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become **higher or lower or remain unchanged**. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

*Prepared by the Committee on Graduate Programs, Supervision and Teaching*

*Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995*

#### **16.9.6 Health and Parental/Familial Leave of Absence Policy**

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's j1 4j1 0 j1seted acc511.641 Tm(v



---

## **16.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees* 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.

### **16.10.1 Policy on Research Ethics**

Please refer to the Policy on Research Ethics available at [www.mcgill.ca/secretarj1\\_uim\\_42.52\\_7mo](http://www.mcgill.ca/secretarj1_uim_42.52_7mo)

## 16.11.1 Dentistry

### 16.11.1.1 Location

Faculty of Dentistry  
3640 University Street, Room B15  
Montreal, QC H3A 2B2  
Canada

Telephone: 514-398-7203  
Fax: 514-398-2028  
Website: [www.mcgill.ca/dentistry](http://www.mcgill.ca/dentistry)

### 16.11.1.2 About Dentistry

#### M.Sc. in Dental Sciences

The goal of this program is to train students in research in the dental sciences which comprise a number of disciplines relating to the functioning of the oro-facial complex.

#### M.Sc. in Dental Sciences, Option in Oral and Maxillofacial Surgery

A residency training program in Oral and Maxillofacial Surgery provides a candidate with a comprehensive background for the practice of Oral and Maxillofacial Surgery as a specialty.

During the four years of the program, the candidate serves as a resident principally at the Montreal General Hospital. During this time, the resident is given increasing responsibility for the care of in-patients and out-patients, as well as being required to fulfil certain basic science courses and other assignments. A research project must be undertaken, followed by a master's thesis.

The program is open to one candidate per year.

#### Ph.D. (Ad Hoc)

The Faculty of Dentistry also offers the possibility of directly entering a Ph.D. program on an ad hoc basis, or, with the permission of the supervisor and the approval of the Graduate Program Director, exceptional students may transfer from the M.Sc. to the ad hoc Ph.D. program.

#### *section 16.11.1.5: Master of Science (M.Sc.); Dental Sciences (Thesis) (45 credits)*

The goal of this program is to train students in research in the dental sciences which comprise a number of disciplines relating to the functioning of the oro-facial complex.

#### *section 16.11.1.6: Master of Science (M.Sc.); Dental Sciences (Thesis) — Oral and Maxillofacial Surgery (46 credits)*

McGill University, through the Faculty of Dentistry and the McGill University Health Centre, offers an advanced education program in Oral and Maxillofacial Surgery. The program is fully accredited by the Canadian Dental Association Accreditation Committee. It is a four-year program and commences on July 1st of each year.

#### *section 16.11.1.7: Master of Science (M.Sc.); Dental Sciences (Non-Thesis) (45 credits)*

The goal of this program is to train students in research in the dental sciences which comprise a number of disciplines relating to the functioning of the oro-facial complex.

**Dentistr**

### **16.11.1.3.2 Application Procedures**

#### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

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

#### **M.Sc. in Dental Sciences**

**Associate Professors**

D. Reinhardt; Ph.D.(Munich)  
 J.-M. Retrouvey; D.M.D.(Montr.), M.Sc.(Boston)  
 S. Schwartz; D.M.D.(Montr.), M.Sc. Cert. Pedo.(Boston), F.I.C.D., F.A.C.D.  
 M. Tabrizian; D.E.A., Ph.D.(Paris)  
 S. Tran; D.M.D.(Montr.), Cert. Perio, Ph.D.(Minn.)  
 H. Vali; B.Sc., Ph.D.(Germany)

**Assistant Professors**

M.E. Macdonald; M.A.(Dal.), Ph.D.(McG.)  
 M. Murshed; B.Sc.(Aligarh, India), M.Sc.(Free Univ., Brussels), Ph.D.(Cologne)  
 P. Schweinhardt; M.D.(Ruprecht-Karls Univ.), Ph.D.(Oxf.), Postdoctoral Fellow(McG.)  
 L. Stone; B.Sc.(Calif.), Ph.D.(Minn.)  
 F. Tamimi; D.M.D.(Jordan), Ph.D.(Madrid)  
 A. Velly; D.D.S.(Brazil), M.Sc., Ph.D.(Montr.)  
 J. Veronneau; D.D.S., M.Sc.(Montr.), Ph.D.(McG.)  
 J. Zhang; M.D.(Shanghai Second Medical), M.Sc.(Univ. Paris XIII), Ph.D.(Laval)

**Adjunct Professors**

B. Nicolau; D.D.S.(Brazil), M.Sc., Ph.D.(Lond.)  
 M.-C. Rousseau; B.Sc.(UQAM), M.Sc., Ph.D.(McG.)  
 A. F. Smith; B.A.(McG.), M.Sc., Ph.D.(Lond.)

**Associate Members**

E.L. Franco, E.G. Gisel, J. Morais, H. Warshawsky

**16.11.1.5 Master of Science (M.Sc.); Dental Sciences (Thesis) (45 credits)****Thesis Courses (30 credits)**

(24-30 credits)

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	(4.5)	Histology
------------	-------	-----------

ANAT 663D2	(4.5)	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 635	(3)	Clinical Trials
EPIB 655	(3)	Epidemiology in Public Health
EXMD 610	(3)	Biomedical Methods in Medical Research

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

#### 16.11.1.6 Master of Science (M.Sc.); Dental Sciences (Thesis) — Oral and Maxillofacial Surgery (46 credits)

##### Thesis Courses (30 credits)

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

##### Required Courses (16 credits)

DENT 631	(3)	OMFS 2 Seminar
DENT 632	(3)	Clinical OMFS 2
DENT 641	(3)	OMFS 3 Seminar
DENT 642	(3)	Clinical OMFS 3
EPIB 607	(4)	Inferential Statistics

#### 16.11.1.7 Master of Science (M.Sc.); Dental Sciences (Non-Thesis) (45 credits)

The M.Sc. degree should normally be completed within two years of full-time study.

##### Research Project (6 credits)

DENT 670	(6)	Dental Research Project
----------	-----	-------------------------

##### Required Courses (20 credits)

BIOE 682	(3)	Medical Basis of Bioethics
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)	Biomedical Methods in Medical Research

##### Complementary Courses (19 credits)

(minimum 19 credits)

19 credits from Stream 1 OR Stream 2:

**Stream 1: Basic Science Research Methods**

ANAT 663D1	(4.5)	Histology
ANAT 663D2	(4.5)	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
MIMM 509	(3)	Inflammatory Processes
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 646ion of services	(3)	Evaluation of Health Services

As a student-centred research institution, McGill 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 central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. 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*

---

## 17.2 Graduate and Postdoctoral Studies

### 17.2.1 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 Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)

**Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)**

Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.

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

Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)

**Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)**

Shari Baum; B.A.(C' nell), M.Sc.(V

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

---

**17.4 Graduate Studies at a Glance**

McGill University of



**Desautels Faculty of Management**

*section 17.11: Desautels Faculty of Management*

**Education**

*section 18.11.1: Educational and Counselling Psychology*

*section 18.11.2: Information Studies*

*section 18.11.3: Integr*

## Medicine

[section 22.11.19: Surgical Research](#)

## Religious Studies

[section 25.11.1: Religious Studies](#)

## Schulich School of Music

[section 26.11.1: Schulich School of Music](#)

## Science

[section 27.11.1: Atmospheric and Oceanic Sciences](#)

[section 27.11.2: Biology](#)

[section 27.11.3: Chemistry](#)

[section 27.11.4: Computer Science](#)

[section 27.11.5: Earth and Planetary Sciences](#)

[section 15.11.9: Geography](#)

[section 15.11.18: Mathematics and Statistics](#)

[section 27.11.8: Physics](#)

[section 15.11.21: Psychology](#)

### 17.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

#### Graduate Diplomas are offered in:

Clinical Research (Experimental Medicine)	Primary Care Nurse Practitioner
Epidemiology and Biostatistics	Professional Performance
Islamic Studies	Public Accountancy (C.A.)
Library and Information Studies	Registered Dietician Credentialing (R.D.)
Mining Engineering	School and Applied Child Psychology (post-Ph.D.)
Nursing	Surgical Health Care Research

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

#### Graduate Certificates are offered in:

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

All graduate regulations apply to graduate diploma and certificate candidates.

## 17.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

<b>The following master's degrees are offered (see below for more information about sub-specializations):</b>	<b>Prerequisites:</b>
Master of Architecture (M.Arch)	M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.
Master of Arts (M.A.)	Bachelor of Arts in the subject selected for graduate work. See appropriate unit.
Master of Business Administration (M.B.A.)	An undergraduate degree from an approved university. See Management.
Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See Management.
Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)	See Management.
Master of Manufacturing Management (M.M.M.)	See Management.
Master of Education (M.Ed.)	A 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 Law.  At least a bachelor's degree from a recognized university. See Library and Information Studies.

Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies  
 Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)  
 Education (Thesis and Non-Thesis)  
 English (Thesis and Non-Thesis)  
 French (Thesis and Non-Thesis); option in Gender and Women's Studies  
 Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics  
 German Studies (Thesis and Non-Thesis)  
 Hispanic Studies (Thesis and Non-Thesis)  
 History (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Thesis and Non-Thesis), History of Medicine (Non-Thesis)  
 Islamic Studies; option in Gender and Women's Studies  
 Italian Studies (Thesis and Non-Thesis)  
 Jewish Studies (Thesis and Non-Thesis)  
 Kinesiology and Physical Education (Thesis and Non-Thesis)  
 Linguistics (Non-Thesis)  
 Mathematics and Statistics (Thesis and Non-Thesis)  
 Music (Thesis and Non-Thesis)  
 Philosophy; option in Bioethics  
 Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)  
 Psychology  
 Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies  
 Russian  
 Sociology (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), Environment, Gender and Women's Studies (Thesis and Non-Thesis), Medical Sociology (Thesis and Non-Thesis), Social Statistics (Non-Thesis), Neotropical Environment

**Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

Finance  
 Global Strategy and Leadership  
 Marketing  
 Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

M.B.A. with M.D.,C.M.  
 M.B.A. with B.C.L. and LL.B.  
 Master of Manufacturing Management (see Management and Mechanical Engineering)

**Master's Degrees in Education**

Three types of master's degrees are offered: M.A. (Thesis and Non-Thesis), M.Ed. (Non-Thesis) and M.Sc. (Thesis and Non-Thesis).

The M.A. may be taken in the following areas:

Counselling Psychology (Thesis and Non-Thesis); Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)  
 Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)  
 Educational Psychology (Thesis and Non-Thesis)  
 Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)  
 Kinesiology and Physical Education (Thesis and Non-Thesis)  
 Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)  
 Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

Educational Psychology

The M.Sc. may be taken in the following area:

Kinesiology and Physical Education (Thesis and Non-Thesis)

ees

## **Master's Degree in Engineering**

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

- Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
- Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

## **Master's Degrees in Law**

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

## **Master of Library and Information Studies Degree**

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

## **Master's Degrees in Music**

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

## **Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

## **Master's Degrees in Religious Studies**

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.

## **Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- BioresourceMmd98.62nt

Chemistry; option in Chemical Biology

Civil Engineering and Applied Mechanics

Communication Sciences and Disorders

Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering

Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery

Earth and Planetary Sciences; option in En

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

M.S.W. with B.C.L. and LL.B.

### **Master of Urban Planning Degree**

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

Options: Transportation Planning and Urban Design.

### **17.4.3 Doctoral Degrees**

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

**The following doctoral degrees are offered (see below for more information about sub-specializations):** **Prerequisites:**

Doctor of Civil Law (D.C.L.)

B.C.L. or LL.B. and usually LL.M. See Law.

Doctor of Music (D.Mus.)

M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.

An undergraduate degree relevant to the subject chosen for graduate work.

Electrical Engineering

English

Entomology; options in Environment, and Neotropical Environment

Epidemiology and Biostatistics

Food Science and Agricultural Chemistry

French; option in Gender and Women's Studies

Geograph



---

## 17.5 Program Requirements

### 17.5.1 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 **f**

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 “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 by Graduate and Postdoctoral Studies, 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 “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 marks reported to Graduate and Postdoctoral Studies **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 English and 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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

### **17.5.3 Ad Hoc Programs**

**In exceptional cases**, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer graduate programs, may be admitted to an *Ad Hoc* program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the



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/requirements/international-degree-equivalency](http://www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency) for information on mark/grade equivalencies and degree

### 17.6.5 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 dates for guaranteed consideration. 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 dates for guaranteed consideration**. 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.

### 17.6.6 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.

### 17.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are **never** permitted to pursue two **full-time** degree programs concurrently.

### 17.6.8 Admission to an Ad Personam Joint Program

*Ad Personam* joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the "first department". 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 by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfil the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

### 17.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an *Ad Hoc* program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an *Ad Hoc* program, it must receive a favourable report from a departmental committee constituted to examine the program in question.

Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

### 17.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. udieis imposed by the second d6 Tm(

### 17.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

---

## 17.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies  
(Fellowships and Awards Section)  
James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5  
Telephone: 514-398-3990  
Fax: 514-398-2626  
Email: [graduate.fellowships@mcgill.ca](mailto:graduate.fellowships@mcgill.ca)  
Website: [www.mcgill.ca/gps/students](http://www.mcgill.ca/gps/students) (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: <http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwhimpl/js/html/wwhelp.htm>

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The *Graduate Fellowships and Awards Calendar* lists all internal awards as well as numerous external awards.

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

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at [www.mels.gouv.qc.ca/ens-sup/ens-univ/droits\\_scolaire-A\\_pays-organisations.pdf](http://www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolaire-A_pays-organisations.pdf), are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: [www.mels.gouv.qc.ca/international/index\\_en.asp?page=pro.841 Tm\(x\\_en.n 468.901.841 Tm\(e=pr\)gExons](http://www.mels.gouv.qc.ca/international/index_en.asp?page=pro.841 Tm(x_en.n 468.901.841 Tm(e=pr)gExons)

## **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 are 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 eng

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 *General Information, Regulations and Research Guidelines* Calendar of Graduate and Postdoctoral Studies;
- to submit a complete file for registration to Graduate and Postdoctoral Studies;
- 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*

### 17.8.3 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*

### 17.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#)).

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 GPS. See procedure under [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#). 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/postdocs/becoming/leave](http://www.mcgill.ca/gps/postdocs/becoming/leave) under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.



## 17.8.5 Postdoctoral Research Trainees

### Eligibility

If your situation does not conform to the *Quebec Ministère de l'Éducation, du Loisir et du Sport* (MELS) 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 MELS 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;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- 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);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

---

## 17.9 Graduate Studies Guidelines and Policies

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



**Note:** The University Exam Regulations governed by the [section 2.16: University Student Assessment Policy](#) (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at [www.mcgill.ca/students/exams/regulations](http://www.mcgill.ca/students/exams/regulations). The revised Regulations will be published in the *University Regulations and Resources* section of the 2012-2013 *Programs, Courses and University Regulations* publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

### 17.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for

**1. Assignment of Advisers, Supervisors, and Committees**

- i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students

#### **4. Quality of Supervision and Teaching**

- i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.
- ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.
- iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.
- iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.
- v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes uni

## **17.9.4 Ph.D. Comprehensives Policy**

### **Preamble**

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 paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

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 and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

### **1. General P**



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

- a duly completed *Leave of Absence/Non-Resident Request Form* available from [www.mcgill.ca/gps/staff/registration](http://www.mcgill.ca/gps/staff/registration);
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

### **17.9.7 Failure Policy**

Please refer to *University Regulations and Resources > Graduate > Regulations > [section 2.14: Failure Policy](#)* for information regarding the policy and procedures to follow in cases of failure.

### **17.9.8 Guideline on Hours of Work**

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

---

### **17.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur

### 17.10.8 Safety in Field Work

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

### 17.10.9 Office of Sponsored Research

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

### 17.10.10 Postdocs

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

### 17.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. ([www.mcgill.ca/apo/classifications/other/research-associate](http://www.mcgill.ca/apo/classifications/other/research-associate))

---

## 17.11 Desautels Faculty of Management

### 17.11.1 Location

Samuel Bronfman Building  
1001 Sherbrooke Street West  
Montreal, QC H3A 1G5  
Canada

Telephone: 514-398-4066

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

### 17.11.2 About Desautels Faculty of Management

McGill University offers a variety of programs, which provide graduate-level education in management. All programs have been tailored to meet the special needs and demands of different groups of people. Before embarking on a graduate management education, students should, therefore, be aware of the different and unique features of each program, and select the one which best suits their aspirations and abilities.

#### Graduate Programs in Management

##### M.B.A. Programs

Master of Business Administration (M.B.A.)

##### Concentrations

*section 17.12.4: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Finance (51 credits)*

*section 17.12.5: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Global Strategy and Leadership (51 credits)*

*section 17.12.6: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Marketing (51 credits)*

*section 17.12.7: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Technology and Innovation Management (51 credits)*

*section 17.12.8.1: Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) (138 credits)*

*section 17.12.9.1: M.D./M.B.A.; Management (Non-Thesis) (45 credits)*

*section 17.12.10.1: Master of Business Administration (M.B.A.); M.B.A./Japan (Non-Thesis) (51 credits)*

*section 17.12.11.1: Executive Master of Business Administration (E.M.B.A.); Joint Executive M.B.A. (Non-Thesis) (45 credits)*

##### Master of Management Programs

*section 17.13.1: Master of Management (M.M.M.); Manufacturing Management (Non-Thesis) (57 credits)*

*section 17.13.2: Master of Management (M.M.); IMPM (Non-Thesis) (45 credits)*

*section 17.13.3: Master of Management (M.M.); IMPMHL (Non-Thesis) (45 credits)*



## Ph.D. Program

*section 17.14.1: Doctor of Philosophy (Ph.D.); Management*

## Diploma Program and Postgraduate Certificate

*section 17.15.1: Graduate Certificate: Post-M.B.A. (15 credits)*

*section 17.16.1: Diploma in Public Accountancy (Chartered Accountancy) (30 credits)*

---

## 17.12 M.B.A. Program

### About the Master of Business Administration (M.B.A.)

Students studying on a full-time basis must complete this 51-credit program in two years; part-time students have a five-year time limit.

The first semester of the program features an integrated set of core courses with an emphasis on experiential learning. The remaining three semesters allow the student to specialize in a particular concentration and participate in an international exchange or complete an internship or a practicum, supervised by faculty.

While the standard components of an M.B.A. curriculum (finance, organizational behaviour, strategy, marketing, operations) remain central to this M.B.A. program, they are combined in ways that expose students to the cross-functional realities of managing in, across, and among organizations.

### Master of Business Administration (M.B.A.); Management (Non-Thesis) (51 credits)

*section 17.12.4: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Finance (51 credits)*

*section 17.12.5: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Global Strategy and Leadership (51 credits)*

*section 17.12.6: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Marketing (51 credits)*

*section 17.12.7: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Technology and Innovation Management (51 credits)*

### Admission Requirements

Applicants with strong indications of managerial potential are desired. Given below are the minimum entrance criteria. Owing to the large number of applicants to the McGill M.B.A., merely meeting the minimum requirements will not guarantee acceptance.

1. An undergraduate degree from an accredited college or university.
2. A Graduate Management Admission Test (GMAT) is required for all applicants. The GMAT is administered by Pearson Vue. The GMAT program code for the McGill M.B.A. program is 58 H-MN-22. Only a GMA



**Certificate of Acceptance from Quebec (C.A.Q.):** The process to come to Canada begins with an application for a Certificate of Acceptance from Quebec (C.A.Q.). Details on how and where to apply for the C.A.Q. are provided with the McGill Admissions package.

**Study Permit:** Issued by Canada Immigration through a Canadian Embassy or Consulate.

A citizen of the United States, Greenland and/or St. Pierre-Miquelon is permitted to obtain the Student Authorization at a Port of Entry, if in possession of the C.A.Q.

For further information, or if there is an emergency, contact International Student Services by telephone at 514-398-4349 during regular office hours, 09:00 to 17:00, or by email at [international.students@mcgill.ca](mailto:international.students@mcgill.ca).

## 17.12.2 Policies and Regulations of the M.B.A.

*The following is a brief overview of the rules and regulations of the M.B.A. program. All attending students will be given an academic handbook from the M.B.A. office. Students are responsible for reading and abiding by these rules and regulations.*

The McGill M.B.A. (full-time) is designed as a two-year program. The academic year begins in September and ends in April. Students admitted to the Accelerated Study Option may complete the program in a shorter period of time.

### Withdrawal from the M.B.A. Program

Students wishing to withdraw from the McGill M.B.A. program must complete a "Withdrawal Form" available from the M.B.A. office. Students will not be considered as officially withdrawn until this form is completed. Students who drop out of the program but do not complete this form will be billed for the full tuition. Refer to the *Graduate and Postdoctoral Studies General Information, Regulations and Research Guidelines* available at [www.mcgill.ca/study](http://www.mcgill.ca/study) for further information. The form is available at [www.mcgill.ca/gps/students/registration/](http://www.mcgill.ca/gps/students/registration/) (see "Forms & policies").

### Grading and Promotion Standards

The pass mark for each course is B- (65%).

### Failures

Students are permitted one failure in the M.B.A. program. Any subsequent failure, including an unsuccessful supplemental examination, will result in the student being asked to withdraw from the M.B.A. program.

### Outside Elective Courses

An outside elective is any course which is not part of the M.B.A. program. This includes courses in other faculties within McGill University or outside McGill University.

Students wishing to take an elective offered in another department at McGill must first obtain approval from the Program Director. Once approval is obtained, students must obtain permission from the department offering the course before registering for the elective with their Faculty.

There are limitations to the number of courses an M.B.A. student can take outside the Desautels Faculty of Management during the M.B.A. program:

1. Students completing a 51-credit program may take 15 credits maximum outside the Desautels Faculty of Management. This does not include courses offered by other faculties at McGill.
2. Students may not take courses outside the Faculty if they are offered within the Faculty unless there are exceptional circumstances.
3. Students may not take language courses as credit toward the M.B.A.

### M.B.A. Part-time Studies

Students will follow a lockstep program, which will allow for completion of the core courses during the first year of study. Students must then take a number of cross-disciplinary courses and an experiential component to complete the de

The following schools may exchange students with McGill in 2011-2012:

- Asian Institute of Management, Philippines
- Copenhagen Business School, Denmark
- Erasmus University, The Netherlands
- ESADE (Escuela Superior de Administracion y Direccion de Empresas), Spain
- Fudan University, China
- Fundacao Getulio Vargas, Brazil
- HEC (Hautes Études Commerciales), France
- Indian Institute of Management Ahmedabad, India
- Indian Institute of Management Bangalore, India
- Instituto de Estudios Superiores de Administracion (IESA), Venezuela
- ITESM, Mexico
- Luigi Bocconi, Italy
- Manchester Business School, England
- National University of Singapore, Singapore
- Norwegian School of Economics, Norway
- NYU Stern School of Business, U.S.A.
- Stockholm School of Economics, Sweden
- Tel Aviv University, Israel
- Tsinghua University, China
- University of Cologne, Germany
- Universidad Torcuato di Tella, Argentina
- University of Economics, Prague, Czech Republic
- University of Louvain, Belgium
- University of Melbourne, Australia
- University of South Carolina, U.S.A.
- University of St. Gallen, Switzerland
- University of Texas at Austin, U.S.A.
- University of Witwatersrand, South Africa
- Vienna University of Business and Economics, Austria

Non-PIM member:

- Solvay Business School, Brussels, Belgium

#### 17.12.4 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Finance (51 credits)

The Finance Concentration focuses on how firms raise capital and on the optimal allocation of capital for investments. This concentration prepares students for careers in corporate treasury functions, asset management, and investment banking.

##### Required Core Courses (15 credits)

All M.B.A. students must complete the following core courses:

MGCR 629	(1)	Global Leadership
MGCR 650	(2)	Business Tools
MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGCR 653	(4)	Markets and Globalization

##### Required Concentration Courses (6 credits)

Students choosing the Finance concentration must complete these required courses:

FINE 622	(3)	Modern Corporate Finance
FINE 646	(3)	Investments and Portfolio Management

##### Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

ACCT 618	(3)	Financial Reporting: Structure & Analysis
FINE 541	(3)	Applied Investments
FINE 620	(3)	Corporate Mergers
FINE 630	(3)	Fixed Income Markets
FINE 635	(3)	Financial Risk Management
FINE 639	(3)	Derivatives and Risk Management
FINE 645	(3)	Money and Capital Markets
FINE 648	(3)	Applied Corporate Finance
FINE 660	(3)	Global Investment Management
FINE 665	(3)	Investment Strategies and Behavioural Finance
FINE 690	(3)	Advanced Topics in Finance 1
FINE 693	(3)	Global Capital Markets
FINE 694	(3)	International Corporate Finance

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:\*

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

\* Note: Students electing to participate in an International Exchange (12 credits of complementary courses) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 51-credit requirement.

### **17.12.5 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Global Strategy and Leadership (51 credits)**

The Global Strategy and Leadership Concentration prepares students for the challenges posed by a globalizing marketplace. The approach is cross-disciplinary and includes courses in strategy, organizational behaviour, and international business. Students will consider questions such as: What issues will the leaders of tomorrow face and how can they best tackle them? How to take a firm international? HoMaster oh as:

9 credits selected from the following courses toward the concentration:

Launching New

INSY 645	(3)	Managing Electronic Commerce
MRKT 645	(3)	Winning at Brands
MRKT 652	(3)	Marketing Management 2
MRKT 654	(3)	Marketing Communications
MRKT 655	(3)	Marketing Planning
MRKT 659	(3)	Advanced Business Marketing
MRKT 690	(3)	Advanced Topics in Marketing 1
MRKT 698	(3)	International Marketing Management

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:\*

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

\* Note: Students electing to participate in an International Exchange (12 credits of complementary courses) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 51-credit requirement.

### **17.12.7 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Technology and Innovation Management (51 credits)**

As technology reshapes the globe and innovations transform markets and organizations, the 21st century manager will be deeply immersed in Technology and Innovation Management. As Information Technology is now present in more products and processes, managers need to understand the processes surrounding its strategic use and development. As manufacturing and service operations now stretch the globe, issues of logistics and supply chain integration become more important. As innovative products increasingly create and transform markets, managers must master the technology development process. This concentration provides tools, frameworks, and integration of all aspects of organizational operations, supply chain, IT processes and innovation management. Students following this concentration will be uniquely qualified to take jobs in new product development, IT strategy, operations and supply chain management, and technology consulting. A unique aspect of the concentration is the capstone project course where students work on solving a real-life technology innovation problem.

#### **Required Core Courses (15 credits)**

All M.B.A. students must complete the following core courses:

MGCR 629	(1)	Global Leadership
MGCR 650	(2)	Business Tools
MGCR 651ation	(4)	Managing Resources

INSY 609	(3)	Technology Project Management
INSY 633	(3)	Knowledge Management and Technology for Innovation
INSY 645	(3)	Managing Electronic Commerce
MGPO 650	(3)	Managing Innovation
MGSC 602	(3)	Strategic Management of Operations
MGSC 603	(3)	Logistics Management
MGSC 605	(3)	Total Quality Management
MGSC 615	(3)	Procurement and Distribution
MGSC 631	(3)	Analysis: Production Operations
ORGB 625	(3)	Managing Organizational Change

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:\*

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

\* Note: Students electing to participate in an International Exchange (12 credits of complementary courses) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 51-credit requirement.

### 17.12.8 Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) Admission Requirements and Application Procedures

**About the Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)**

*section 17.12.8.1: Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) (138 credits)*

The Joint Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) and Bachelor of Laws (LL.B.) program is offered by the Desautels Faculty of Management and the Faculty of Law. This joint program provides students the opportunity to pursue legal and administrative aspects of business. Successful candidates graduate with M.B.A., B.C.L., and LL.B. degrees, a trio that prepares them for careers in private and public enterprise, as well as government service.

#### Admission Requirements

For admission requirements, please refer to the Faculty of Law Admissions site at [www.mcgill.ca/law-admissions](http://www.mcgill.ca/law-admissions).

Students wishing information on the Law program should contact:

Faculty of Law, Admissions Office  
3544 Peel Street  
Montreal, QC H3A 1W9  
Canada  
Telephone: 514-398-6666

#### Application Procedures

##### DATES FOR GUARANTEED CONSIDERATION

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

#### 17.12.8.1 Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) (138 credits)

Students complete 45 credits for the M.B.A. degree and 93 credits for the integrated B.C.L. and LL.B. degrees for a total of 138 credits.

#### Required - Management (18 credits)





**Complementary - Law, Civil Law (4.5 credits)**

PUB2 500	(3)	Law and Psychiatry
PUB2 502	(3)	International Criminal Law
PUB2 551	(3)	Immigration and Refugee Law
PUB3 515	(3)	Canadian Charter of Rights and Freedoms

MGCR 653

(4)

Markets and Globalization

**Elective Courses (15 credits)**

Remaining courses chosen from 500- and 600-level courses offered by the Desautels Faculty of Management, and approved by M.D./M.B.A.

Note: Students may have to follow one or all components of the M.B.A. Base Camp (Statistics, Math for Finance, Financial Accounting) prior to commencement

HEC Montréal courses (12 credits)

MHEC 600	(4)	Création de valeur
MHEC 601	(4)	Excellence opérationnelle
MHEC 602	(4)	Outils et pratiques de gestion

---

## 17.13 Master of Management Programs Admission Requirements and Application Procedures

### About Master of Management Programs

#### *section 17.13.1: Master of Management (M.M.M.); Manufacturing Management (Non-Thesis) (57 credits)*

This is a 12-month academic program followed by a four-month industrial internship, offered in collaboration with the Faculty of Engineering. McGill University's Master of Manufacturing Management (M.M.M.) program attracts professionals from around the w

ACCT 624	(3)	Management Accounting: Planning & Control
INDR 603	(3)	Industrial Relations
ORGB 625	(3)	Managing Organizational Change
ORGB 632	(3)	Managing Teams in Organizations
ORGB 633	(3)	Managerial Negotiations
ORGB 640	(3)	The Art of Leadership
ORGB 685	(3)	Cross Cultural Management

**Required Courses - Manufacturing and Supply Chain Operations (15 credits)**

MECH 524	(3)	Computer Integrated Manufacturing
MGSC 602	(3)	Strategic Management of Operations
MGSC 603	(3)	Logistics Management
MGSC 605	(3)	Total Quality Management
MGSC 631	(3)	Analysis: Production Operations

**Complementary Courses - Manufacturing and Supply Chain Operations (13 credits)**

(12-13 credits)

6 credits from the following:

MECH 526	(3)	Manufacturing and the Environment
MGSC 575	(3)	Applied Time Series Analysis Managerial Forecasting
MGSC 601	(3)	Management of Technology in Manufacturing
MGSC 615	(3)	Procurement and Distribution

6-7 credits from the following:

0 or 6 credits from:

Discrete Manufacturing Option

MECH 528	(3)	Product Design
MECH 529	(3)	Discrete Manufacturing Systems

0-7 credits from:

Process Manufacturing Option

CHEE 571	(3)	Small Computer Applications: Chemical Engineering
CHEE 641	(4)	Chemical Reaction Engineering

**Required Courses - Industry (12 credits)**

MECH 627	(9)	Manufacturing Industrial Stage
MECH 628	(2)	Manufacturing Case Studies
MECH 629	(1)	Manufacturing Industrial Seminar

**17.13.2 Master of Management (M.M.); IMPM (Non-Thesis) (45 credits)**

**Research Project (12 credits)**

BUSA 689 (12) Integrative Project

**Required Courses (33 credits)**

BUSA 666 (5) The Practice of Management

BUSA 668 (5) The Venture

BUSA 670 (5) Managing Organizations

BUSA 672 (3) **Management 3540:465A 67eB**

BUSA 675 (5) **Management 3380:765A 67eB**

BUSA 680 (5) **Management 3623:065A 67eB**

BUSA 685 (5) **Management 3607:286A 68eB**

**17.13.3 Master of Management (M.M.); IMPMHL (Non-Thesis) (45 credits)**

**Research Project (12 credits)**

BUSA 689 (12) Integrative Project

The program consists of three phases: preparation, specialization, and dissertation.

Phase I – Preparation

Before entering the program, the student will have selected the area of specialization from the follo



prepared to accept them. The Ph.D. degree will be granted by the university that admits the student. The program requires a minimum full-time residency of six terms.

### **Application Procedures**

Applications will be considered upon the receipt of all of the following:

1. online application form;
2. two copies of official transcripts of all undergraduate and graduate degrees **FORWARDED DIRECTLY BY ORIGINATING UNIVERSITIES**. For international applicants, the academic records must include: transcripts in the original language with official translations (in English) listing courses and grades for each year of study, verifying conferral of degree. These documents must bear the actual signature of the registrar and the official seal or stamp of the institution. Please check the International Degree Equivalency website for additional information regarding your particular country: [www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency](http://www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency)
3. at least two letters of reference from individuals who can assess research potential;
4. test results: TOEFL (where applicable) written within the last two years, and GMAT (or GRE-General Test) written within the last five





4. completion of an articling period with a firm of Chartered Accountants which is registered with the Ordre (minimum of two years); this can be done while registered in the C.A. program;
5. a working knowledge of French;
6. Canadian citizenship or Permanent Resident status.

Further information can be obtained from:

Ordre des comptables agréés du Québec  
 680 Sherbrooke Street West, 18th floor  
 Montreal, QC H3A 2S3  
 Canada  
 Telephone: 514-288-3256  
 Email: [info@ocq.qc.ca](mailto:info@ocq.qc.ca)

### 17.16.1 Diploma in Public Accountancy (Chartered Accountancy) (30 credits)

The program requires completion of nine courses (six 3-credit courses and three 4-credit courses). It is composed of the courses, which cover the theoretical and technical knowledge for entry-level Chartered Accountancy practitioners, and the Uniform Final Examination (C.A. exam).

#### Required Courses (30 credits)

##### Summer Year 1 (May - July 15)

ACCT 651D1	(1.5)	Performance Measurement and Reporting
ACCT 657D1	(2)	Governance and Control
ACCT 659D1	(1.5)	Business Analysis & Communications governance and Control

##### Fall Year 1

Performance Measurement and Reporting (1.5) (MaMa)

## Summer Year 2

ACCT 689	(4)	Business Advisory Services - Cases
ACCT 699	(0)	Uniform Final Exam Prep Seminar

\* Note: Students in this course will work from October to April in an accredited chartered accounting firm with set deliverables of a journal and the authoring of a case.

\*\* Note: Students in this course will be provided with a simulated work experience via a series of case-based studies in the field of accounting and auditing or via an independent study.

---

## 17.17 Desautels Faculty of Management Faculty

### Dean

Peter A. Todd

### Associate Deans

Morty Yalovsky – *Academic*

Tamer Boyaci – *Master's Programs*

Shanling Li – *Research & International Relations*

Emine Sarigollu – *Student Affairs*

### Directors

Saibal Ray – *Director, Ph.D. Program*

Henry Mintzberg – *Program Chair, International Master's Program in Practising Management (I.M.P.M.)*

Saibal Ray – *Program Co-Director, Master of Management (Manufacturing)*

Julia Scott – *Director, C.A. Program*

Donald Melville – *Director, Master's Programs*

## Professors

M.D. Lee; B.A.(Eckerd), M.Ed.(T

## Assistant Professors

M. Bouvard; Ph.D.(Toulouse) – *Finance*

S. Cha; B.A., M.A., Ph.D.(Harv.) – *Organizational Behaviour*

**Faculty Lecturers**

P. McCully – *Strategy*

J. Scott; B.A.(W. Ont.), M.B.A.(York) – *Accounting*

B. Smith; B.A., M.A.(Dublin), M.Sc.(Alta.), M.Sc.(A.)(McG.), Ph.D.(Qu.) – *Operations Management*

C. Westgate; B.A., M.B.A.(McM.) – *General-Industrial Relations*

G. Zabowski; B.Com., M.B.A.(McG.) – *Operations Management*

**18 Faculty of Education****18.1 Dean's Welcome**

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill 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 central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. 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*

**18.2 Graduate and Postdoctoral Studies****18.2.1 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 Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)

**Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)**

Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.

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

Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)

**Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)**

Shari Baum; B.A.(C'neil), M.Sc.(Vermont), Ph.D.(Brown)

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

Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)

**Director (Graduate and Postdoctoral Affairs)**

Lissa B. Matyas; B.F.A., M.Sc.(C'dia)

**Director (Recruitment and Retention)**



## 18.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5

Telephone: 514-398-3990

Fax: 514-398-1626

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

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



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

## 18.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates



## Medicine

*section 22.11.1: Anatomy and Cell Biology*

*section 22.11.2: Biochemistry*

*section 22.11.3: Bioethics*

*section 22.11.4: Biomedical Engineering*

*section 22.11.5: Communication Sciences and Disorders*

*section 22.11.6: Epidemiology and Biostatistics*

Experimental Medicine, see *section 22.11.10: Medicine, Experimental*

*section 22.11.8: Human Genetics*

*section 22.11.9: Medical Physics*

*section 22.11.11: Microbiology and Immunology*

*section 22.11.12: Neuroscience (Integrated Program in)*

*section 23.11.1: Nursing*

*section 22.11.13: Occupational Health*

*section 22.11.14: Otolaryngology – Head and Neck Surgery*

*section 22.11.15: Pathology*

*section 22.11.16: Pharmacology and Therapeutics*

*section 24.11.1: Physical and Occupational Therapy*

*section 22.11.17: Physiology*

*section 22.11.18: Psychiatry*

*section 22.11.19: Surgical Research*

## Religious Studies

*section 25.11.1: Religious Studies*

## Schulich School of Music

*section 26.11.1: Schulich School of Music*

## Science

*section 27.11.1: Atmospheric and Oceanic Sciences*

*section 27.11.2: Biology*

*section 27.11.3: Chemistry*

*section 27.11.4: Computer Science*

*section 27.11.5: Earth and Planetary Sciences*

*section 15.11.9: Geography*

*section 15.11.18: Mathematics and Statistics*

*section 27.11.8: Physics*

*section 15.11.21: Psychology*

### 18.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certifi

**Graduate Diplomas are offered in:**

Clinical Research (Experimental Medicine)

Epidemiology and Biostatistics

Islamic Studies

Library and Information Studies

Mining Engineering

Nursing

Primary Care Nurse Practitioner

Professional Performance

Public Accountancy (C.A.)

Registered Dietician Credentialing (R.D.)

School and Applied Child Psychology (post-Ph.D.)

Surgical Health Care Research

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

**The following master's degrees are offered (see below for more information about sub-specializations):****Prerequisites:**

Master of Science, Applied (PT) (M.Sc.A. (PT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Social Work (M.S.W.)	Bachelor's degree in Social Work including courses in statistics and social science research methods. See Social Work.
Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See School of Social Work.
Master of Urban Planning (M.U.P.)	Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.

**Master of Architecture Degrees**

M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
- French (Thesis and Non-Thesis); option in Gender and Women's Studies
- Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
- German Studies (Thesis and Non-Thesis)
- Hispanic Studies (Thesis and Non-Thesis)
- History (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Thesis and Non-Thesis), History of Medicine (Non-Thesis)
- Islamic Studies; option in Gender and Women's Studies
- Italian Studies (Thesis and Non-Thesis)
- Jewish Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Linguistics (Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis)
- Music (Thesis and Non-Thesis)
- Philosophy; option in Bioethics
- Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
- Psychology
- Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
- Russian
- Sociology (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), Environment, Gender and Women's Studies (Thesis and Non-Thesis), Medical Sociology (Thesis and Non-Thesis), Social Statistics (Non-Thesis), Neotropical Environment

**Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

M.B.A. with M.D.,C.M.

M.B.A. with B.C.L. and LL.B.

Master of Manufacturing Management (see Management and Mechanical Engineering)

**Master's Degrees in Education**

Three types of master's degrees are offered: M.A. (Thesis and Non-Thesis), M.Ed. (Non-Thesis) and M.Sc. (Thesis and Non-Thesis).

The M.A. may be taken in the following areas:

Counselling Psychology (Thesis and Non-Thesis); Counselling Psychology – Professional/Interamuhip(Non-Thesis) ,Counselling Psychology –

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

#### **Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

#### **Master's Degrees in Religious Studies**

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.

#### **Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
- Medical Radiation Physics
- Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
- Microbiology and Immunology
- Microbiology (Macdonald Campus); option in Environment
- Mining and Materials Engineering
- Neuroscience
- Nursing
- Otolaryngology
- Parasitology; options in Bioinformatics, and Environment
- Pathology
- Pharmacology and Therapeutics; option in Chemical Biology
- Physics
- Physiology; option in Bioinformatics
- Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
- Psychiatry
- Psychology
- Rehabilitation Sciences (Thesis and Non-Thesis)
- Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
- Surgery, Experimental

**Master of Science, Applied, Degrees**

This degree was designed to pro



Anatomy and Cell Biology  
Animal Science; option in Bioinformatics  
Anthropology; option in Neotropical Environment  
Architecture  
Art History; option in Gender and Women's Studies  
Atmospheric and Oceanic Sciences  
Biochemistry; options in Bioinformatics, and Chemical Biology  
Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment  
Biomedical Engineering; option in Bioinformatics  
Bioresource Engineering; options in Environment, and Neotropical Environment  
Chemical Engineering  
Chemistry; option in Chemical Biology  
Civil Engineering and Applied Mechanics  
Classics  
Communication Studies; option in Gender and Women's Studies  
Communication Sciences and Disorders; option in Language Acquisition  
Computer Science; option in Bioinformatics  
Counselling Psychology  
Earth and Planetary Sciences; option in Environment  
Economics  
Educational Psychology  
Educational Studies; option in Gender and Women's Studies  
Electrical Engineering  
English  
Entomology; options in Environment, and Neotropical Environment  
Epidemiology and Biostatistics  
Food Science and Agricultural Chemistry  
French; option in Gender and Women's Studies  
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment  
German  
Hispanic Studies  
History  
Human Genetics; option in Bioinformatics  
Human Nutrition  
Information Studies  
Islamic Studies; option in Gender and Women's Studies  
Linguistics; option in Language Acquisition  
Management  
Mathematics and Statistics; option in Bioinformatics  
Mechanical Engineering  
Medicine, Experimental; option in Environment  
Mironment

Russian

School/Applied Child Psychology

Social Work

Sociology; options in Environment, and Gender and W

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

### **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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

### **18.5.3 Ad Hoc Programs**

*In exceptional cases*, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer graduate programs, may be admitted to an *Ad Hoc* program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document "Procedures for Admission in *Ad Hoc* Master's and Doctoral Programs", available from GPS.

### **18.5.4 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 *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer its own graduate programs, may be admitted to an *Ad Personam* program.

It is recommended that applicants submit a list of the titles of courses taken 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.

Completed applications, with supporting documents, must reach departmental offi

### Competency in English

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.

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 mark 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. 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*

#### 18.6.5 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 dates for guaranteed consideration. 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 dates for guaranteed consideration**. 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.

#### 18.6.6 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.

#### 18.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are **never** permitted to pursue two **full-time** degree programs concurrently.

#### Admission to an Ad Personam Joint Program

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

#### 18.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.

*Revised – Council of February 9, 2004.*

#### 18.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

---

### 18.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies  
(Fellowships and Awards Section)  
James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5  
Telephone: 514-398-3990  
Fax: 514-398-2626  
Email: [graduate.fellowships@mcgill.ca](mailto:graduate.fellowships@mcgill.ca)  
Website: [www.mcgill.ca/gps/students](http://www.mcgill.ca/gps/students) (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: <http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwhimpl/js/html/wwhelp.htm>

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The *Graduate Fellowships and Awards Calendar* lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most in2 Tm(a231.58 256.i3 343-473784 2

---

## **18.8 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.

### **18.8.1 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 Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer



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



---

**18.9 Graduate Studies Guidelines and Policies**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The  
*Gener*

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

### 3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

### 4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

*Revised by Council of FGSR, April 23, 1999 and October 6, 2003*

## 18.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended [section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision](#) in bold print. Documents to record progress can be found on the GPS website: [www.mcgill.ca/gps/staff/forms](http://www.mcgill.ca/gps/staff/forms).

The following is a summary of the main elements of the new **mandatory** policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees
2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.
3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.
4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the ne



The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

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

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

**Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the

Charter of Student Rights  
Graduate Studies Reread Policy  
Office for Students with Disabilities

*Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997*

### **18.9.5 Graduate Studies Reread Policy**

**This policy applies only in the case of marks given for written work in 600- and 700-level courses.** For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

#### **Consultation**

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question hav

*Prepared by the Committee on Graduate Programs, Supervision and Teaching*

*Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995*

#### **18.9.6 Health and Parental/Familial Leave of Absence Policy**

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's "Parental Leave Policy" for non-academic staff) reasons or for health reasons.

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 must make a request for such a leave



### **18.10.2 Regulations on Research Policy**

Please refer to the Regulations on Research Policy available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

### **18.10.3 Policy on Research Integrity**

Please refer to the Policy on Research Integrity available at: [www.mcgill.ca/research/about/integrity](http://www.mcgill.ca/research/about/integrity).

### **18.10.4 Guidelines for Research Involving Human Subjects**

Please refer to the guidelines for research involving human subjects available at: [www.mcgill.ca/research/researchers/compliance/human](http://www.mcgill.ca/research/researchers/compliance/human).

### **18.10.5 Guidelines for Research with Animal Subjects**

Please refer to the guidelines for research involving animal subjects available at: [www.mcgill.ca/research/researchers/compliance/animal](http://www.mcgill.ca/research/researchers/compliance/animal).

### **18.10.6 Policy on Intellectual Property**

Please refer to the Policy on Intellectual Property av

### 18.11.1.2 About Educational and Counselling Psychology

The Department of Educational and Counselling Psychology (ECP) programs and research examine the interplay between complex human systems (cognitive, social, emotional, behavioural, and biological) to maximize: (a) learning, (b) wellness (mental and physical), and (c) human development in multiple settings and throughout the lifespan. More specifically, with both typical and atypical populations in mind, they examine issues pertaining to assessment and intervention, cognitive processes and developmental neuroscience, and the design and evaluation of learning environments and instructional practices. While ECP's primary disciplinary bases are psychology and education, it contributes to and is enriched by extended interdisciplinary collaborations with, among others, medicine and other health professions, neurosciences, computer science, science, social work and policy, and law.

Students in our programs benefit from having access to the McGill Psychoeducational and Counselling Clinic and the Departmental Assessment Library. To develop their professional skills in assessment, therapy, and supervision, students are equipped with the latest standardized materials and a state-of-the-art venue within which to conduct psychological and cognitive assessments. Our professional programs also have established connections with world-class public and private organizations, which include health care facilities and school boards where students receive supervised training for internships and practica. Our faculty members are involved in intra- and interdisciplinary collaborative research locally, nationally, and internationally. These networks offer students valuable exposure to, and connection with, different research laboratories, research leaders, and professional organizations. Students benefit from international mobility programs and specialized training offered in specific locations. Working closely with faculty members in their research teams, our students enrolled in research-based M.A. and Ph.D. programs have proven very successful in obtaining major external fellowships from bodies such as SSHRC, FQRSC, FRSQ, and CIHR.

Our graduates secure careers in a varied and rewarding range of settings. These include, but are not limited to, academic and research settings, professional psychology (counselling and school psychology), specialized and innovative teaching, educational research, development and leadership at all levels (e.g., schools, colleges and universities, school boards, ministries of education), staff development, and education in the professions.

#### Master of Arts (M.A.) Degrees

Students can obtain an M.A. degree in:

1. Counselling Psychology (Non-Thesis) with major concentrations in:
  - Project (coursework and research based)
  - Professional/Internship (coursework and internship based)
2. Educational Psychology with streams in:
  - Health Professions Education
  - Human Development
  - Learning Sciences
  - School/Applied Child Psychology

#### Master of Education (M.Ed.) Degrees

Students can obtain an M.Ed. degree in Educational Psychology. Please note these are all non-thesis options. The M.Ed. program in Educational Psychology offers streams in:

- Family Life Education (admissions to Family Life Education Stream are currently suspended)
- General Educational Psychology
- Inclusive Education
- Learning Sciences

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

Students can obtain a Ph.D. degree in:

1. Counselling Psychology
2. Educational Psychology with specialization in:
  - Human Development
  - Learning Sciences
3. School/Applied Child Psychology

#### Postdoctoral Degrees

The Department of Educational and Counselling Psychology offers one postdoctoral diploma:

- Post-Ph.D. Graduate Diploma in School/Applied Child Psychology

For information about these graduate programs please view our website at [www.mcgill.ca/edu-ecp/prospective/graduate](http://www.mcgill.ca/edu-ecp/prospective/graduate) or please contact the appropriate Program Coordinator/Adviser:

**For Educational Psychology programs (excluding School/Applied Child Psychology) contact:**

Graduate Program Coordinator  
Mrs. Geri Norton  
Telephone: 514-398-4244  
Email: [edpsych.education@mcgill.ca](mailto:edpsych.education@mcgill.ca)

**For Counselling Psychology and School/Applied Child Psychology contact:**

Graduate Program Adviser  
Mr. Alexander Nowak  
Telephone: 514-398-4245  
Email: [counsellingspsych.education@mcgill.ca](mailto:counsellingspsych.education@mcgill.ca) or [schoolpsych.education@mcgill.ca](mailto:schoolpsych.education@mcgill.ca).

**Professional Accreditation**

The Ph.D. in School/Applied Child Psychology is accredited by the American Psychological Association (AP

***section 18.11.1.7: Doctor of Philosophy (Ph.D.); Counselling Psychology***

Students pursuing a Ph.D. in Counselling Psychology take a combination of theoretical, practical, and research-based courses throughout the course of their degree. It draws upon a number of different sciences (including developmental, social, career and neuropsychology and personality theory) to develop critically-astute researchers and exceptionally-skilled clinicians. Building on the M.A. in Counselling Psychology: Project concentration (or equivalent), the program offers opportunities in Practicum, Supervision, and full-year Internships to develop clinical skills while also working towards the completion of a Doctoral dissertation (thesis). The Ph.D. program has the following aims:

1. To contribute to the advancement of knowledge in the field of counselling psychology.
2. To practise from a strong evidence base.
3. To take a leadership role in community, professional, and university organizations in counselling psychology.

Graduates of the program will be prepared to assume careers in education and community settings, including faculty positions, counselling and psychological positions on the staff of university and college mental health centres, and professional positions in psychological agencies offering preventative mental health services. The program is currently accredited by the Canadian Psychological Association (CPA), the Quebec Order of Psychologists (OPQ) and American Psychological Association (APA) (please note that APA accreditation will cease for all Canadian institutions in 2015). Graduates are eligible for licensure in Quebec.

**Graduate Degrees in School/Applied Psychology**

***section 18.11.1.8: Doctor of Philosophy (Ph.D.); School of Applied Child Psychology***

The Ph.D. in School/Applied Child Psychology is the second degree in a combined M.A. and Ph.D. program with the M.A. (Thesis) in Educational Psychology's School/Applied Child Psychology Stream. Most students in the Doctoral program completed their M.A. in the Educational Psychology program although students can apply for direct entry into the Ph.D. program with a Master's degree obtained at another institution. At both the M.A. and Ph.D. levels, students take a combination of theoretical, practical, and research-based courses throughout the course of their de

*section 18.11.1.10: Master of Education (M.Ed.); Educational Psychology (Non-Thesis) (48 credits)*

The program offers the following streams of study:

- a. Learning Sciences:** Focuses on the study of learning as it occurs in real-world situations and ways in which learning may be facilitated in designed environments.
- b. Family Life:** Admission to this stream is currently suspended.
- c. Inclusive Education:** Trains students who wish to work with diverse individuals in a variety of settings that emphasize inclusive practice. This program is most directly relevant to current teachers, consultants, and other professionals working in the education system.
- d. General Educational Psychology:** Permits students to create a course program that meets their individual needs, which may draw courses from Inclusive Education, Learning Sciences, Family Life, or any other general departmental course. This program suits students seeking a "general" educational psychology training.

The M.Ed. program has been developed for students who have background in education (B.Ed.), psychology or another related degree. Students have the option of conducting academic or applied research (via up to 12 credits of Special Acti

***section 18.11.1.11: Master of Arts (M.A.); Educational Psychology (Thesis) (48 credits) (Note that the School/Applied Child Psychology Stream is 78 credits)***

The program's focus is on the improvement of the educational and psychological well being of children and educates school psychologists in a manner consistent with the highest international standards in the field. Students explore a variety of topics including mental health, child development, school organization, learning processes, behaviour, motivation, and effective teaching, and are prepared to become inquiring professionals committed to the development of children and youth. Therefore, students receive intensive training of clinical practice with children and f

**Concentration: Project**

To be eligible, applicants must hold a baccalaureate degree in psychology consisting of 42 credits of core courses in specific domains (see list in the Pre-Admission Academic Checklist in our application package), with a minimum GPA of 3.2 out of 4.0 in their final two years of full-time study.

**Application Procedures**

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Counselling Psychology: Project and Professional/Internship concentrations, can be found online in the following section of the Departmental website:

[www.mcgill.ca/edu-ecp/pr](http://www.mcgill.ca/edu-ecp/pr)

### **Admission Requirements for the Learning Sciences Stream**

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology. It is recommended that some prior study of a relevant branch of psychology form part of the undergraduate training.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies.

### **Application Procedures**

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Educational Psychology: Learning Sciences Stream can be found online in the following section of the Departmental website: [www.mcgill.ca/edu-ecp/prospective/graduate/learningsciences/ma/#mapackage](http://www.mcgill.ca/edu-ecp/prospective/graduate/learningsciences/ma/#mapackage).

### **Admission Requirements for the Health Professions Stream**

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology. It is recommended that some prior study of a relevant branch of psychology form part of the undergraduate training.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies.

The Health Professions program has been conceived and is offered in collaboration with the McGill Centre for Medical Education and affiliated faculty. Student selection is done jointly as is graduate supervision.

### **Application Procedures**

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Educational Psychology: Health Professions Education Stream can be found online in the following section of the Departmental website: [www.mcgill.ca/edu-ecp/prospective/graduate/healthprofessions/ma/#mapackage](http://www.mcgill.ca/edu-ecp/prospective/graduate/healthprofessions/ma/#mapackage).

### **Admission Requirements for the Human Development Stream**

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies.

### **Application Procedures**

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Educational Psychology: Human Development Stream can be found online in the following section of the Departmental website: [www.mcgill.ca/edu-ecp/prospective/graduate/humandevlopment/ma/#mapackage](http://www.mcgill.ca/edu-ecp/prospective/graduate/humandevlopment/ma/#mapackage).

### **Admission Requirements for the School/Applied Child Psychology Stream**

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology, consisting of 42 credits of core courses in specific domains (see list in the Pre-Admission Academic Checklist in our application package).
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies.

### **Application Procedures**

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Educational Psychology: School/Applied Child Psychology StrF3 8.1 Tf1 0 0 1 67.52 503.46 Tm(Admission Requ8A 536.082 439.66 Tm(v)Tj1 0 0 1 5399503.46 Tm(Admissc4I14.96 0 1 rg0 0 1 RG/F2 8.1 Tf



The specific requirements to be admitted at each level are as follows:

**Ph.D. 2 Level**

Applicants should hold an M.A. in Educational Psychology from McGill or a recognized equivalent degree from a program which requires a thesis, reflecting high overall standing, study within the area of proposed doctoral specialization, and evidence of research competence.

**Ph.D. 1 Level**

1. Applicants should hold an M.Ed. in Educational Psychology or a master's degree in a related discipline (e.g., sociology, social work) lacking only the content in educational psychology that can be acquired within one year of full-time study. The applicant's academic record must reflect high overall standing and evidence of research competence.

OR

2. Applicants should hold a bachelor's degree in psychology, reflecting high academic standing in an honours or major program, and have completed an undergraduate thesis or the equivalent. (This option is rarely exercised.)

**Application Procedures**

Information on application procedures, deadlines, supporting documents, and contact information for the **Ph.D. in Educational Psychology: Human Development Stream** can be found online in the following section of the Departmental website:

**Professors**

Alenoush Saroyan; B.A.(Pahlavi), M.Ed.(Loy. U. Chic.), Ph.D.(McG.)

Cynthia B. Weston; B.A.(G'town), M.L.S.(SUNY), D.Ed.(Wash.) (*Director, Teaching and Learning Services*)

**Associate Professors**

Alain Breuleux; B.Sc., M.Sc., Ph.D.(Montr.)

Martin Drapeau; B.A.(Montr.), B.A.Ps.(UQTR), M.P.(Laval), Ph.D.(Montr.)

Marilyn Fitzpatrick; B.A.(Tor.), M.Ed., Ph.D.(McG.)

Michael L. Hoover; B.S.(Tulane), M.A., M.Phil., Ph.D.(Col.)

Evelyn Lusthaus; B.S., M.S., Ph.D.(SUNY, Buffalo) (*on leave*)

Robert Savage; B.A.(Oxf.), M.Sc.(Camb.), M.Sc., Ph.D.(Lond.) (*William Dawson Scholar*)

Ada L. Sinacore; B.A.(Montclair St.), M.A., M.Ed., Ph.D.(Col.)

Ingrid E. Sladeczek; B.A., M.S., Ph.D.(Ariz.), A.A.(Md.)

Lisa Spanierman; B.Sc.(Flor.), M.A., Ed.M.(Col.), Ph.D.(Missouri)

Ronald Stringer; B.Sc., M.A., Ph.D.(Tor.)

Victoria Talwar; M.A.(St. And.), M.A., Ph.D.(Qu.)

**Assistant Professors**

Armando Bertone; B.A., M.A.(C'dia), M.Ps., Ph.D.(Montr.)

Tara Flanagan; B.A.(Winn.), M.A., Ph.D.(McG.)

Nathan Hall; B.A., M.A., Ph.D.(Manit.)

Annett Körner; M.A., Ph.D.(Leipzig)

Krista Muis; B.A.(Wat.), M.A.(Vic., BC), Ph.D.(S. Fraser)

Jessica Ruglis; B.S.(Albany), M.A.T.(Union Coll.), M.P.H.(Hunter), Ph.D.(CUNY)

Steven R. Shaw; B.A., M.Ed., Ed.S., Ph.D.(Flor.)

Nathan Smith; M.Sc., Ph.D.(VCU)

**Faculty Lecturer**

Jack de Stefano; B.A.(Loyola), M.Ed., Ed.D.(McG.)

**Associate Members**

Reut Gruber; B.A., M.A., Ph.D.(Tel Aviv)

Daniel Levitin; B.A.(Stan.), M.Sc., Ph.D.(Ore.)

Mary H. Maguire; B.A., B.Ed., M.A.(Montr.), M.Ed., Cert. Reading(McG.), Ph.D.(Ariz.)

Laura Winer; B.A., M.A., Ph.D.(C'dia) (*Teaching and Learning Services*)

**Associate Professor (Non-Tenure Track)**

Renée Stevens; B.A.(Calif.-LA), M.A., Ph.D.(McG.) (*part-time*)

**Adjunct Professors**

Dermot Bowler, Karen Cohen-Gazith, Yves De Roten, Judith Gradinger, Calvin Kalman, Judith McBride, Katherine Moxness, Judith Norton, Rhoda Root, David Shore, Erica Shoshana Ross, Anastassios Stalikas, Helen-Maria Vasiliadis, Harold Wynne

**Research Associates**

Rina Gupta

Jazvinder Magon

### **Research Associates**

Diana Tabatabai

### **Part-time Instructors**

Gus Appignanesi, Shawna Atkins, Maureen Baron, Dianne Bateman, Andrew Patrick Bennett, Antonio Bernardelli, Camelia Birlean (*doctoral candidate*), Sam Bruzzese, Karen Cohen-Gazith, Scott Conrod, Dominic D'Abate, Debora D'Iuso, Nadia D'Iuso, Ozlem Erten, Lisa French, Susan Gamberg, Carlos Gomez-Garibello (*doctoral candidate*), Harriet Greenstone, Reut Gruber, David Hoida, Ahmed Ibrahim (*doctoral candidate*), Julie Irving (*doctoral candidate*),

EDPE 617 (3) Adolescent Development

**18.11.1.6 Master of Arts (M.A.); Counselling Psychology (Non-Thesis) — Project (45 credits)**

**Required Courses (42 credits)**

EDPC 606 (3) Theories of Intervention 1  
EDPC 609 (3) Psychological Testing 1  
EDPC 615 (3) Assessment and Diagnosis 1  
EDPC 619 (3) Research Project 1  
EDPC 620 (3) Research Project 2  
EDPC 621 (3) Research Project 3  
EDPC 625 (3) Clinic Practicum 1  
EDPC 626 (3) Clinic Practicum 2  
EDPC 662 (3) Career Psychology  
EDPC 682D1 (3) Practicum: Psychological Testing  
EDPC 682D2 (3) Practicum: Psychological Testing  
EDPE 622 (3) Multiculturalism and Gender  
EDPE 627 (3) Professional Practice of Psychology  
EDPE 676 (3) Intermediate Statistics

**Complementary Courses (3 credits)**

3 credits from the following:

EDPE 682 (3) Univariate/Multivariate Analysis  
EDPE 687 (3) Qualitative Methods in Educational Psychology

**18.11.1.7 Doctor of Philosophy (Ph.D.); Counselling Psychology**

**Thesis**

**Required Courses (30 credits)**

EDPC 701 (0) Comprehensive Examination  
EDPC 702 (3) Assessment & Diagnosis 2  
EDPC 714 (3) Theory / Models: Family Therapy  
EDPC 720 (3) Consultation and Program Evaluation  
EDPC 780 (6) Supervision  
EDPC 782 (6) Doctoral Field Experience  
EDPC 786 (6) Proposal Preparation and Defense  
EDPE 712 (3) Neurological Bases of Behaviour

**Required Internship (24 credits)**

EDPC 795 (24) Pre-doctoral Internship

**Complementary Courses (6 credits)**

6 credits from the following:

EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 684	(3)	Applied Multivariate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology

### **Complementary Courses - Field Placements**

Two days per week, one semester each; students select two of these three field experiences; placement in a school covering all grades may be applied to either EDPE 721 or EDPE 722:

EDPE 721	(6)	School Psychology: Elementary
EDPE 722	(6)	School Psychology: Secondary
EDPE 723	(6)	School Psychology: Community

### **Internship**

One year full time or two years half-time

EDPE 725	(12)	Internship 1 - School Psychology
EDPE 726	(12)	Internship 2 - School Psychology

Students are not required to demonstrate knowledge of a second language within this program; however, any student wishing to be licensed as a professional psychologist in Quebec must have a working knowledge of French. Accreditation status may be confirmed by contacting the accrediting bodies.

Professional Accreditation

A2 5eay be con

EDPE 655	(3)	Learning Science Research Seminar
EDPE 661	(3)	Discourse Processes
EDPE 663	(3)	Learning Environments and Processes
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 666	(3)	Foundations of Learning Science
EDPE 697	(6)	Special Activity 1
EDPE 698	(6)	Special Activity 2

### Family Life Stream

Note: Admission to this stream is currently suspended

EDPC 501	(3)	Helping Relationships
EDPC 502	(3)	Group Processes and Individuals
EDPC 503	(3)	Human Sexuality: Professionals
EDPC 504	(3)	Practicum: Interviewing Skills
EDPC 505	(3)	Crisis Intervention Processes
EDPC 507	(3)	Practicum: Group Leadership Skills
EDPC 508	(3)	Seminar in Special Topics
EDPC 509	(3)	Individual Reading Course
EDPC 510	(3)	Family Life Education and Marriage
EDPC 540	(3)	Foundation of Family Life Education
EDPE 560	(3)	Human Development
EDPE 564	(3)	Family Communication
EDPE 595	(3)	Seminar in Special Topics
EDPE 605	(3)	Research Methods
EDPE 697	(6)	Special Activity 1
EDPE 698	(6)	Special Activity 2

### Inclusive Education Stream

EDPE 595	(3)	Seminar in Special Topics
EDPE 605	(3)	Research Methods
EDPE 697	(6)	Special Activity 1
EDPE 698	(6)	Special Activity 2
EDPI 526	(3)	Talented and Gifted Students
EDPI 527	(3)	Creativity and its Cultivation
EDPI 536	(3)	Practicum Gifted Education 1
EDPI 537	(3)	Practicum Gifted Education 2
EDPI 539	(3)	Field Work 1: Exceptional Students
EDPI 540	(3)	Field Work 2: Exceptional Students
EDPI 628	(3)	Gifted Students: Special Needs
EDPI 642	(3)	Education of Learners/Special Needs 1
EDPI 643	(3)	Education of Learners/Special Needs 2
EDPI 645	(3)	Diagnosis and Assessment in Special Education

EDPI 654	(3)	Instruction/Curriculum Adaptation
EDPI 665	(3)	Research and Theory in Learning Disabilities

**General Educational Psychology Stream**

Courses to be taken from the list of courses in other streams or any 500-, 600-, or 700-level courses offered by the Department with the approval of the Program Director, from other departments.

**Elective Courses (12 credits)**

500-, 600-, or 700- level courses to be taken from courses offered by the Department or with approval of the Program Director, from other departments.

**18.11.1.11 Master of Arts (M.A.); Educational Psychology (Thesis) (48 credits)****Thesis Courses (24 credits)**

EDPE 604	(3)	Thesis 1
EDPE 607	(3)	Thesis 2
EDPE 693	(3)	Thesis 3
EDPE 694	(3)	Thesis 4
EDPE 695	(6)	Thesis 5
EDPE 696	(6)	Thesis 6

**Prerequisite Course (or equivalent) - All Streams (3 credits)**

EDPE 575	(3)	Educational Measurement
----------	-----	-------------------------

**Required Courses (9 credits)**

EDPE 605	(3)	Research Methods
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis

**Complementary Courses (15 credits)**

To be taken from one of the three following streams. Students completing the School/Applied Child Psychology Stream should refer to the course list at the end:

**Learning Sciences Stream (15 credits)**

6 credits from the following:

EDPE 655	(3)	Learning Science Research Seminar
EDPE 666	(3)	Foundations of Learning Science

and 9 credits selected from the following:

EDPE 637	(3)	Issues in Health Professions Education
EDPE 648	(3)	Instructional Psychology Seminar
EDPE 656	(3)	Applied Cognitive Theory/Methods
EDPE 661	(3)	Discourse Processes
EDPE 663	(3)	Learning Environments and Processes
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 668	(3)	Advanced Seminar in Learning Sciences



EDPE 687 (3) Qualitative Methods in Educational Psychology

### Health Professions Stream (15 credits)

6 credits from the following:

Note: Students may select to take either EDPE 639 or EDPH 689, but not both.

EDPE 637	(3)	Issues in Health Professions Education
EDPE 639*	(3)	Practicum in Health Professions Education
EDPH 689*	(3)	Teaching and Learning in Higher Education

and 9 credits selected from the following:

EDPE 535	(3)	Instructional Design
EDPE 555	(3)	Applied Cognitive Science
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 648	(3)	Instructional Psychology Seminar
EDPE 656	(3)	Applied Cognitive Theory/Methods
EDPE 661	(3)	Discourse Processes
EDPE 663	(3)	Learning Environments and Processes
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 666	(3)	Foundations of Learning Science
EDPE 668	(3)	Advanced Seminar in Learning Sciences
EDPE 687	(3)	Qualitative Methods in Educational Psychology

or other 500-, 600- or 700-level courses offered by the Department and with the approval of the supervisor and the Program Director.

### Human Development Stream (15 credits)

9 credits from the following:

EDPE 502	(3)	Theories of Development and Disabilities
EDPE 672	(3)	Human Development Seminar 1
EDPE 673	(3)	Human Development Seminar 2

and 6 credits selected from the following:

EDPE 515	(3)	Gender Identity Development
EDPE 616	(3)	Cognitive Development

De

Students completing the School/Applied Child Psychology Stream complete 45 credits of specified courses in addition to the 33 credits of core required courses.

Note: There are no complementary courses for this stream

EDPC 609	(3)	Psychological Testing 1
EDPC 610	(3)	Psychological Testing 2
EDPC 682D1	(3)	Practicum: Psychological Testing
EDPC 682D2	(3)	Practicum: Psychological Testing
EDPE 600	(3)	Current Topics: Educational Psychology
EDPE 609	(3)	Selected Topics in Educational Psychology
EDPE 611	(3)	School Psychology Seminar
EDPE 616	(3)	Cognitive Development
EDPE 619	(3)	Child and Adolescent Therapy
EDPE 620	(3)	Developmental Psychopathology
EDPE 622	(3)	Multiculturalism and Gender
EDPE 623	(3)	Social-Emotional Development
EDPE 627	(3)	Professional Practice of Psychology
EDPE 684*	(3)	Applied Multivariate Statistics
EDPE 687*	(3)	Qualitative Methods in Educational Psychology
EDPI 654	(3)	Instruction/Curriculum Adaptation

\* Students have the choice to complete one of either EDPE 684 or EDPE 687.

#### **18.11.1.12 Doctor of Philosophy (Ph.D.); Educational Psychology**

##### **Required Courses (12 credits)**

EDPE 605	(3)	Research Methods
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 708	(0)	Comprehensive Examination
EDPH 689	(3)	Teaching and Learning in Higher Education

##### **Complementary Courses (30 credits)**

3 credits from:

EDPE 684	(3)	Applied Multivariate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology

27 credits to be taken from one of the two streams:

##### **Learning Sciences Stream (27 credits)**

18 credits from:

EDPE 655	(3)	Learning Science Research Seminar
EDPE 666	(3)	Foundations of Learning Science
EDPE 704	(3)	Advanced Research Seminar 1
EDPE 705	(3)	Advanced Research Seminar 2

EDPE 706	(3)	Advanced Research Seminar 3
EDPE 707	(3)	Advanced Research Seminar 4

and 9 credits from:

EDPE 637	(3)	Issues in Health Professions Education
EDPE 648	(3)	Instructional Psychology Seminar

### 18.11.2.2 About Information Studies

The School of Information Studies (SIS) at McGill University is a dynamic teaching and research unit engaged in the education of information professionals, individuals who can make a difference to the management and design of information resources, services, and systems to ensure adequate access to information and knowledge for all. As the pioneer school in Canada, SIS has been offering programs at McGill since 1897, and our Master of Library and Information Studies degree has been continuously accredited by the American Library Association since 1929. The School offers the Master of Library and Information Studies (M.L.I.S.), post-M.L.I.S. certificate and diploma programs, and a Ph.D. program in Information Studies. Our programs are articulated around three specializations: Archival Studies, Knowledge Management, and Librarianship.

Information Studies is the name assigned to a wide-ranging discipline, and SIS professors are engaged in four major research areas – information-seeking behaviour, human-computer interaction, information resources in context, and knowledge management and representation. Located within the Faculty of Education, SIS offers our students the advantages of a small, autonomous unit, yet with all the facilities and administrative support of a large and vibrant university faculty, located in the heart of bilingual and multicultural Montreal.

For complete information on the School of Information Studies, please see our website at [www.mcgill.ca/sis](http://www.mcgill.ca/sis).

For complete information about the M.L.I.S., including goals and objectives of the program, registration, categories of students, transfer credits, and courses taken at other Quebec universities, please see the M.L.I.S. section of the website at [www.mcgill.ca/sis/programs/mlis](http://www.mcgill.ca/sis/programs/mlis).

#### *section 18.11.2.5: Master of Library and Information Studies (M.L.I.S.); Information Studies (Non-Thesis) (48 credits)*

The Master of Library and Information Studies consists of a 48-credit non-thesis program, accredited by the American Library Association. This program is designed to prepare graduates for the broad field of information studies and has three areas of specialization: Archival Studies, Knowledge Management, and Librarianship. The program provides the intellectual foundation for careers in these three areas, fosters competencies in managing information and knowledge resources, advocates the ideal of equal access to information, promotes the appropriate use of technology in meeting information needs, encourages research in the field of library and information studies, and cultivates commitment to professional service for individuals, organizations, and society.

#### *section 18.11.2.6: Doctor of Philosophy (Ph.D.); Information Studies*

The Ph.D. in Information Studies provides an opportunity for exceptional candidates to study interdisciplinary research topics at the doctoral level. The program offers a thorough grounding in both current theory and methods of research to ensure that students develop knowledge and critical awareness of relevant theories, principles and methods in Information Studies and acquire the expertise to conduct and promote scholarly research in the context of Information Studies. The program begins with a set of common courses and proceeds to specialization through dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members. Students develop scholarly and innovative expertise in one of four research areas within information studies: information-seeking behaviour, human-computer interaction, information resources in context, and knowledge management and representation. The program prepares graduates for a wide range of settings in research, teaching, and senior administrative positions, in Quebec, Canada, and internationally, contributes to the development of knowledge and to teaching/learning in Information Studies, and builds national and international visibility of Information Studies from a research perspective.

#### *section 18.11.2.7: Graduate Certificate in Library and Information Studies (15 credits)*

The Graduate Certificate 15-credit program is designed to assist library and information professionals currently holding an ALA-accredited (or equivalent) master's degree to update their qualifications for advanced responsibility. The program may be completed in one or two academic terms, or on a part-time basis to a maximum of five years.

#### *section 18.11.2.8: Graduate Diploma in Library and Information Studies (30 credits)*

The Graduate Diploma 30-credit program provides professional librarians and information specialists currently holding an ALA-accredited (or equivalent) master's degree with formal opportunities to update, specialize, and redirect their careers for advanced responsibility. For those considering admission into the doctoral program, it will provide an opportunity to further develop their research interests. The program may be completed in one calendar year, or on a part-time basis to a maximum of five years.

### 18.11.2.3 Information Studies Admission Requirements and Application Procedures

#### 18.11.2.3.1 Admission Requirements

##### Master of Library and Information Studies (M.L.I.S.)

1. Applicants must have a bachelor's degree from a recognized university. Academic standing of at least B, or second class, upper division, or a CGPA of 3.0 out of 4.0 is required. Courses in library and/or information studies taken before or as part of an undergraduate degree, or such courses taken in a school with a program not accredited by the American Library Association, cannot be accepted as credit toward the McGill M.L.I.S.
2. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based test), 100 (iBT Internet-based TOEFL) with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (IELTS) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores.

3. Competency in the use of computers is expected. Applicants should have a thorough knowledge of the Windows operating system, particularly file management and word processing, and presentation software such as PowerPoint.
4. Previous library work experience, while not essential, will be given consideration in assessing an application, but this experience cannot replace academic criteria.

#### **Ph.D. in Information Studies**

1. Applicants should normally have a master's degree in Library and Information Studies (or equivalent). Master's degrees in other fields will be considered in relation to the proposed research.

An applicant with a master's degree in Library and Information Studies (or equivalent) will normally be admitted into Ph.D. 2.

An applicant with a master's degree in another field may be considered for admission as a Ph.D. 2 but will need to register for courses to upgrade background knowledge in library and information studies.

An applicant who holds only a bachelor's degree from McGill University or an approved institution in Information Studies (or equivalent) in exceptional circumstances may be admitted to Ph.D. 1.

A CGPA of at least 3.0 out of 4.0 at both the undergraduate and graduate level is required.

2. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based test), 100 (iBT Internet-based TOEFL) with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (IELTS) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores.

#### **Graduate Certificate in Library and Information Studies**

1. Applicants should have a master's degree in Library and Information Studies from a program accredited by the American Library Association (or equivalent). Candidates will normally have at least three years' professional experience following completion of the M.L.I.S.
2. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based test), 100 (iBT Internet-based TOEFL) with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (IELTS) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores.

#### **Graduate Diploma in Library and Information Studies**

1. Applicants should have a master's degree in Library and Information Studies from a program accredited by the American Library Association (or equivalent). Admission of students with overseas degrees will be guided by the M.L.I.S. equivalency standards of the A.L.A. Applicants will normally have at least three years' professional experience following completion of the M.L.I.S.
2. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based test), 100 (iBT Internet-based TOEFL) with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (IELTS) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores.

#### **18.11.232 Application Procedures**

Applicants to all programs must submit, or arrange for the submission of, the following documents, directly to the School. Additional requirements for each program are listed below.

1. A completed application form, available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply);
2. two sets of official transcripts of the applicant's university record showing degree(s) awarded; an official translation in either English or French is required for transcripts in another language;
3. two academic letters of recommendation, on letterhead, or, if degree was awarded more than five years ago, two employer letters of recommendation;
4. a covering letter outlining the reasons for wishing to undertake the program of study;
5. a curriculum vitae;
6. a non-refundable application fee of CAD \$100, payable by credit card only.

#### **Master of Library and Information Studies (M.L.I.S.)**

##### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select Information Studies.

Application forms for entrance into the first year of the M.L.I.S. program should be submitted before the dates for guaranteed consideration as enrolment is limited.

Applicants may be interviewed by a member of the Admissions Committee or a delegate.

#### **Ph.D. in Information Studies**



### **Part-time Instructors**

Nathalie Bélanger; L.L.B., D.D.N.(Montr.), M.L.I.S.(McG.), Director of Information Services-Library, Stikeman Elliott LLP

Edward Bilodeau; B.Sc, M.L.I.S.(McG.)

Heather Brydon; B.Ed.(Saint-Boniface), M.L.I.S.(McG.)

Louise Carpentier; B.L.S.(Tor.), M.Bibl.(Montr.), M.P.P.P.A.(C'dia), Senior Librarian, Head, Government Documents and Special Collections Services, Webster Library, Concordia University Libraries

Yusuke Fitzgibbons; M.L.I.S.(Dal.)

Catherine Jenner; B.A., L.L.B., M.L.S.(Tor.), LL.B.(Montr.), Senior Research Lawyer, Stikeman Elliott LLP

Rajiv Johal; B.Com., B.A., M.L.I.S.(McG.), Reference and Subject Librarian, Concordia University Libraries

Laurie Mitchell; B.A., M.A.(C'dia)

David Tang; B.Eng.(He Hai U), M.L.I.S.(McG.)

Felicity Tayler; B.A.(C'dia), M.L.I.S.(McG.)

Dorothy Williams; B.A., M.A.(C'dia), Ph.D.(McG.)

Natasha Zwarich; B.A., M.A.(UQAM)

### **Master of Library and Information Studies (M.L.I.S.);**

GLIS 647	(6)	Independent Study
GLIS 657	(3)	Database Design & Development
GLIS 689	(3)	Selected Topics
GLIS 699	(3)	Practicum

0-12 credits chosen from the following complementary courses:

GLIS 607	(3)	Organization of Information
GLIS 616	(3)	Information Retrieval
GLIS 619	(3)	Information Services & Users
GLIS 631	(3)	Systems Thinking
GLIS 632	(3)	Library Systems
GLIS 633	(3)	Multimedia Systems
GLIS 638	(3)	Business Information
GLIS 639	(3)	Introduction to Museology
GLIS 655	(3)	Language and Information
GLIS 661	(3)	Knowledge Management
GLIS 665	(3)	Competitive Intelligence
GLIS 690	(3)	Information Policy

### **Knowledge Management Stream**

12 credits, the following four required courses:

Kno





GLIS 609	(3)	Metadata & Access
GLIS 616	(3)	Information Retrieval
GLIS 622	(3)	Information Service Personnel
GLIS 623	(3)	Financial Management
GLIS 624	(3)	Marketing Information Services
GLIS 631	(3)	Systems Thinking
GLIS 633	(3)	Multimedia Systems
GLIS 634	(3)	Web System Design and Management
GLIS 639	(3)	Introduction to Museology
GLIS 643	(3)	Electronic Records Systems
GLIS 645	(3)	Archival Principles & Practice
GLIS 655	(3)	Language and Information
GLIS 657	(3)	Database Design & Development
GLIS 660	(3)	Records Management
GLIS 661	(3)	Knowledge Management
GLIS 665	(3)	Competitive Intelligence
GLIS 690	(3)	Information Policy

**Elective Courses (12 credits)**

0-12 credits approved by crpe9eludnt

GLIS 689	(3)	Selected Topics
GLIS 695	(6)	Research Paper 1
GLIS 696D1	(6)	Research Paper 2
GLIS 696D2	(6)	Research Paper 2

Note: students who wish to register for:

GLIS 694	(3)	Certificate Project
----------	-----	---------------------

must first have their research proposal approved by the Committee on Student Standing and Academic Affairs.

0-6 credits of non-GLIS courses with a maximum of 3 credits from outside McGill. All such courses must be at a graduate level and receive prior approval of the student's adviser(s) and the School's Director.

### 18.11.2.8 Graduate Diploma in Library and Information Studies (30 credits)

#### Research Paper

(6-18 credits)

GLIS 695	(6)	Research Paper 1
GLIS 696D1	(6)	Research Paper 2
GLIS 696D2	(6)	Research Paper 2

#### Complementary Courses

(9-24 credits)

Three to eight GLIS courses chosen in consultation with the student's adviser with the exception of the following:

GLIS 646	(12)	Research Project
GLIS 647	(6)	Independent Study
GLIS 689	(3)	Selected Topics
GLIS 694	(3)	Certificate Project

0-15 credits of non-GLIS courses, a maximum of one-third of which may be from outside McGill. All such courses must be at a graduate level and receive the prior approval of the student's adviser and the School's Director.

### 18.11.3 Integrated Studies in Education

#### 18.11.3.1 Location

Department of Integrated Studies in Education  
 Education Building, Room 244  
 3700 McTavish Street  
 Montreal, QC H3A 1Y2  
 Canada

Website: [www.mcgill.ca/edu-dise](http://www.mcgill.ca/edu-dise)

Graduate Programs (Graduate Certificate, M.A., and Ph.D.):  
 Education Building, Room 244  
 Telephone: 514-398-1591 / 514-398-7149  
 Fax: 514-398-4529

The administrative office is open Monday to Friday from 8:30 a.m. to 5:00 p.m.

### **18.11.3.2 About Integrated Studies in Education**

The Department offers graduate students the opportunity to enhance their knowledge related to specific areas of inquiry in the field of education through our M.A. degrees (thesis or non-thesis options), including our MATL leading to teacher certification, Ph.D. in Educational Studies, and Graduate Certificates.

The Department offers the following programs:

Three Graduate Certificates (15 credits):

- Graduate Certificate in Educational Leadership 1
- Graduate Certificate in Educational Leadership 2
- Graduate Certificate in Teaching English as a Second Language

Three M.A. Thesis and Non-Thesis degree programs (45 credits) in the following areas:

- Education and Society
- Educational Leadership
- Second Language Education

The Department offers an M.A. in Teaching and Learning (MATL) (60 credits) in the following areas:

- Social Sciences
- English Language Arts
- Science and Technology
- Mathematics
- English or French Second Language

The Department also offers a Ph.D. in Educational Studies. The four research areas currently available are:

- Curriculum and Literacy Studies
- Cultural and International Studies in Education
- Studies in Educational Leadership
- Studies in Second Language Education

#### **Master of Arts in Education and Society**



*section 18.11.3.17: Master of Arts (M.A.); Second Language Education (Non-Thesis) (45 credits)*

The M.A. Non-Thesis option, consisting entirely of coursework, is less research-oriented and suitable for practitioners interested in professional development with a theoretical orientation.

**Master of Arts in Teaching and Learning (MATL)**

The M.A. in Teaching and Learning is a professional program leading to Quebec teacher certification for those already holding an undergraduate degree in a *Ministère de l'Éducation, du Loisir et du Sport* (MELS) identified teachable subject area (Mathematics, Science & Technology, Social Sciences, English, TESL, TFSL). This 60-credit degree program is comprised of 45 credits of coursework, coupled with 15 credits of internship. Throughout the MATL, emphasis will be on the attainment of the QEP professional competencies, and evidence of mastery of these will be demonstrated in order for students to



**Graduate Certificate in Teaching English as a Second Language.** Applicants are required to pass a written and oral English language proficiency test set by the Department.

**Master of Arts in Second Language Education.** Normally, a minimum of 36 credits including a combination of relevant courses in education and language studies.

Normally, at least two years of relevant professional experience in education.

**Master of Arts in Education and Society and Master of Arts in Educational Leadership.** Normally, at least two years of relevant educational experience (teaching or related professional experience).

**Master of Arts in Teaching and Learning (MATL) (Non-Thesis).** Please see the Departmental website for additional admission requirements: [www.mcgill.ca/edu-dise/prospective/matl](http://www.mcgill.ca/edu-dise/prospective/matl).

### **18.11.3.3.2 Application Procedures**

McGill's online application form is av



### Emeritus Professors

John B. Gradwell; B.A., M.A.(Calif.), Ph.D.(Iowa)

Wayne C. Hall; B.A., M.A.(Bishop's) (*William C. Macdonald Emeritus Professor of Education*)

Norman Henchey; B.A., B.Ped., Lic.Ped.(Montr.), Ph.D.(McG.)

Denise Lussier; B.A.(Coll. Jesus Marie de Sillery), M.Ed.(Boston), M.A., Ph.D.(Laval)

Jacques J. Rebuffot; B. ès L., L. ès L., D.E.S.(Aix-Marseilles), Dip. I.E.P., Dr. 3rd Cy.(Strasbourg)

Bernard Shapiro; B.A.(McG.), M.A.T., Ed.D.(Harv.)

David C. Smith; B.Ed.(McG.), Ph.D.(Lond.), F.C.C.T., F.R.S.A.

R. Lynn Studham; N.D.D.(Sunder), A.R.A.(Royal Acad., Copen.), M.A.(E. Carolina), C.S.G.A., S.C.A.

John Wolforth; B.Sc.(Sheff.), M.A., Ph.D.(Br. Col.)

### Professors

Lynn Butler-Kisber; B.Ed., M.Ed.(McG.), Ed.D.(Harv.)

David Dillon; B.A.(St. Columban's), M.S.(SW Texas St.), Ph.D.(Texas-Austin)

Ratna Ghosh; C.M., B.A.(Calc.), M.A., Ph.D.(Calg.), F.R.S.C. (*William C. Macdonald Professor of Education*) (*James McGill Professor*)

Barry Levy; B.A., M.A., B.R.E.(Yeshiva), Ph.D.(NYU)

Roy Lyster; B.A.(Regina), M.A.(Paris VII), B.Ed., M.Ed., Ph.D.(Tor.)

Mary H. Maguire; B.A., B.Ed., M.A.(Montr.), M.Ed., Cert. Reading(McG.), Ph.D.(Ariz.)

Claudia A. Mitchell; B.A.(Bran.), M.A.(Mt. St. Vin.), Ph.D.(Alta.) (*James McGill Professor*)

Anthony Paré; B.Ed, M.A., Ph.D.(McG.)

Lise Winer; B.A.(Pitt.), M.A.(Minn.), Cert.Ped.(C'dia), Ph.D.(West Indies)

### Associate Professors

Helen Amoroggi; B.Sc., M.A.(Rhode Is.), Ed.D.(Boston)

Jon G. Bradley; B.A., M.A.(Sir G. Wms.)

Eric Caplan; B.A.(Tor.), M.A.(Hebrew), Ph.D.(McG.)

Michael Hoechsmann; B.A., M.A.(S. Fraser), Ph.D.(Tor.)

Steven Jordan; B.A.(Kent), M.Sc.(Lond.), Ph.D.(McG.)

Bronwen Low; B.A.(Qu.), M.A.(Br. Col.), Ph.D.(York)

Kevin McDonough; B.A., B.Ed., M.Ed.(Alta.), Ph.D.(Ill.)

Ronald Morris; B.Ed., M.A., Ph.D.(McG.)

Mela Sarkar; B.A., Dip.Ed.(McG.), M.A., Ph.D.(C'dia)

Gale A. Seiler; B.Sc.(Fairleigh Dickinson), M.S.(Montana), Ph.D.(Penn.)

Shaheen Shariff; B.G.S., M.A.Educ., Ph.D.(S. Fraser)

Doreen Starke-Meyerring; B.Ed.(Potsdam), M.A.(N. Dakota), Ph.D.(Minn.)

Shirley R. Steinberg; B.Ed., M.Ed.(Leth.), Ph.D.(Penn. St.)

Teresa Strong-Wilson; B.A.(Calg.), B.A.(McG.), M.A., Ph.D.(Vic., BC)

Carolyn E. Turner; B.A.(Ariz.), M.Ed., Ph.D.(McG.)

Boyd White; B.A.(Sir G. Wms.), B.F.A.(C'dia), M.F

**Assistant Professors**

Abdul Aziz Choudry; Grad.Dip., Ph.D.(C'dia)  
 Kara Jackson; B.A.(Bates), M.A., Ph.D.(Penn.)  
 Annie Savard; B.Ed., M.A., Ph.D.(Laval)  
 Sylvia Sklar; Dip.Ed.(McG.), B.A.(C'dia), M.Ed.(McG.)

**Associate Members**

Adrienne Hurley, Lynn McAlpine

**Faculty Lecturers**

Beverly Baker, Fiona Benson, Charlotte Hussey, Caroline Riches, Louise Savoie, Donna-Lee Smith

**Adjunct Professors**

Colin Lankshear, Robert Sagers, Ruth Sandwell, Ann Smith

**18.11.3.5 Master of Arts (M.A.); Education and Society (Thesis) (45 credits)****Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

**Required Courses (6 credits)**

EDEM 609	(3)	Introduction to Educational Theory and Research
EDEM 690	(3)	Research Methods: Philosophy and Practice

**Complementary Courses (3 credits)**

3 credits selected from one of the following streams below:

**Culture and Values in Education Stream**

3 credits to be selected from the following:

EDER 607	(3)	Values Education: Contemporary Approaches
EDER 608	(3)	Educational Implications of Social Theory
EDER 615	(3)	Culture, Values and Education

**Teaching, Learning, and Curriculum Stream**

3 credits to be selected from the following:

EDEC 602	(3)	Foundations of Curriculum
EDEC 606	(3)	Seminar in Curriculum Inquiry
EDEM 644	(3)	Curriculum Development and Implementation

**Elective Courses (12 credits)**

12 credits at the 500, 600, or 700 level, chosen in consultation with the Thesis Supervisor or Graduate Program Director. The student may take a maximum of 6 credits from outside the Department.

**18.11.3.6 Master of Arts (M.A.); Education and Society (Thesis) — Gender and Women's Studies (45 credits)**

**Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

**Required Courses (9 credits)**

EDEM 609	(3)	Introduction to Educational Theory and Research
EDEM 690	(3)	Research Methods: Philosophy and Practice
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (6 credits)**

6 credits selected as follows:

3 credits from the Culture and Values in Education Stream OR Teaching, Learning, and Curriculum Stream

3 credits selected either by taking WMST 602 or a course at the 500- level or higher on gender/women's issues.

**Culture and Values in Education Stream**

3 credits to be 565.442 Tun Educatiucatiucatiuc66edito be 565..884 Tm(3 credwj1:0 0 1 221.949 565.44433m(4)Tj1 0 0 1 120.3122Tm984433m(4)Tj1in Eduion Strea:

EDEM 609	(3)	Introduction to Educational Theory and Research
EDEM 690	(3)	Research Methods: Philosophy and Practice

**Complementary Courses (3 credits)**

3 credits selected from one of the following streams below:

**Culture and Values in Education Stream**

3 credits selected from the following:

EDER 607	(3)	Values Education: Contemporary Approaches
EDER 608	(3)	Educational Implications of Social Theory
EDER 615	(3)	Culture, Values and Education

**Teaching and Learning Curriculum Stream**

3 credits to be selected from the following:

EDEC 602	(3)	Foundations of Curriculum
EDEC 606	(3)	Seminar in Curriculum Inquiry
EDEM 644	(3)	Curriculum Development and Implementation

**Elective Courses (30 credits)**

30 credits at the 500, 600, or 700 level chosen in consultation with the Project Supervisor or Graduate Program Director.

Students may take a maximum of 9 credits from outside the Department.

**18.11.3.8 Master of Arts (M.A.); Education and Society (Non-Thesis) — Gender and Women's Studies (45 credits)****Research Project (6 credits)**

EDER 633	(6)	Project
----------	-----	---------

**Required Courses (9 credits)**

EDEM 609	(3)	Introduction to Educational Theory and Research
EDEM 690	(3)	Research Methods: Philosophy and Practice
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (6 credits)**

6 credits selected as follows:

3 credits from Culture and Values in Education Stream OR Teaching, Learning, and Curriculum Stream

3 credits selected either by taking WMST 602 or a course at the 500- level or higher on gender/women's issues.

**Culture and Values in Education Stream**

3 credits to be selected from the following:

EDER 607	(3)	Values Education: Contemporary Approaches
EDER 608	(3)	Educational Implications of Social Theory
EDER 615	(3)	Culture, Values and Education

**Teaching, Learning, and Curriculum Stream**

3 credits to be selected from the following:

EDEC 602	(3)	Foundations of Curriculum
EDEC 606	(3)	Seminar in Curriculum Inquiry
EDEM 644	(3)	Curriculum Development and Implementation

3 credits chosen from the following, must be either:

WMST 602	(3)	Feminist Research Symposium
----------	-----	-----------------------------

or one 3-credit course, at the 500, 600, or 700 level, on gender/women's issues (may be in the Department or outside).

### **Elective Courses (24 credits)**

24 credits at the 500, 600, or 700 level, chosen in consultation with the Project Supervisor or the Graduate Program Director. Students may take a maximum of 12 credits outside the Department.

### **18.11.3.9 Master of Arts (M.A.); Education and Society (Non-Thesis) — Jewish Education (45 credits)**

This program is designed to offer a graduate-level point of entry into the teaching profession for students who typically will have completed a B.A. with minor or major in Jewish Studies. The M.A. will not provide Quebec Government teacher certification (in Quebec, certification is at the B.Ed. level), but at the present time, Jewish schools may hire non-certified teachers of Jewish Studies at their discretion.

Students interested in doing a research-focused M.A. in the area of Jewish Education should follow one of the other graduate degree offerings within the area of Education and Society.

### **Required Internship (15 credits)**

EDER 610D1	(7.5)	Internship
EDER 610D2	(7.5)	Internship

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

EDEM 690	(3)	Research Methods: Philosophy and Practice
EDER 520	(3)	Issues in Jewish Education

### **Complementary Courses (24 credits)**

24 credits at the 500, 600, or 700 level, selected in consultation with the program adviser. Students will normally follow this profile:

9 credits from the course offerings of the Department of Jewish Studies, Faculty of Arts.

9 credits chosen from the following courses:

EDER 521	(3)	Teaching Judaism: Yiddish
EDER 522	(3)	Teaching Judaism: Hebrew
EDER 523	(3)	Teaching Judaism: Bible
EDER 524	(3)	Teaching Judaism: History
EDER 525	(3)	Teaching Judaism: Holidays
EDER 526	(3)	Teaching Judaism: Liturgy
EDER 527	(3)	Teaching Judaism: Special Topics
EDER 528	(3)	Teaching Judaism: The Holocaust

6 credits selected from the following courses:

EDPE 510	(3)	Learning and Technology
EDPE 535	(3)	Instructional Design
EDPE 616	(3)	Cognitive Development
EDPI 526	(3)	Talented and Gifted Students
EDPI 642	(3)	Education of Learners/Special Needs 1
EDPI 654	(3)	Instruction/Curriculum Adaptation

**Language Requirement**

EDER 529	(0)	Hebrew Language Requirement
----------	-----	-----------------------------

**18.11.3.10 Master of Arts (M.A.); Educational Leadership (Thesis) (45 credits)****Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

**Required Courses (9 credits)**

EDEM 609	(3)	Introduction to Educational Theory and Research
EDEM 610	(3)	Leadership in Action
EDEM 673	(3)	Leadership Theory in Education

**Complementary Courses (6 credits)**

6 credits selected from the following courses:

EDEM 690	(3)	Research Methods: Philosophy and Practice
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

**Elective Courses (6 credits)**

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

**18.11.3.11 Master of Arts (M.A.); Educational Leadership (Thesis) — Gender and Women's Studies (45 credits)****Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

**Required Courses (12 credits)**

EDEM 609	(3)	Introduction to Educational Theory and Research
EDEM 610	(3)	Leadership in Action
EDEM 673	(3)	Leadership Theory in Education
WMST 601	(3)	Feminist Theories and Methods

**Complementary Cour**

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

**18.11.3.13 Master of Arts (M.A.); Educational Leadership (Non-Thesis) — Project (45 credits)**

**Research Project (12 credits)**

EDEM 625	(6)	Project 1
EDEM 627	(6)	Project 2

**Required Courses (12 credits)**

EDEM 609	(3)	Introduction to Educational Theory and Research
EDEM 610	(3)	Leadership in Action
EDEM 673	(3)	Leadership Theory in Education
EDEM 690	(3)	Research Methods: Philosophy and Practice

**Complementary Courses (15 credits)**

12 credits selected from the following courses:

EDEM 628	(3)	Education Resource Management
EDEM 630	(3)	Policy Issues: Workplace Learning
EDEM 637	(3)	Managing Educational Change
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation
EDEM 664	(3)	Education and the Law
EDEM 674	(3)	Organizational Theory and Education
EDEM 675	(3)	Special Topics 1
EDEM 677	(3)	Special Topics 2
EDEM 693	(3)	School Improvement Approaches

3 credits selected from the following courses:

EDEC 602	(3)	Foundations of Curriculum
EDEC 606	(3)	Seminar in Curriculum Inquiry
EDEC 612	(3)	Media Literacy
EDEC 620	(3)	Meanings of Literacy
EDEC 635	(3)	Advanced Written Communication

**Elective Courses (6 credits)**

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

**18.11.3.14 Master of Arts (M.A.); Educational Leadership (Non-Thesis) — Project — Gender and Women's Studies (45 credits)**

**Research Project (12 credits)**

EDEM 625	(6)	Project 1
EDEM 627	(6)	Project 2

**Required Courses (15 credits)**



EDEM 609	(3)	Introduction to Educational Theory and Research
EDEM 610	(3)	Leadership in Action
EDEM 673	(3)	Leadership Theory in Education
EDEM 690	(3)	Research Methods: Philosophy and Practice
WMST 601	(3)	Feminist Theories and Methods

EDSL 668	(6)	Thesis Research 3
EDSL 669	(6)	Thesis Research 4

**Required Courses (9 credits)**

EDEM 690	(3)	Research Methods: Philosophy and Practice
EDPE 575	(3)	Educational Measurement
EDSL 623	(3)	Second Language Learning

**Complementary Courses (9 credits)**

9 credits selected from the following courses:

EDEM 609	(3)	Introduction to Educational Theory and Research
EDSL 617	(3)	Special Topic in Second Language Education
EDSL 620	(3)	Critical Issues in Second Language Education
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Classroom-Centred Second Language Research
EDSL 629	(3)	Second Language Assessment
EDSL 630	(3)	Qualitative/Ethnographic Methods
EDSL 631	(3)	Second Language Curriculum
EDSL 632	(3)	Second Language Literacy Development
EDSL 651	(3)	Content-Based L2 Learning

**Elective Course (3 credits)**

3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

**18.11.3.16 Master of Arts (M.A.); Second Language Education (Thesis) — Gender and Women's Studies (45 credits)****Thesis Courses (24 credits)**

EDSL 666	(6)	Thesis Research 1
EDSL 667	(6)	Thesis Research 2
EDSL 668	(6)	Thesis Research 3
EDSL 669	(6)	Thesis Research 4

**Required Courses (12 credits)**

EDEM 690	(3)	Research Methods: Philosophy and Practice
EDPE 575	(3)	Educational Measurement
EDSL 623	(3)	Second Language Learning
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (9 credits)**

6 credits selected from the following courses:

EDEM 609	(3)	Introduction to Educational Theory and Research
EDSL 617	(3)	Special Topic in Second Language Education
EDSL 620	(3)	Critical Issues in Second Language Education





EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Classroom-Centred Second Language Research
EDSL 629	(3)	Second Language Acquisition <del>Assessment</del> 8946
EDSL 651	(3)	Content-Based L2 Learning

### All Streams

EDEC 606	(3)	Seminar in Curriculum Inquiry
EDEM 637	(3)	Managing Educational Change
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation
EDEM 660	(3)	Community Relations in Education
SOCI 512	(3)	Ethnicity & Public Policy
SOCI 588	(3)	Sociology of Knowledge
SWRK 602	(3)	Youth Justice in Canada
SWRK 604	(3)	Critical Issues: Social Policy

### 18.11.3.19 Master of Arts (M.A.) in Teaching and Learning — English Language Arts Option (60 credits)

This M.A. in Teaching and Learning is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of courses, coupled with 15 credits (minimum of 500 hours) of internship. This professional program offers teacher certification to those already holding an undergraduate degree in a Ministère de l'Éducation, du Loisir et du Sport (MELS) identified teachable subject area. Part-time study is available for this program, as it is intended to serve the needs of a broad and diverse student clientele. Throughout the MATL, emphasis will be on the attainment of the Québec Education Program (QEP) professional competencies, and evidence of mastery of these will be demonstrated in order for students to successfully complete the program. Upon completion, students are recommended to the MELS for certification.

### Required Courses (45 credits)

EDEM 690	(3)	Research Methods: Philosophy and Practice
EDIN 601	(9)	Internship 1
EDIN 602	(10)	Internship 2
EDPS 600	(1)	Introductory Professional Seminar
EDPS 605	(1)	Culminating Professional Seminar
		Foundations and Issues in Second Language Education

6 credits from, chosen in accordance with MELS subject area:

EDTL 629	(3)	Applied Methods in Teaching Secondary Eng. Language Arts
EDTL 630	(3)	Advanced Applied Methods in Teaching Sec English Lang Arts

6 credits selected in consultation with the MATL program adviser.

Note: Students in the Second Language Education subject area and students in all other subject areas who choose to complete 'Teaching in Second Language Contexts' as a second subject area must take EDSL 505 and EDSL 512 or EDSL 515.

EDSL 505	(3)	Second Language Acquisition Applied to Classroom Contexts
EDSL 512	(3)	Grammar in Teaching English as a Second Language
EDSL 515	(3)	Étude de la langue française pour enseignants

Students select 6 credits from 500- or 600-level courses related to English Language Arts area and courses from all other streams below:

### English Language Arts

COMS 639	(3)	Interpretive Methods in Media
COMS 649	(3)	Audience Analysis
EDEC 610	(3)	Literature: Children/Young Adults
EDEC 627	(3)	Responding to Texts
EDEC 628	(3)	Literacy - Multilingual/Multicultural Settings
ENGL 586	(3)	Cultural Studies: Other Media
ENGL 587	(3)	Theoretical Approaches to Cultural Studies
ISLA 585	(3)	Arab Women's Literature

### All Streams

EDEC 606	(3)	Seminar in Curriculum Inquiry
EDEM 637	(3)	Managing Educational Change
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation
EDEM 660	(3)	Community Relations in Education
SOCI 512	(3)	Ethnicity & Public Policy
SOCI 588	(3)	Sociology of Knowledge
SWRK 602	(3)	Youth Justice in Canada
SWRK 604	(3)	Critical Issues: Social Policy

### 18.11.3.20 Master of Arts (M.A.) in Teaching and Learning — Mathematics Option (60 credits)

This M.A. in Teaching and Learning is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of courses, coupled with 15 credits (minimum of 500 hours) of internship. This professional program offers teacher certification to those already holding an undergraduate degree in a Ministère de l'Éducation, du Loisir et du Sport (MELS) identified teachable subject area. Part-time study is available for this program, as it is intended to serve the needs of a broad and diverse student clientele. Throughout the MATL, emphasis will be on the attainment of the Québec Education Program (QEP) professional competencies, and evidence of mastery of these will be demonstrated in order for students to successfully complete the program. Upon completion, students are recommended to the MELS for certification.

### Required Courses (45 credits)

EDEM 690	(3)	Research Methods: Philosophy and Practice
----------	-----	---

EDIN 601	(9)	Internship 1
EDIN 602	(10)	Internship 2
EDPS 600	(1)	Introductory Professional Seminar
EDPS 605	(1)	Culminating Professional Seminar
EDSL 500	(3)	Foundations and Issues in Second Language Education
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 506	(3)	Philosophy of Education
EDTL 508	(3)	Critical Influences on Educational Praxis
EDTL 515	(0)	English Exam for Teacher Certification
EDTL 601	(3)	Cross-curricular Teaching Methods
EDTL 604	(3)	Techniques for Assessment
EDTL 609	(3)	Diverse Learners

### Complementary Courses (15 credits)

3 credits selected from:

EDEC 612	(3)	Media Literacy
EDEC 620	(3)	Meanings of Literacy

6 credits from, chosen in accordance with MELS subject area:

EDTL 627	(3)	Applied Methods in Teaching Mathematics in Secondary School
EDTL 628	(3)	Advanced Methods in Teaching Mathematics in Sec. School

6 credits selected in consultation with the MATL program adviser.

Note: Students in the Second Language Education subject area and students in all other subject areas who choose to complete 'Teaching in Second Language Contexts' as a second subject area must take EDSL 505 and EDSL 512 or EDSL 515.

EDSL 505	(3)	Second Language Acquisition Applied to Classroom Contexts
EDSL 512	(3)	Grammar in Teaching English as a Second Language
EDSL 515	(3)	Étude de la langue française pour enseignants

Students select 6 credits from 500- or 600-level courses related to Mathematics subject area and courses from all streams.

### Mathematics

EDES 651	(3)	Mathematics Curriculum Issues
----------	-----	-------------------------------

### All Streams

EDEC 606	(3)	Seminar in Curriculum Inquiry
EDEM 637	(3)	Managing Educational Change
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation
EDEM 660	(3)	Community Relations in Education
SOCI 512	(3)	Ethnicity & Public Policy

SOCI 588	(3)	Sociology of Knowledge
SWRK 602	(3)	Youth Justice in Canada
SWRK 604	(3)	Critical Issues: Social Policy

**18.11.3.21 Master of Arts (M.A.) in Teaching and Learning — Social Sciences Option (60 credits)**

This M.A. in Teaching and Learning is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of courses, coupled with 15 credits (minimum of 500 hours) of internship. This professional program offers teacher certification to those already holding an undergraduate degree in a Ministère de l'Éducation, du Loisir et du Sport (MELS) identified teachable subject area. Part-time study is available for this program, as it is intended to serve the needs of a broad and diverse student clientele. Throughout the MATL, emphasis will be on the attainment of the Québec Education Program (QEP) professional competencies, and evidence of mastery of these will be demonstrated in order for students to successfully complete the program. Upon completion, students are recommended to the MELS for certification.

**Required Courses (45 credits)**

EDEM 690	(3)	Research Methods: Philosophy and Practice
EDIN 601	(9)	Internship 1
EDIN 602	(10)	Internship 2
EDPS 600	(1)	Introductory Professional Seminar
EDPS 605	(1)	Culminating Professional Seminar
EDSL 500	(3)	Foundations and Issues in Second Language Education
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 506	(3)	Philosophy of Education
EDTL 508	(3)	Critical Influences on Educational Praxis
EDTL 515	(0)	English Exam for Teacher Certification
EDTL 601	(3)	Cross-curricular Teaching Methods
EDTL 604	(3)	Techniques for Assessment
EDTL 609	(3)	Diverse Learners

**Complementary Courses (15 credits)**

3 credits selected from:

EDEC 612	(3)	Media Literacy
EDEC 620	(3)	Meanings of Literacy

6 credits from chosen in accordance with MELS subject area:

EDTL 633	(3)	Applied Methods in Teaching Social Science in Sec. School
EDTL 634	(3)	Adv Applied Meth in Teaching Social Sciences in Sec. School

6 credits selected in consultation with the MATL program adviser.

Note: Students in the Second Language Education subject area and students in all other subject areas who choose to complete 'Teaching in Second Language Contexts' as a second subject area must take EDSL 505 and EDSL 512 or EDSL 515.

EDSL 505	(3)	Second Language Acquisition Applied to Classroom Contexts
EDSL 512	(3)	Grammar in Teaching English as a Second Language
EDSL 515	(3)	Étude de la langue française pour enseignants



Students select 6 credits from 500- or 600-level courses related to social sciences subject area and courses from all streams below.

**Social Sciences**

ANTH 512	(3)	Political Ecology
POLI 619	(3)	Immigrants / Refugees / Minorities
POLI 643	(3)	Politics of Identity
POLI 650	(3)	Seminar in Peacebuilding
POLI 680	(3)	Social Change/Advanced Industrialized Democracies
		Mov

EDTL 604	(3)	Techniques for Assessment
EDTL 609	(3)	Diverse Learners

**Complementary Courses (15 credits)**

3 credits selected from:

EDEC 612	(3)	Media Literacy
EDEC 620	(3)	Meanings of Literacy

6 credits from, chosen in accordance with MELS subject area:

EDTL 625	(3)	Applied Methods in Teaching Science in Secondary School
EDTL 626	(3)	Advanced Applied Methods in Teaching Science in Sec. School

6 credits selected in consultation with the MATL program adviser.

Note: Students in the Second Language Education subject area and students in all other subject areas who choose to complete 'Teaching in Second Language Contexts' as a second subject area must take EDSL 505 and EDSL 512 or EDSL 515.

EDSL 505	(3)	Second Language Acquisition Applied to Classroom Contexts
EDSL 512	(3)	Grammar in Teaching English as a Second Language
EDSL 515	(3)	Étude de la langue française pour enseignants

Students select 6 credits from 500- or 600-level courses related to Science and T

EDEC 700	(2)	Proseminar in Education 1
EDEC 701	(0)	Ph.D. Comprehensive Examination
EDEC 702	(2)	Proseminar in Education 2
EDEC 703	(2)	Ph.D. Colloquium 1
EDEC 704	(2)	Ph.D. Colloquium 2

Note: EDEC 701 is normally taken at the end of the second year for Ph.D. 2 program entrants and at the end of the third year for Ph.D. 1 entrants.

### Complementary Courses (3 credits)

One of the following courses:

EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods
EDSL 664	(3)	Second Language Research Methods

### Elective Courses

0-12 credits

Elective courses required in the student's Ph.D. plan of study will be determined in consultation with the Doctoral Advisory Committee depending on the student's background and research interests.

Students admitted to Ph.D. 2 will normally take up to four elective courses under the advice of their Doctoral Advisory Committee.

Students admitted to Ph.D. 1 without an M.A. may be advised by their Doctoral Advisory Committee to take more than four elective courses depending on their background. If admitted to the program without at least 6 credits of M.A.-level research methods and/or Statistics courses, candidates may be expected to take such courses during their first year of study as advised.

These may be selected from current offerings of research methods courses either within or outside the Department, such as:

EDEM 690	(3)	Research Methods: Philosophy and Practice
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods
EDSL 664	(3)	Second Language Research Methods

Students required by their Doctoral Advisory Committee to take graduate courses in statistics will select from a range of courses, such as the following:

EDPE 575	(3)	Educational Measurement
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis

### 18.11.3.24 Doctor of Philosophy (Ph.D.); Educational Studies — Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Educational Studies. The Ph.D. thesis must be on a topic relating to language acquisition, approved by the Language Acquisition Program (LAP) committee.

### Thesis

### Required Courses

EDSL 711	(2)	Language Acquisition Issues 3
LING 710	(2)	Language Acquisition Issues 2
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 712	(2)	Language Acquisition Issues 4

**Complementary Courses**

3 credits of graduate-level statistics from the courses below:

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

6 credits selected from the following list, at least one course must be outside the Department of Integrated Studies in Education:

EDEM 692	(3)	Qualitative Research Methods
EDSL 620	(3)	Critical Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Classroom-Centred Second Language Research
EDSL 629	(3)	Second Language Assessment
EDSL 632	(3)	Second Language Literacy Development
EDSL 664	(3)	Second Language Research Methods
LING 555	(3)	Language Acquisition 2
LING 590	(3)	Language Acquisition and Breakdown
LING 651	(3)	Topics in Acquisition of Phonology
LING 655	(3)	Theory of L2 Acquisition
LING 755	(3)	Advanced Seminar: Language Acquisition
PSYC 561	(3)	Methods: Developmental Psycholinguistics
PSYC 734	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
PSYC 736	(3)	Developmental Psychology and Language
PSYC 737	(3)	Developmental Psychology and Language
SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children
SCSD 633	(3)	Language Development
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2

**18.11.3.25 Doctor of Philosophy (Ph.D.); Educational Studies — Gender and Women's Studies**

**Thesis**

**Required Courses**

EDEC 700                      (2)                      Proseminar in Education 1

### **18.11.3.27 Graduate Certificate in Educational Leadership 2 (15 credits)**

This 15-credit program explores more deeply leadership theory and educational issues and applications in a practicum. Candidates for the Graduate Certificate in Educational Leadership 2 should normally have completed the first certificate. In combination, the two certificates allow school administrators to acquire the 30 graduate credits in the field of educational leadership required by the Quebec Ministry of Education.

Course selection to be approved by Graduate Certificate Program Director.

No course taken in Certificate 1 can be repeated in Certificate 2.

#### **Complementary Courses (15 credits)**

EDEM 609	(3)	Introduction to Educational Theory and Research
EDEM 660	(3)	Community Relations in Education
EDEM 664	(3)	Education and the Law
EDEM 671	(3)	The Principalship
EDEM 673	(3)	Leadership Theory in Education
EDEM 675	(3)	Special Topics 1
EDEM 681	(3)	Practicum - Administrative Studies
EDEM 693	(3)	School Improvement Approaches
EDEM 695	(3)	Policy Studies in Education

Or other 500-level or higher courses approved by the Graduate Certificate Program Director.

### **18.11.3.28 Graduate Certificate; Teaching English as a Second Language (15 credits)**

This 15-credit certificate is designed as professional development for in-service teachers and candidates with a background in education, language studies, linguistics, or a related field, or as preparation for application to our M.A. in Second Language Education. The five courses that comprise the certificate provide a solid background and offer in-depth study in the field of second-language education from a range of perspectives and with a focus on research and applications to teaching. Please note that this certificate does not lead to teacher certification.

The Graduate Certificate in TESL is designed to be available to students worldwide. Courses are offered in a combination of online and face-to-face formats, and sequenced in such a way that students can complete the certificate in one year. The maximum time for completion is five years. The first three courses are offered online, and can be undertaken anywhere an Internet connection is available. The final two courses are offered face-to-face either on-site at McGill or at off-site locations with collaborati

Sir Arthur Currie Memorial Gymnasium  
475 Pine Avenue





**Required Courses (6 credits)**

EDKP 605	(3)	Research Methods 1
EDKP 617	(0)	Seminar in Kinesiology and Physical Education 1
		Seminar in Kinesiology and Physical Education 1

EDPE 676 (3) Intermediate Statistics

### Complementary Courses (15 credits)

Students must take a minimum of 9 credits of coursework in a classroom setting in the area of concentration selected in consultation with the Graduate Student Adviser.

EDKP 542	(3)	Environmental Exercise Physiology
EDKP 553	(3)	Physical Activity Assessments
EDKP 566	(3)	Advanced Biomechanics Theory
EDKP 603	(6)	Individual Reading Course 1
EDKP 616	(3)	Individual Reading Course 2
EDKP 630	(3)	Human Walking Mechanics
EDKP 635	(3)	Modeling Human Movement
EDKP 640	(3)	Advanced Ergonomics
EDKP 652	(3)	Cardio-Respiratory Exercise Physiology
EDKP 662	(3)	Nerve/Muscle Exercise Response
EDKP 663	(3)	Applied Exercise Physiology
EDKP 664	(3)	Motor Learning
EDKP 665	(3)	Motor Behaviour and Disability
EDKP 667	(3)	Sport Science - Seminar
EDKP 671	(3)	Experimental Problems
EDKP 672	(6)	Experimental Problems
EDKP 695	(3)	Thesis Research 5
EDKP 696	(3)	Thesis Research 6

Students may also take courses from the Faculty of Science chosen in consultation with the a.487 T6 49 571.981 Tm(HumeC1 0 0 1 235.661 s 34ace 4ot00 3n571.981 T

EDPE 575	(3)	Educational Measurement
EDSL 630	(3)	Qualitative/Ethnographic Methods

12 credits selected from the following:

EDKP 504	(3)	Health & Lifestyle Education
EDKP 603	(6)	Individual Reading Course 1
EDKP 607	(3)	Curriculum Innovation and Change
EDKP 616	(3)	Individual Reading Course 2
EDKP 648	(3)	Physical Activity Psychology
EDKP 650	(3)	Research in Physical Education Pedagogy
EDKP 654	(3)	Sport Psychology
EDKP 655	(3)	Inclusive Physical Activity
EDKP 664	(3)	Motor Learning
EDKP 665	(3)	Motor Behaviour and Disability
EDKP 671	(3)	Experimental Problems
EDKP 672	(6)	Experimental Problems

Students may also tak

EDKP 542	(3)	Environmental Exercise Physiology
EDKP 553	(3)	Physical Activity Assessments
EDKP 566	(3)	Advanced Biomechanics Theory
EDKP 603	(6)	Individual Reading Course 1
EDKP 616	(3)	Individual Reading Course 2
		Human W

---

**19.2 Graduate and Postdoctoral Studies**

**19.2.1 Administrative Officers**

## **Agricultural and Environmental Sciences**

*section 14.11.8: Plant Science*

## **Arts**

*section 15.11.1: Anthropology*

*section 15.11.2: Art History*

Classics, see *section 15.11.12: History and Classical Studies*

*section 15.11.4: Communication Studies*

*section 15.11.5: East Asian Studies*

*section 15.11.6: Economics*

*section 15.11.7: English*

*section 15.11.8: French Language and Literature*

*section 15.11.9: Geography*

*section 15.11.10: German Studies*

*section 15.11.11: Hispanic Studies*

*section 15.11.12: History and Classical Studies*

*section 15.11.13: Institute for the Study of International Development*

*section 15.11.14: Islamic Studies*

*section 15.11.15: Italian Studies*

*section 15.11.16: Jewish Studies*

*section 15.11.17: Linguistics*

*section 15.11.18: Mathematics and Statistics*

*section 15.11.19: Philosophy*

*section 15.11.20: Political Science*

*section 15.11.21: Psychology*

*section 15.11.23: Russian and Slavic Studies*

*section 15.11.24: Social Studies of Medicine*

*section 15.11.25: Social Work*

*section 15.11.26: Sociology*

## **Dentistry**

*section 16.11.1: Dentistry*

## **Desautels Faculty of Management**

*section 17.11: Desautels Faculty of Management*

## **Education**

*section 18.11.1: Educational and Counselling Psychology*

*section 18.11.2: Information Studies*

*section 18.11.3: Integrated Studies in Education*

*section 18.11.4: Kinesiology and Physical Education*

## **Engineering**

*section 19.11.1: Architecture*

## **Engineering**

*section 19.11.2: Chemical Engineering*

*section 19.11.3: Civil Engineering and Applied Mechanics*

*section 19.11.4: Electrical and Computer Engineering*

*section 19.11.5: Mechanical Engineering*

*section 19.11.6: Mining and Materials Engineering*

*section 19.11.7: Urban Planning*

## **Law**

*section 20.11.1: Law*

## **McGill School of Environment**

*section 21.11.1: Environment*

## **Medicine**

*section 22.11.1: Anatomy and Cell Biology*

*section 22.11.2: Biochemistry*

*section 22.11.3: Bioethics*

*section 22.11.4: Biomedical Engineering*

*section 22.11.5: Communication Sciences and Disorders*

*section 22.11.6: Epidemiology and Biostatistics*

Experimental Medicine, see *section 22.11.10: Medicine, Experimental*

*section 22.11.8: Human Genetics*

*section 22.11.9: Medical Physics*

*section 22.11.11: Microbiology and Immunology*

*section 22.11.12: Neuroscience (Integrated Program in)*

*section 23.11.1: Nursing*

*section 22.11.13: Occupational Health*





**The following master's degrees are offered (*see below for more information about sub-specializations*):**

**Prerequisites:**

Master of Manufacturing Management (M.M.M.)

See Management.

Master of Education (M.Ed.)

A 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.

Bachelor of Engineering or equiv

Mathematics and Statistics (Thesis and Non-Thesis)

Music (Thesis and Non-Thesis)

Philosophy; option in Bioethics

Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)

Psychology

Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies

Russian

Sociology (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), Environment, Gender and Women's Studies (Thesis and Non-Thesis), Medical Sociology (Thesis and Non-Thesis), Social Statistics (Non-Thesis), Neotropical Environment

### **Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

Finance

Global Strategy and Leadership

Marketing

Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

M.B.A. with M.D.,C.M.

M.B.A. with B.C.L. and LL.B.

Master of Manufacturing Management (see Management and Mechanical Engineering)

### **Master's Degrees in Education**

Three types of master's degrees are offered: M.A. (Thesis and Non-Thesis), M.Ed. (Non-Thesis) and M.Sc. (Thesis and Non-Thesis).

The M.A. may be taken in the following areas:

**Master's Degrees in Law**

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

**Master of Library and Information Studies Degree**

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

**Master's Degrees in Music**

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

**Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

**Master's Degrees in Religious Studies**

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.

**Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering

Medical Radiation Physics  
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine  
Microbiology and Immunology  
Microbiology (Macdonald Campus); option in Environment  
Mining and Materials Engineering  
Neuroscience  
Nursing  
Otolaryngology  
Parasitology; options in Bioinformatics, and Environment  
Pathology  
Pharmacology and Therapeutics; option in Chemical Biology  
Physics  
Physiology; option in Bioinformatics  
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment  
Psychiatry  
Psychology  
Rehabilitation Sciences (Thesis and Non-Thesis)  
Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment  
Surgery, Experimental

### **Master of Science, Applied, Degrees**

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

Programs are available in:

Animal Science  
Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment  
Biotechnology  
Chemistry  
Communication Sciences and Disorders  
Human Nutrition  
Nursing  
Occupational Health  
Occupational Therapy  
Plant Science  
Physical Therapy

Other degrees:

Master of Science, Applied (OT)  
Master of Science, Applied (PT)

### **Master of Social Wy**

**The following doctoral degrees are offered (see below for more information about sub-specializations): Prerequisites:**

Doctor of Music (D.Mus.)

M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.

Doctor of Philosophy (Ph.D.)

An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.

### **Doctor of Civil Law Degrees**

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

### **Doctor of Music Degrees**

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

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

### **Doctor of Philosophy Degrees**

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

Anatomy and Cell Biology

Animal Science; option in Bioinformatics

Anthropology; option in Neotropical Environment

Architecture

Art History; option in Gender and Women's Studies

Atmospheric and Oceanic Sciences

Biochemistry; options in Bioinformatics, and Chemical Biology

Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment

Biomedical Engineering; option in Bioinformatics

Bioresource Engineering; options in Environment, and Neotropical Environment

Chemical Engineering

Chemistry; option in Chemical Biology

Civil Engineering and Applied Mechanics

Classics

Communication Studies; option in Gender and Women's Studies

Communication Sciences and Disorders; option in Language Acquisition

Computer Science; option in Bioinformatics

Counselling Psychology

Earth and Planetary Sciences; option in Environment

Economics

Educational Psychology

Educational Studies; option in Gender and Women's Studies

Electrical Engineering

English

Entomology; options in Environment, and Neotropical Environment

Epidemiology and Biostatistics

Food Science and Agricultural Chemistry

French; option in Gender and Women's Studies

Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment

German

Hispanic Studies

History

Human Genetics; option in Bioinformatics

Human Nutrition

Information Studies

Isl7logy



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 Calendar 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 mark of B- or better, all those courses which 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 course work (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 de

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 marks reported to Graduate and Postdoctoral Studies **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 English and 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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

## **19.5.3 Ad Hoc Programs**

***In exceptional cases***, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer graduate programs, may be admitted to an *Ad Hoc* program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document "Procedures for Admission in *Ad Hoc* Master's and Doctoral Programs



---

## 19.6 General Admission for Graduate Studies



**Note:** The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

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

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

**Deadline:** Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

### 19.6.1 Application for Admission

Application information and the online application form are available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply). Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent **directly** to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, 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 \$100 in Canadian funds **must** accompany each application, otherwise **it cannot be submitted**. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only.

**Graduate Management Admissions Test (GMAT)**

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions

### 19.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are **never** permitted to pursue two **full-time** degree programs concurrently.

### 19.6.8 Admission to an Ad Personam Joint Program

*Ad Personam* joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the "first department". 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 by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfil the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

### 19.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an *Ad Hoc* program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an *Ad Hoc* program, it must receive a favourable report from a departmental committee constituted to examine the program in question.

Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

### 19.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.

*Revised – Council of February 9, 2004.*

### 19.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

---

## 19.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies  
 (Fellowships and Awards Section)  
 James Administration Building, Room 400  
 845 Sherbrooke Street West  
 Montreal, QC H3A 2T5  
 Telephone: 514-398-3990  
 Fax: 514-398-2626  
 Email: [graduate.fellowships@mcgill.ca](mailto:graduate.fellowships@mcgill.ca)  
 Website: [www.mcgill.ca/gps/students](http://www.mcgill.ca/gps/students) (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: <http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwhimpl/js/html/wwhelp.htm>

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The *Gr*

[www.mcgill.ca/files/gps/Commitments\\_of\\_Postdoctoral\\_Scholars\\_and\\_Supervisors\\_July\\_09.pdf](http://www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf)). 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 Graduate and Postdoctoral Studies General Information [section 14.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#)). 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.

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 o 679.h opegraduacD.028 Tw861 8.1 Tf1 0 0 1 81.693 180.1 T65(ged fej/F1 8.1 Tf( to includreby ocs

– 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 *General Information, Regulations and Research Guidelines* Calendar of Graduate and Postdoctoral Studies;

– to submit a complete file for registration to Graduate and Postdoctoral Studies;

– 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*

### **19.8.3 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. Fund Twdocs reoO Tm(om(v)Tj1 0 0 0 728.42 473.541 wships)Tjfor rese gratudetip Cadura(ord an additioTm(v)Tj1 0 0 7 7378.42 473.541 Tm(acion



**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;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- 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);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

---

## 19.9 Graduate Studies Guidelines and Policies

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



**Note:** The University Exam Regulations governed by the [section 2.16: University Student Assessment Policy](#) (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at [www.mcgill.ca/students/exams/regulations](http://www.mcgill.ca/students/exams/regulations). The revised Regulations will be published in the *University Regulations and Resources* section of the 2012-2013 *Programs, Courses and University Regulations* publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

### 19.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below apply to: Tm(emo Engli4.1)Tj-0.012 Tw/F1 8.1 Tf0 0 publicatio

**v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g**



The following is a summary of the main elements of the new **mandatory** policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhausti

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

**ii. Plagiarism**

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.
5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become **higher or lower or remain unchanged**. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

*Prepared by the Committee on Graduate Programs, Supervision and Teaching*

*Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995*

#### **19.9.6 Health and Parental/Familial Leave of Absence Policy**

A leav

---

## **19.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees* 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.

### **19.10.1 Policy on Research Ethics**

Please refer to the Policy on Research Ethics available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

### **19.10.2 Regulations on Research Policy**

Please refer to the Regulations on Research Policy available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

### **19.10.3 Policy on Research Integrity**

Please refer to the Policy on Research Integrity available at: [www.mcgill.ca/research/about/integrity](http://www.mcgill.ca/research/about/integrity).

### **19.10.4 Guidelines for Research Involving Human Subjects**

Please refer to the guidelines for research involving human subjects available at: [www.mcgill.ca/research/researchers/compliance/human](http://www.mcgill.ca/research/researchers/compliance/human).

### **19.10.5 Guidelines for Research with Animal Subjects**

Please refer to the guidelines for research involving animal subjects available at: [www.mcgill.ca/research/researchers/compliance/animal](http://www.mcgill.ca/research/researchers/compliance/animal).

### **19.10.6 Policy on Intellectual Property**

Please refer to the Polic

## 19.11.1 Architecture

### 19.11.1.1 Location

School of Architecture  
Macdonald-Harrington Building  
815 Sherbrooke Street West  
Montreal, QC H3A 2K6  
Canada

Telephone: 514-398-6700

Fax: 514-398-7372

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

### 19.11.1.2 About Architecture

M.Arch. (Professional) (Non-Thesis), M.Arch. (Post-professional) (Non-Thesis), Ph.D.

The School of Architecture at McGill University offers a professional Master of Architecture program, a post-professional Master of Architecture program, and a Ph.D. program. The M.Arch. (Professional) requires the equivalency of the B.Sc. (Architecture) degree for admittance. There are two options for the completion of this CACB-accredited degree: Design Studio (45 credits) and Design Studio Directed Research (60 credits). The M.Arch. (Post-professional) and the Ph.D. programs are for study beyond the professional degree in architecture. These programs have been conceived to respond to the needs of graduates with some professional experience who wish to acquire more specialized knowledge in architecture. The M.Arch. (Post-professional) program reflects a McGill tradition of academic inquiry and research, and provides an opportunity for a select number of students and staff to work together. The program is organized in such a way as to meet the needs of the professional practitioner and the researcher, and is intended to extend traditional architectural education as well as address new issues.

The M.Arch. (Professional) program is accredited by the Canadian Architectural Certification Board (CACB), and is recognized as accredited by the National Council of Architectural Registration Boards (NCARB) in the U.S.

There are three areas of study in the M.Arch. (Post-professional) and Ph.D. programs: Architectural History and Theory, Cultural Mediations and Technology

*section 19.11.1.6: Master of Architecture (M.Arch.); Professional (Non-Thesis) — Design Studio-Directed Research (60 credits)*

in the application form. Complementary and elective courses are approved in consultation with the adviser. For further information regarding admission

**19.11.1.3 Architecture Admission Requirements and Application Procedures****19.11.1.3.1 Admission Requirements****M.Arch. (Professional) Program (Non-Thesis)**

Applicants holding the McGill B.Sc.(Arch.) degree, or equivalent, with a cumulative grade point average of at least 3.0 on a scale of 4.0, are eligible to apply for admission.

**M.Arch. (Post-professional) (Non-Thesis)**

Applicants holding an accredited professional degree in architecture, or equivalent, with a cumulative grade point average of at least 3.0 on a scale of 4.0, are eligible to apply for admission. In special cases, candidates with a degree in a related field may be considered.

**Ph.D.**

Candidates with high standing in McGill's M.Arch. (Post-professional), or who hold an equivalent degree from another university, are eligible to apply to this program. Those who do not have an appropriate background in the chosen research area may be recommended for the M.Arch. (Post-professional) program. Candidates who have an adequate background at the post-professional master's level in the proposed area of research will be admitted to Ph.D. 2 with the stipulation of additional courses from the M.Arch. (Post-professional) curriculum, if necessary.

A working knowledge of a language or languages relevant to the area of research is required.

**19.11.1.3.2 Application Procedures****Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.



**Note:** We do not consider any applications to be admitted for the Summer term.

**Professional Master of Architecture:**

McGill B.Sc.(Arch.) Graduates:

1. Completed online application form accessible from the School's website at [www.mcgill.ca/architecture](http://www.mcgill.ca/architecture) or from [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply) (due January 15).
2. A non-refundable application fee of CAD\$100.
3. Summary of work experience (please use the following): [Work experience form](#) [.pdf]\*.



**Note:** Your employer's signature is required along with the company business card. We do NOT require the Director's signature.

4. Résumé or CV.
5. A two-page (maximum) research statement indicating the general area of interest (e.g., History/Theory/Culture; Digital Technologies; Urban Design and Housing; Environmental Practices), your understanding of this area of study, faculty expertise, and research intention in terms of topic and project-based investigation. Specific references to expertise within the School are encouraged.
6. An indication of preference for either the Design Studio Concentration (three-term, 45-credit) or the Design Studio Directed Research Concentration (four-term, 60-credit).
7. A comprehensive portfolio (8½" x 11" format, due no later than **February 1**) that includes the following:
  - selected work from all previous design studios (please complete using one of the following): [Studio Project Description Form](#) [.pdf]\* or [Studio Project Description Form](#) [.doc]\*;
  - examples of project work from other courses;
  - examples of freehand drawing and sketching (from the Freehand Drawing courses, Sketching School, Summer courses, and independent travel and study);
  - examples of professional work: sketches, drawings, images of models, photographs of built work (professional work includes work carried out while employed in architects' offices, as well as personal projects; please identify the architect(s) and your own roles in each project illustrated).

Others:

1. Completed online application form accessible from the School's website at [www.mcgill.ca/architecture](http://www.mcgill.ca/architecture) or from [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply) (due January 15).
2. A non-refundable application fee of CAD\$100.
3. Summary of work experience (please use the following): [Work experience form](#) [.pdf]\*.



**Note:** Your employer's signature is required along with the company business card. We do NOT require the Director's signature.

4. Résumé or CV.
5. A two-page (maximum) research statement indicating the general area of interest (e.g., History/Theory/Culture; Digital Technologies; Urban Design and Housing; Environmental Practices), your understanding of this area of study, faculty expertise, and research intention in terms of topic and project-based investigation. Specific references to expertise within the School are encouraged.



6. An indication of preference for either the Design Studio Concentration (three-term, 45-credit) or the Design Studio Directed Research Concentration (four-term, 60-credit).
7. Two sets of official transcripts sent directly by the registrars of all universities attended.
8. Two confidential letters of reference sent directly by the referees to the School of Architecture (please use one of the following): *Confidential Report on Applicant Form* [.pdf]\* or *Renseignements confidentiels sur le candidat* [.pdf]\*.

**Or (electronic option):**

Letters may be sent electronically (via email) and will be accepted if sent by University Career Centres, Electronic Portfolio Management Companies, and other document storage services. Letters sent electronically must meet the following conditions:

- The email communicating the electronic letter must be sent from a valid institutional or corporate email address (domain). Electronic letters sent from public domain addresses such as Hotmail, Gmail, Yahoo Mail, or Videotron, etc., cannot be accepted.
- The electronic letters must be specific as to which program the student has applied to, and include information that would aid an admissions committee in making an informed decision.
- Letters of reference (electronic and hard copy) must be dated and must not be more than 12 months old.
- The referee must indicate his/her position and full contact information at the institution.
- Electronic letters sent from a Career Centre or Portfolio Management Company must state that the letters are confidential.

Please refer to the web page: [www.mcgill.ca/gradapplicants/apply/prepare/checklist/documents](http://www.mcgill.ca/gradapplicants/apply/prepare/checklist/documents).

9. Course calendar descriptions of previous college and/or uni

Letters may be sent electronically via email (Post-professional M.Arch. or Ph.D.) and will be accepted if sent by university Career Centres, Electronic Portfolio Management Companies, and other document storage services. Letters sent electronically must meet the following conditions:

- The email communicating the electronic letter must be sent from a v

**Associate Professors**

Michael Jemtrud; B.A., B.Sc., B.Arch.(Penn. St.), M.Arch.(McG.), M.R.A.I.C.

Robert Mellin; B.Arch., M.Sc.(Arch.)(Penn.), M.Arch.(McG.), M.Sc., Ph.D.(Penn.), F.R.A.I.C., N.A.A.

Pieter Sijpkens; B.Sc.(Arch.), B.Arch.(McG.)

**Assistant Professors**

Nik Luka; B.A.A.(Ryerson), M.Arch.(Laval), Ph.D.(Tor.), M.C.I.P.

Aaron Sprecher; B.Arch.(Bezalel), M.Arch.(Calif.-LA)

**Planetary Society Visiting Professor in Architecture**

Torben Berns; B.Arch.(Car.), M.Arch., Ph.D.(McG.)

**Adjunct Professors**

Robert Claiborne, Howard Davies, François Emond, Julia Gersovitz, Phyllis Lambert, Maria Mingallon, Joanna Nash, Mark Poddubiuk, Conor Sampson, Jozef Zorko

**Course Lecturers**

Tom Balaban, Sinisha Brdar, Christina Contandriopoulos, Nancy Dunton, Leila Marie Farah, Matt Fisher, Ron Jelaco, Maria Elisa Navarro Morales, Suresh Perera, Sevag Pogharian, Pierina Saia

**19.11.1.5 Master of Architecture (M.Arch.); Professional (Non-Thesis) — Design Studio (45 credits)**

This concentration requires a minimum of three terms (45 credits) for completion according to an intensive design studio-based curriculum. This option is a three-term consecutive degree (Fall, Winter, Summer) that requires full-time residence for one academic year.

**Required Courses (30 credits)**

ARCH 550	(3)	Urban Planning and Development
ARCH 672	(6)	Architectural Design 1
ARCH 673	(6)	Architectural Design 2
ARCH 674	(3)	Professional Practice 1
ARCH 677	(6)	Architectural Design 3
ARCH 678	(3)	Advanced Construction
ARCH 680	(3)	Field Sketching

**Complementary Courses**

9-15 credits selected as follows:

Group A:

6 credits of advanced-level seminars must be chosen from Group A.

ARCH 525	(3)	Seminar on Analysis and Theory
ARCH 531	(3)	Architectural Intentions Vitruvius - Renaissance
ARCH 532	(3)	Origins of Modern Architecture
ARCH 626	(4)	Critical Design Strategies
ARCH 684	(4)	Contemporary Theory 1
ARCH 685	(4)	Contemporary Theory 2

Group B:

3 credits chosen from Group B.

ARCH 512	(3)	Architectural Modelling
ARCH 514	(4)	Community Design Workshop
ARCH 515	(3)	Sustainable Design
ARCH 520	(3)	Montreal: Urban Morphology
ARCH 521	(3)	Structure of Cities
ARCH 522	(3)	History of Domestic Architecture in Quebec
ARCH 523	(3)	Significant Texts and Buildings
ARCH 526	(3)	Philosophy of Structure

## Complementary Courses

(12-20 credits)

Group A:

6 credits chosen from the following courses:

ARCH 525	(3)	Seminar on Analysis and Theory
ARCH 531	(3)	Architectural Intentions Vitruvius - Renaissance
ARCH 532	(3)	Origins of Modern Architecture
ARCH 561	(3)	Affordable Housing Seminar 1
ARCH 562	(3)	Affordable Housing Seminar 2
ARCH 602	(4)	Urban Design Seminar 1
ARCH 604	(4)	Urban Design Seminar 2
ARCH 684	(4)	Contemporary Theory 1
ARCH 685	(4)	Contemporary Theory 2

Group B:

6 credits chosen from the following courses:

ARCH 512	(3)	Architectural Modelling
ARCH 514	(4)	Community Design Workshop
ARCH 515	(3)	Sustainable Design
ARCH 517	(3)	Sustainable Residential Development
ARCH 520	(3)	Montreal: Urban Morphology
ARCH 521	(3)	Structure of Cities
ARCH 522	(3)	History of Domestic Architecture in Quebec

Signifi

ARCH 566	(3)	Cultural Landscapes Seminar
ARCH 602	(4)	Urban Design Seminar 1
ARCH 604	(4)	Urban Design Seminar 2
ARCH 622	(3)	Critical Writing
ARCH 627	(4)	Research Methods for Architects
ARCH 679	(3)	Writing in Architecture
ARCH 680	(3)	Field Sketching
ARCH 684	(4)	Contemporary Theory 1
ARCH 685	(4)	Contemporary Theory 2
ARCH 688	(3)	Directed Research 1
ARCH 689	(3)	Directed Research 2

Note: Courses taken are to be used to fulfil one group only.

Unless otherwise indicated, the above courses are restricted to students in the professional area.

### Elective Courses

(0-8 credits)

A maximum of 8 credits may be completed outside the School of Architecture (500- or 600-level electives) with the approval of an assigned faculty adviser.

#### 19.11.1.7 Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Architectural History and Theory (45 credits)

The program consists of three semesters of coursework to be completed in 12 months. Intensive weekly seminars held during the first two terms focus on architectural history and theory. ARCH 623 (Project Preparation), taken during the second semester, culminates in a project. The studio themes engage urban issues critically, raising questions of program, form, and representation. A final document includes the project plus three papers.

#### Research Project (15 credits)

ARCH 624	(15)	History and Theory Project
----------	------	----------------------------

#### Required Courses (30 credits)

ARCH 622	(3)	Critical Writing
ARCH 623	(3)	Project Preparation
ARCH 650	(8)	Architectural History Seminar 1
ARCH 651	(8)	Architectural History Seminar 2
ARCH 652	(4)	Architectural Theory Seminar 1
ARCH 653	(4)	Architectural Theory Seminar 2

#### 19.11.1.8 Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Cultural Mediations and Technology (45 credits)

Drawing on methods in philosophy, media studies, cultural landscapes, vernacular architecture studies, and material culture, students in this option study the ways in which we conceptualize and realize the built world. How are architectural practices mediated by their broader contexts?

The program consists of three semesters of coursework, to be completed in 12 months. Intensive weekly seminars held during the first two terms focus on contemporary theory and research methods. ARCH 647 Cultural Mediations and Technology Studio is taken in tandem with ARCH 623 Project Preparation during the Winter term, culminating in the Research Report (ARCH 629).

#### Research Report (15 credits)

ARCH 629	(15)	Cultural Mediations and Technology Research Report
----------	------	--

#### Required Courses (21 credits)

ARCH 623	(3)	Project Preparation
----------	-----	---------------------

ARCH 627	(4)	Research Methods for Architects
ARCH 647	(6)	Cultural Mediations and Technology Studio
ARCH 684	(4)	Contemporary Theory 1
	1o4)	Contemporary Theory 2

ARCH 566	(3)	Cultural Landscapes Seminar
ARCH 622	(3)	Critical Writing
ARCH 680	(3)	Field Sketching
URBP 501	(2)	Principles and Practice 1
URBP 504	(3)	Planning for Active Transportation
URBP 505	(3)	Geographic Information Systems
URBP 506	(3)	Environmental Policy and Planning
URBP 530	(3)	Urban Environmental Planning
URBP 536	(1)	Transportation Seminar 1
URBP 537	(1)	Transportation Seminar 2
URBP 538	(1)	Transportation Seminar 3
URBP 616	(3)	Selected Topics 1
URBP 617	(3)	Selected Topics 2
URBP 618	(3)	Selected Topics 3
URBP 619	(3)	Land Use and Transportation Planning
URBP 620	(3)	Transportation Economics
URBP 621	(3)	Theories of Urban Form
URBP 625	(2)	Principles and Practice 2
URBP 626	(2)	Principles and Practice 3
URBP 629	(3)	Cities in a Globalizing World

#### 19.11.1.10 Doctor of Philosophy (Ph.D.); Architecture

##### Thesis

##### Required Courses

ARCH 700	(0)	Dissertation Proposal
ARCH 701	(0)	Comprehensive Oral Examination
ARCH 702	(0)	Progress Report 1
ARCH 703	(0)	Progress Report 2

#### 19.11.2 Chemical Engineering

##### 19.11.2.1 Location

Department of Chemical Engineering  
M.H. Wong Building  
3610 University Street  
Montreal, QC H3A 2B2  
Canada

Telephone: 514-398-4494

Fax: 514-398-6678

Email: [info.chemeng@mcgill.ca](mailto:info.chemeng@mcgill.ca)

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

##### 19.11.2.2 About Chemical Engineering

The Department offers programs leading to the Master of Engineering and the Doctor of Philosophy degrees.



The Department's offices and research laboratories are located in the M.H.

*section 19.11.2.8: Doctor of Philosophy (Ph.D.); Chemical Engineering*

The Ph.D. is a research degree requiring few courses and an extensiv

**Associate Professors**

M. Maric; B.Eng.Mgt.(McM.), Ph.D.(Minn.), P.Eng.  
 J.-L. Meunier; D.Ing.(E.P.F.L.), M.Sc., Ph.D.(I.N.R.S.), Eng.  
 S. Omanovic; B.Sc., Ph.D.(Zagreb)  
 T.M. Quinn; B.Sc.(Qu.), S.M., Ph.D.(MIT), Jr. Eng. (*CRC-Tier I*)  
 P. Servio; B.A.Sc., Ph.D.(Br. Col.) (*CRC-Tier II*)  
 N. Tufenkji; B.Eng.(McG.), M.Sc., Ph.D.(Yale), Jr. Eng. (*CRC-Tier II*)  
 V. Yargeau; B.Ch.E., M.Sc.A., Ph.D.(Sher.), Eng.

**Assistant Professors**

P.-L. Girard-Lauriault; B.Sc.(Montr.), Ph.D.(École Poly., Montr.)  
 J. Gostick; B.Eng.(Ryerson), M.A.Sc., Ph.D.(Wat.)  
 E. Jones; B.A.Sc.(Wat.), M.S., Ph.D.(Cal. Tech.) Jr. Eng. (*CRC-Tier II*)  
 A. Kietzig; Dipl.Ing.(TU Berlin), Ph.D.(Br. Col.)

**Paprican Adjunct Professor**

G.J. Kubes; B.Sc., M.Sc.(Prague), Ph.D.(Bratislava), P.Eng.

**Adjunct Professors**

T. Addona, P. Bisailon, M. Davidovsky, A. DeMori, D. Dionne, M. Fokas, M. Mirmehrabi, M. Perrier, N. Peters, B. Sarkis, J. Simandl, S. Tadayon

**19.11.2.5 Master of Engineering (M.Eng.); Chemical Engineering (Thesis) (45 credits)****Thesis Courses (31 credits)**

CHEE 697	(6)	Thesis Proposal
CHEE 698	(12)	Thesis Research 1
CHEE 699	(13)	Thesis Research 2

**Required Courses (2 credits)**

CHEE 681	(1)	Laboratory Safety 1
CHEE 682	(1)	Laboratory Safety 2

**Complementary Courses (12 credits)**

3-4 credits of Chemical Engineering courses at the 500, 600, or 700 level.

4 credits from the following:

CHEE 611	(4)	Heat and Mass Transfer
CHEE 621	(4)	Thermodynamics
CHEE 631	(4)	Foundations of Fluid Mechanics
CHEE 641	(4)	Chemical Reaction Engineering
CHEE 651	(4)	Advanced Biochemical Engineering
CHEE 662	(4)	Computational Methods
CHEE 672	(4)	Process Dynamics and Control

4-5 credits of Chemical Engineering or other Engineering or Science courses at the 500, 600, or 700 level.

**19.11.2.6 Master of Engineering (M.Eng.); Chemical Engineering (Non-Thesis) (45 credits)****Research Project**

Project (design or research): 6 - 12 credits.

6 credits must include the following course:

CHEE 695 (6) Project in Chemical Engineering

**Complementary Courses**

33-39 credits (a minimum of 18 credits in Chemical Engineering) at the 500, 600, or 700 level.

9 credits must be in an area of concentration

12 additional courses at the 500, 600, or 700 level.

**19.11.2.7 Master of Engineering (M.Eng.); Chemical Engineering (Non-Thesis) — Environmental Engineering (45 credits)****Research Project (6 credits)**

CHEE 695 (6) Project in Chemical Engineering

**Required Courses (6 credits)**

CHEE 591 (3) Environmental Bioremediation

CIVE 615 (3) Environmental Engineering Seminar

**Complementary Courses (22 credits)**

Minimum of 22 credits

**Data analysis course: (3 credits)**

AEMA 611 (3) Experimental Designs 1

CIVE 555 (3) Environmental Data Analysis

PSYC 650 (3) Advanced Statistics 1

**Toxicology: (3 credits)**

OCCH 612 (3) Principles of Toxicology

OCCH 616 (3) Occupational Hygiene

**Water pollution engineering: (4 credits)**

CIVE 651 (4) Theory: Water / Wastewater Treatment

CIVE 652 (4) Biological Treatment: Wastewaters

CIVE 660 (4) Chemical and Physical Treatment of Waters

**Air pollution engineering: (3 credits)**

CHEE 592 (3) Industrial Air Pollution Control

MECH 534 (3) Air Pollution Engineering

**Soil and water quality mana**

## 19.11.3 Civil Engineering and Applied Mechanics

### 19.11.3.1 Location

Department of Civil Engineering and Applied Mechanics  
Macdonald Engineering Building  
817 Sherbrooke Street West  
Montreal, QC H3A 2K6  
Canada

Telephone: 514-398-6858  
Fax: 514-398-7361  
Email: [gradinfo.civil@mcgill.ca](mailto:gradinfo.civil@mcgill.ca)  
Website: [www.mcgill.ca/civil](http://www.mcgill.ca/civil)

### 19.11.3.2 About Civil Engineering and Applied Mechanics

Advanced courses of instruction and laboratory facilities are available for engineering graduate students desiring to proceed to the degrees of **M.Eng., M.Sc. and Ph.D.**

Graduate studies and research are at present being conducted in the fields of structures and structural mechanics, infrastructure rehabilitation, risk engineering, fluid mechanics and hydraulics, materials engineering, soil behaviour, soil mechanics and foundations, water resources engineering, environmental engineering, and transportation engineering.

#### **M.Eng. in Civil Engineering**

The master's degree can be pursued as a research degree (thesis) or as a coursework-based degree (project). The thesis degree is for those who wish to undertake research while the project degree is for those who wish to have a broader and more specialized training in civil engineering.

#### *section 19.11.3.5: Master of Engineering (M.Eng.); Civil Engineering (Thesis) (45 credits)*

Students obtain a deeper understanding of their area of specialty through courses selected with their supervisor. A two- to three-semester independent research project is undertaken in the field of structures and structural mechanics, infrastructure rehabilitation, risk engineering, fluid mechanics and hydraulics, materials engineering, soil behaviour, soil mechanics and foundations, water resources engineering, environmental engineering, or transportation engineering.

#### *section 19.11.3.6: Master of Science (M.Sc.); Civil Engineering (Thesis) (45 credits)*

Candidates with a bachelor's degree in a discipline other than Engineering, such as Science or Arts, may be accepted into a M.Sc. program in the Department. Such students would typically study in the fluid mechanics, water resources, or environmental engineering areas, and would follow the Thesis option program.

#### *section 19.11.3.7: Master of Engineering (M.Eng.); Civil Engineering (Non-Thesis) (45 credits)*

This is primarily a coursework degree with a small independent project.

#### *section 19.11.3.8: Master of Engineering (M.Eng.); Civil Engineering (Non-Thesis) — Environmental Engineering (45 credits)*

This program is offered to students with a university undergraduate degree in engineering who desire graduate education in the environmental engineering field. This non-thesis option is within the context of the existing M.Eng. (Project option) programs currently offered in the Departments of Bioresource Engineering (Agricultural and Environmental Sciences), Chemical Engineering, Civil Engineering, and Mining, Metals, and Materials Engineering. This program emphasizes interdisciplinary fundamental knowledge courses, practical applications in diverse environmental contexts, and functional skills needed for solving environmental problems through a wide range of technical and non-technical courses offered by collaborating departments and faculties at the University. Candidates must possess a bachelor's degree in engineering. The Environmental Engineering Option is administered by the Faculty of



### **Associate Professors**

R. Gehr; B.Sc.(Eng.)(Witw.), M.A.Sc., Ph.D.(Tor.), P.Eng.

S. Ghoshal; B.C.E.(India), M.S.(Missouri), Ph.D.(Carn. Mell), P.Eng.

G. McClure; B.Ing.(Montr.), S.M.C.E.(MIT), Ph.D.(Montr.), Eng.

M.A. Meguid; B.Sc.(Cairo), M.Sc., Ph.D.(W. Ont.), P.Eng

C. Rogers; B.A.Sc., M.A.Sc.(Wat.), Ph.D.(Syd.), P.Eng.

Y. Shao; B.Sc., M.S.(Tongji), Ph.D.(N'western), P.Eng.

### **Assistant Professors**

A.J. Boyd; B.Sc.Eng.(New Br.), M.A.Sc.(Tor.), Ph.D.(Br. Col.), P.Eng., F.A.C.I.

N. Eluru; B.Sc.(Indian IT), M.Sc. Ph.D.(Texas-Austin)



CIVE 634	(6)	Thesis Research 5
CIVE 635	(6)	Thesis Research 6

### Required Course

1 credit:

CIVE 662	(1)	Masters Research Seminar
----------	-----	--------------------------

### Complementary Courses (17 credits)

A minimum of five courses at the 500 or 600 level, with at least 8 credits at the 600 level.

#### 19.11.3.7 Master of Engineering (M.Eng.); Civil Engineering (Non-Thesis) (45 credits)

### Research Project

(5-15 credits)

Credit for the project may vary between 5 and 15 credits, depending on the amount of work involved. Project courses are chosen from the following:

CIVE 691	(1)	Research Project 1
CIVE 692	(2)	Research Project 2
CIVE 693	(3)	Research Project 3
CIVE 694	(4)	Research Project 4
CIVE 695	(5)	Research Project 5
CIVE 696	(6)	Research Project 6
CIVE 697	(7)	Research Project 7

### Complementary Courses

(30-40 credits)

A minimum of 30 credits at the 500 or 600 level, with at least 8 credits at the 600 level.

#### 19.11.3.8 Master of Engineering (M.Eng.); Civil Engineering (Non-Thesis) — Environmental Engineering (45 credits)

The program consists of a minimum of 45 credits, of which, depending on the student's home department, a minimum of 5 and a maximum of 15 may be allotted to the research project. The balance of 30 to 40 credits is earned by coursework. The Department also allows students to complete the program using a minimum of 45 credits of coursework only.

The Environmental Engineering option is administered by the Faculty of Engineering. Further information may be obtained from the P1 0 0 faculty of in3.647 275.964

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

**Toxicology:**

OCCH 505	(0)	
OCCH 612	(3)	Principles of Toxicology

**Water pollution engineering:**

CIVE 651	(4)	Theory: Water / Wastewater Treatment
CIVE 652	(4)	Biological Treatment: Wastewaters
CIVE 660	(4)	Chemical and Physical Treatment of Waters

**Air pollution engineering:**

MECH 534	(3)	Air Pollution Engineering
----------	-----	---------------------------

**Soil and water quality management:**

BREE 533	(3)	Water Quality Management
CIVE 686	(4)	Site Remediation

**Environmental impact:**

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

**Environmental policy**

URBP 506	(3)	Environmental Policy and Planning
----------	-----	-----------------------------------

**Elective Courses**

Also, 0-15 credits of graduate courses from an approved list of courses from the Faculties of Engineering, Agricultural and Environmental Sciences, La

McConnell Engineering Building, Room 602  
3480 University Street  
Montreal, QC H3A 2A7  
Canada

Telephone: 514-398-7344  
Fax: 514-398-4470  
Email: [grad.ece@mcgill.ca](mailto:grad.ece@mcgill.ca)  
Website: [www.mcgill.ca/ece](http://www.mcgill.ca/ece)

#### **19.11.4.2 About Electrical and Computer Engineering**

The Department offers programs of graduate studies leading to a degree of Master of Engineering (thesis or project/non-thesis) or Doctor of Philosophy.

The research interests and facilities of the Department are very extensive, involving more than 50 faculty members and 300 postgraduate students. The major activities are divided into the following groups: Bio-Electrical Engineering, Telecommunications and Signal Processing, Systems and Control, Integrated Circuits and Systems, Nano-Electronic Devices and Materials, Photonics Systems, Computational Electromagnetics, Power Engineering, and Intelligent Systems. The Department is equipped with state-of-the-art experimental laboratories and there are numerous multidisciplinary research projects, so students are provided with an ideal en

***section 19.11.4.6: Master of Engineering (M.Eng.); Electrical Engineering (Thesis) — Computational Science and Engineering (47 credits)***

This program is under review for 2011-2012 and may not be offered. Please inquire.

***section 19.11.4.7: Master of Engineering (M.Eng.); Electrical Engineering (Non-Thesis) (47 credits)***

The Master of Engineering degree (project option) involves nine graduate courses and an internally examined research project. The program is oriented more at professional development than the thesis option. The project is of significantly less scope than a thesis, and includes options such as a technical review, a design project, or a small-scale research project. Undertaking nine courses provides students with a very solid background in electrical and computer engineering, both in terms of breadth across the entire field and depth in the area of specialty. Graduates frequently pursue careers in research and development. A part-time program is possible.

***section 19.11.4.8: Doctor of Philosophy (Ph.D.); Electrical Engineering***

The Ph.D. degree recognizes a significant novel research contribution that is described in an externally examined thesis. Students who are admitted to this program normally have a master's degree. Research is conducted under the supervision of a faculty member. The Department provides an excellent environment for conducting research, with supervision by internationally renowned researchers and access to state-of-the-art experimental facilities. Graduates from the program most commonly pursue research and teaching careers in academia or research careers in industrial labs.

**19.11.4.3 Electrical and Computer Engineering Admission Requirements and Application Procedures**

**19.11.4.3.1 Admission Requirements**

**English Proficiency Requirement:** Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate de

## Graduate Program Director

Mark Coates

## Emeritus Professors

Eric L. Adler; B.Sc.(Lond.), M.A.Sc.(Tor.), Ph.D.(McG.), F.I.E.E.E., Eng.

Pierre R. Bélanger; B.Eng.(McG.), S.M., Ph.D.(MIT), F.I.E.E.E., Eng.

Maier L. Blostein; B.Eng., M.Eng.(McG.), Ph.D.(Ill.), F.I.E.E.E., Eng.

Clifford H. Champness; M.Sc.(Lond.), Ph.D.(McG.)

Gerry W. Farnell; B.A.Sc.(Tor.), S.M.(MIT), Ph.D.(McG.), F.I.E.E.E., Eng.

Lorne Mason; M.Eng., Ph.D.(Sask.)

Tomas J.F. Pavlasek; B.Eng., M.Eng., Ph.D.(McG.), Eng.

Nicholas C. Rumin; B.Eng., M.Sc., Ph.D.(McG.), Eng.

## Professors

Peter E. Caines; B.A.(Oxf.), D.I.C., Ph.D.(Lond.), F.R.S.C., F.I.E.E.E., F.C.I.A.R. (*James McGill Professor and Macdonald Professor*)

Lawrence Chen; B.Eng.(McG.), M.A.Sc., Ph.D.(Tor.)

James Clark; B.Sc., Ph.D.(Br. Col.) (*Associate Dean, Academic*)

Frank Ferrie; B.Eng., Ph.D.(McG.)

Francisco D. Galiana; B.Eng.(McG.), S.M., Ph.D.(MIT), F.I.E.E.E., Eng.

Vincent Hayward; Dip.d'Ing.(ENSM, Nantes), Doc.Ing.(Orsay), Eng.

Geza Joos; B.Sc.(C'dia), M.Eng., Ph.D.(McG.) (*CRC Chair*)

Peter Kabal; B.A.Sc., M.A.Sc., Ph.D.(Tor.)

Andrew G. Kirk; B.Sc.(Brist.), Ph.D.(Lond.) (*William Dawson Scholar*)

Tho Le-Ngoc; M.Eng.(McG.), Ph.D.(Ott.), F.I.E.E.E.

**Associate Professors**

Fabrice Labeau; M.S., Ph.D.(Louvain)  
 Steve McFee; B.Eng., Ph.D.(McG.)  
 Hannah Michalska; B.Sc., M.Sc.(Warsaw), Ph.D.(Lond.)  
 Milica Popovich; B.Sc.(Colo.), M.Sc., Ph.D.(N'western)  
 Ioannis Psaromiligkos; B.Sc.(Patras), M.Sc., Ph.D.(Buffalo)  
 Richard Rose; B.Sc., M.S.(Ill.), Ph.D.(GIT)  
 Ishiang Shih; M.Eng., Ph.D.(McG.)  
 Zeljko Zilic; B.Eng.(Zagreb), M.Sc., Ph.D.(Tor.)

**Assistant Professors**

François Bouffard; B.Eng., Ph.D.(McG.)  
 Vamsy Chodavarapu; B.Eng.(Osmania), M.S., Ph.D.(NYU)  
 Anas Hamoui; M.Eng.(McG.), Ph.D.(Tor.)  
 Odile Liboiron-Ladouceur; B.Eng.(McG.), M.Sc., Ph.D.(Col.)  
 Aditya Mahajan, B.Tech.(Indian IT), M.S., Ph.D.(Mich.)  
 Zetian Mi; B.A.Sc.(Beijing), M.Sc.(Iowa), Ph.D.(Mich.)  
 Sam Musallam; B.Sc., M.Sc., Ph.D.(Tor.)  
 Michael Rabbat; B.S.(Ill.), M.S.(Rice), Ph.D.(Wisc.)  
 Martin Rochette; B.A., M.Eng., Ph.D.(Laval)  
 Thomas Szkopek; B.A.Sc., M.A.Sc.(Tor.), Ph.D.(Calif.-LA)  
 Mai Vu; M.S., Ph.D.(Stan.)

**Associate Members**

Alan C. Evans, William R. Funnell, Henrietta L. Galiana, Jean Gotman, David Juncker, Robert E. Kearney, Xue Liu, Nathaniel J. Quitoriano

**Adjunct Professors**

Ray Bartnikas, Robert DiRaddo, Danny Grant, Cedric Guss, Cheng K. Jen, Irene Leszkowicz, Miguel Marin, Douglas O'Shaughnessy, Katarzyna Radecka, Anthony Rodolakis, Robert Sabourin, Joshua David Schwartz, Andras Swidan, Leszek Szczecinski, Kenneth D. Wagner, Lucan Wegrowicz

**19.11.4.5 Master of Engineering (M.Eng.); Electrical Engineering (Thesis) (46 credits)**

The M.Eng. Thesis program must be completed on a full-time basis in three years. The following requirements must be met:

**Thesis Courses (28 credits)**

ECSE 691	(4)	Thesis Research 1
ECSE 692	(4)	Thesis Research 2
ECSE 693	(4)	Thesis Research 3
ECSE 694	(4)	Thesis Research 4
ECSE 695	(4)	Thesis Research 5
ECSE 696	(4)	Thesis Research 6
ECSE 697	(4)	Thesis Research 7

Students who choose the Thesis option must register for all 28 credits during the three terms of residency.

**Complementary Courses**

(18 credits minimum)

At least six 500, 600, or 700 level courses, normally with a minimum of four ECSE 500- or 600- level courses\*

\* Under special circumstances, and subject to Departmental approval, students may be allowed to take more than two non-Departmental courses; a letter of recommendation from their supervisor outlining the reason for such an action is required.

Under no circumstances will more than three non-Departmental courses be permitted.

#### **19.11.4.6 Master of Engineering (M.Eng.); Electrical Engineering (Thesis) — Computational Science and Engineering (47 credits)**

Program under review for 2011-12 - may not be offered.

##### **Thesis Courses (28 credits)**

ECSE 691	(4)	Thesis Research 1
ECSE 692	(4)	Thesis Research 2
ECSE 693	(4)	Thesis Research 3
ECSE 694	(4)	Thesis Research 4
ECSE 695	(4)	Thesis Research 5
ECSE 696	(4)	Thesis Research 6
ECSE 697	(4)	Thesis Research 7

##### **Required Course (1 credit)**

ECSE 670D1	(.5)	Computational Science Engineering Seminar
ECSE 670D2	(.5)	Computational Science Engineering Seminar

##### **Complementary Courses (18 credits)**

(minimum 18 credits)

Six courses at the graduate level (500 or above) are required (minimum 18 credits), with a grade of B- or better. Two courses (minimum 6 credits) from List A, and two courses (minimum 6 credits) from List B. At least two of the courses taken from Lists A and B must be from outside the Department of Electrical and Computer Engineering.

##### **List A: Scientific Computer Courses**

CIVE 602	(4)	Finite Element Analysis
COMP 522	(4)	Modelling and Simulation
COMP 540	(3)	Matrix Computations
COMP 566	(3)	Discrete Optimization 1
MATH 578	(4)	Numerical Analysis 1
MATH 579	(4)	Numerical Differential Equations

##### **List B: Applications and Specialized Methods Courses**

ATOC 512	(3)	Atmospheric and Oceanic Dynamics
ATOC 513	(3)	Waves and Stability
ATOC 515	(3)	Turbulence in Atmosphere and Oceans
CIVE 572	(3)	Computational Hydraulics
CIVE 601	()	
CIVE 603	(4)	Structural Dynamics
CIVE 613	(4)	Numerical Methods: Structural Engineering
COMP 505	(3)	Advanced Computer Architecture
COMP 557	(3)	Fundamentals of Computer Graphics

COMP 558	(3)	Fundamentals of Computer Vision
COMP 567	(3)	Discrete Optimization 2
COMP 621	(4)	Program Analysis and Transformations
COMP 642	(4)	Numerical Estimation Methods
COMP 767	(4)	Advanced Topics: Applications 2
ECSE 507	(3)	Optimization and Optimal Control
ECSE 532	(3)	Computer Graphics
ECSE 547	(3)	Finite Elements in Electrical Engineering
ECSE 549	(3)	Expert Systems in Electrical Design
MATH 555	(4)	Fluid Dynamics
MATH 560	(4)	Optimization
MATH 651	(4)	Asymptotic Expansion and Perturbation Methods
MATH 761	(4)	Topics in Applied Mathematics 1
MECH 533	(3)	Subsonic Aerodynamics
MECH 537	(3)	High-Speed Aerodynamics
MECH 538	(3)	Unsteady Aerodynamics
MECH 539	(3)	Computational Aerodynamics
MECH 541	(3)	Kinematic Synthesis
MECH 545	(3)	Advanced Stress Analysis
MECH 572	(3)	Introduction to Robotics
MECH 573	(3)	Mechanics of Robotic Systems
MECH 576	(3)	Geometry in Mechanics
MECH 577	(3)	Optimum Design
MECH 610	(4)	Fundamentals of Fluid Dynamics
MECH 620	(4)	Advanced Computational Aerodynamics
MECH 632	(4)	Theory of Elasticity
MECH 642	(4)	Advanced Dynamics
MECH 650	(4)	Fundamentals of Heat Transfer
MECH 654	(4)	Compt. Fluid Flow and Heat Transfer

#### **19.11.4.7 Master of Engineering (M.Eng.); Electrical Engineering (Non-Thesis) (47 credits)**

Full-time students must complete the program in three years. A part-time program is possible. The following requirements must be met:

##### **Research Project**

(11-20 credits)

The credits assigned to the project can vary between 11 and 20 depending on the number of course credits tak



**Complementary Courses**

(27-36 credits)

At least nine 500-, 600-, or 700- level courses, normally with a minimum of six 500- or 600- level courses (ECSE only)\*

\* Under special circumstances, and subject to Departmental approval, students may be allowed to take more than three non-Departmental courses; a letter of recommendation from their supervisor outlining the reason for such an action is required.

Under no circumstance will more than four non-Departmental courses be permitted.

**19.11.4.8 Doctor of Philosophy (Ph.D.); Electrical Engineering****Thesis****Required Courses**

Design theory and methodology, design optimization; biomimetics; machine tools and systems, manufacturing processes, management and control; micro/nano machining; wear and comminution processes.

**Bioengineering**

Biomechanics, biomaterials, blood and respiratory flo

*section 17.13.1: Master of Management (M.M.M.); Manufacturing Management (Non-Thesis) (57 credits)*

In just eleven months of academic studies, M.M.M. students sharpen their expertise in supply chain and operations through an intensive program that includes:

- A challenging curriculum
- Extensi

**19.11.5.4 Mechanical Engineering Faculty**

**Chair**

G. Haller

**Associate Professors**

L. Cortelezzi; M.Sc., Ph.D.(Calif. Tech.)  
 D.L. Frost; B.A.Sc.(Br. Col.), M.S., Ph.D.(Calif. Tech.), P.Eng.  
 A.J. Higgins; B.Sc.(Ill.), M.S., Ph.D.(Wash.)  
 P. Hubert; B.Eng., M.A.Sc.(École Poly., Montr.), Ph.D.(Br. Col.), Ing. (*Canada Research Chair*)  
 J Kövecses; M.Sc.(U. Miskolc), Ph.D.(Hung. Acad. Sci.), Ing.  
 T. Lee; M.S.(Portland St.), Ph.D.(Idaho)  
 L. Lessard; B.Eng.(McG.), M.Sc., Ph.D.(Stan.), Ing.  
 R. Mongrain; B.Sc., M.Sc.(Montr.), Ph.D.(École Poly., Montr.), Ing. (*William Dawson Scholar*)  
 L. Mydlarski; B.Sc.(Wat.), Ph.D.(C' nell)  
 S. Nadarajah; B.Sc.(Kansas), M.S., Ph.D.(Stan.)  
 D. Pasini; M.Sc.(Pavia), Ph.D.(Brist.), Ing.  
 P. Radziszewski; B.Sc.(Br. Col.), M.Sc., Ph.D.(Laval), Ing.  
 I. Sharf; B.A.Sc., Ph.D.(Tor.)  
 V. Thomson; B.Sc.(Windsor), Ph.D.(McM.) (*Werner Graupe Professor of Manufacturing Automation*)  
 E.V. Timofeev; M.Sc., Ph.D.(S.T.U. St. Petersburg), Eng., A.F.A.I.A.A.  
 S. Vengallatore; B.Tech.(B.H.U), Ph.D.(MIT) (*Canada Research Chair*)  
 P.J. Zsombor-Murray; B.Eng., M.Eng., Ph.D.(McG.), Ing., F.C.S.M.E.

**Assistant Professors**

F. Barthelat; M.Sc.(Roch.), Ph.D.(N'western)  
 J. M. Bergthorson; B.Sc.(Manit.), M.Sc., Ph.D.(Calif. Tech.), P.Eng.

**Non-Tenure-Track Faculty**

H. Attia, J.A. Nemes, D. Zorbas

**19.11.5.5 Master of Engineering (M.Eng.); Mechanical Engineering (Thesis) (45 credits)**

Applicants who hold an undergraduate degree in a non-Engineering discipline – typically the Physical Sciences – may apply for the M.Sc. (Thesis) program, which is governed by the same regulations as the M.Eng. (Thesis) program.

**Thesis Courses (28 credits)**

MECH 691*	(3)	M.Eng. Thesis Literature Review
MECH 692	(4)	M.Eng. Thesis Research Proposal
MECH 693	(3)	M.Eng. Thesis Progress Report 1
MECH 694	(6)	M.Eng. Thesis Progress Report 2
MECH 695	(12)	M.Eng. Thesis

\* Note: MECH 691 must be taken in the first term of the student's program.

**Required Courses**

1 credit:

MECH 609	(1)	Seminar
----------	-----	---------

**Complementary Courses (16 credits)**

A minimum of 16 credits (500, 600, or 700 level), at least 8 of which must be from within the Faculty of Engineering. FACC courses will not count toward the complementary course credits.

**19.11.5.6 Master of Science (M.Sc.); Mechanical Engineering (Thesis) (45 credits)**

Applicants who hold an undergraduate degree in a non-Engineering discipline – typically the Physical Sciences – may apply for the M.Sc. (Thesis) program, which is governed by the same regulations as the M.Eng. (Thesis) program.

**Thesis Courses (28 credits)**

MECH 691*	(3)	M.Eng. Thesis Literature Review
MECH 692	(4)	M.Eng. Thesis Research Proposal
MECH 693	(3)	M.Eng. Thesis Progress Report 1
MECH 694	(6)	M.Eng. Thesis Progress Report 2
MECH 695	(12)	M.Eng. Thesis

\* Note: MECH 691 must be completed in the first term of the student's program.

**Required Course**

1 credit:

<del>16</del> <b>1 credit</b>	(1)	Seminar
-------------------------------	-----	---------

**Complementary Courses (16 credits)** 16 willEngtletunm o1 0 0 1 104.7553.2719 510.8422 69w 0 0 1 104.755965(g 510.8422 69ard 0 0 1 67.52 566.1453.58422

**List B - Applications and Specialized Methods Courses:**

ATOC 512	(3)	Atmospheric and Oceanic Dynamics
ATOC 513	(3)	Waves and Stability
		Turb

MECH 603	(9)	M. Eng. Project 1
MECH 604	(3)	M. Eng. Project 2
MECH 609	(1)	Seminar

Note: Industrial liaison is encouraged in these courses taken near the end of the program.

#### **Required Courses (16 credits)**

MECH 605	(4)	Applied Mathematics 1
MECH 610	(4)	Fundamentals of Fluid Dynamics
MECH 632	(4)	Theory of Elasticity
MECH 642	(4)	Advanced Dynamics

#### **Complementary Courses (16 credits)**

A minimum of 16 credits (500, 600, or 700 level) from the Faculty of Engineering may be selected by the student, based on interest and the choice of area of concentration. Courses at the graduate level from other faculties may also be taken, with prior approval from the student's project supervisor and the Graduate Program Director. A maximum of 3 credits of FACC courses at the 500, 600, or 700 level may be credited toward the degree.

#### **19.11.5.9 Master of Engineering (M.Eng.); Aerospace Engineering (Non-Thesis) (45 credits)**

The M.Eng. Aerospace Degree is offered to the students who wish to specialize in the general area of aerospace engineering. This degree is given in conjunction with Concordia University, École Polytechnique, Université Laval, Université de Sherbrooke, and École de Technologie Supérieure. Students registered at McGill are required to take two courses from two other institutions.

Depending on their background, students would specialize in one of the four areas:

1. Aeronautics and Space Engineering
2. Avionics and Control
3. Aerospace Materials and Structures
4. Virtual Environment

#### **Required Courses (9 credits)**

MECH 687	(3)	Aerospace Case Studies
MECH 688	(6)	Industrial Stage

#### **Complementary Courses (36 credits)**

The other courses, depending on the area of concentration, will be chosen in consultation with an Aerospace Engineering Adviser. A maximum of 3 credits of FACC courses at the 500, 600, or 700 level may be credited toward the degree.

#### **19.11.5.10 Master of Management (M.M.M.); Manufacturing Management (Non-Thesis) (57 credits)**

Note: This program is either a 56- or 57-credit program.

#### **Required Courses - General Business and Management (11 credits)**

MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGSC 608	(3)	Data Decisions and Models

#### **Complementary Courses - General Business and Management (6 credits)**





## **Thesis**

### **Required Courses**

MECH 700	(0)	Ph.D. Literature Review
MECH 701	(0)	Ph.D. Thesis Proposal
MECH 702	(0)	Ph.D. Comprehensive Preliminary Oral Examination

## **M.Eng. (Project) Degrees**

### ***section 19.11.6.7: Master of Engineering (M.Eng.); Mining and Materials Engineering (Non-Thesis) (45 credits)***

The Master of Engineering (Project) program (Materials Option) is primarily designed to train people with appropriate engineering or scientific backgrounds to allow them to work effectively in the metals and materials industries. The Master of Engineering (Project) program (Mining Option) is primarily designed for graduates from mining engineering programs who have received adequate academic training in modern mining technology, mineral economics, computer programming, and probabilities and statistics.

### ***section 19.11.6.8: Master of Engineering (M.Eng.); Mining and Materials Engineering (Non-Thesis) — Environmental Engineering (45 credits)***

This interdepartmental graduate program leads to a master's degree in Environmental Engineering.

## 19.11.6.4 Mining and Materials Engineering Faculty

### Department Chair

Steve Yue

### Graduate Program Director

George P. Demopoulos

### Graduate Program Coordinator

Barbara Hanley

### Emeritus Professors

John E. Gruzleski; B.Sc., M.Sc.(Qu.), Ph.D.(Tor.), Eng., F.C.I.M., F.A.S.M. (*Gerald G. Hatch Emeritus Professor*)

John J. Jonas; B.Eng.(McG.), Ph.D.(Cant.), Eng., F.A.S.M., F.R.S.C. (*Henry Birks Emeritus Professor*)

Gordon W. Smith; B.Eng., M.Eng., Ph.D.(McG.), Eng.

### Professors

George P. Demopoulos; Dipl.Eng.(NTU Athens), M.Sc., Ph.D.(McG.), Eng., F.C.I.M. (*Gerald Hatch Faculty Fellow*)

Roussos Dimitrakopoulos; B.Sc.(Thessaloniki), M.Sc.(Alta.), Ph.D.(École Poly., Montr.) (*Canada Research Chair I*)

James A. Finch; B.Sc.(Birm.), M.Eng., Ph.D.(McG.), Eng., F.C.I.M., F.R.S.C. (*Gerald G. Hatch Professor*)

Raynald Gauvin; B.Eng., Ph.D.(Montr.), Eng.

Roderick I.L. Guthrie; B.Sc., Ph.D.(Lond.), D.I.C., Eng., A.R.S.M., F.C.I.M., R.R.S.C. (*William C. Macdonald Professor*)

Faramarz (Ferri) P. Hassani; B.Sc., Ph.D.(Nott.), C.Eng.(U.K. Reg.) (*George Boyd Webster Professor*)

Hani S. Mitri; B.Sc.(Cairo), M.Eng., Ph.D.(McM.), Eng.

Steve Yue; B.Sc., Ph.D.(Leeds) (*James McGill Professor*) (*Lorne Trottier Chair in Aerospace Engineering*)

### Associate Professors

Mathieu Brochu; B.Eng.(Laval), Ph.D.(McG.) (*Canada Research Chair II*)

Mainul Hasan; B.Eng.(Dhaka), M.Eng.(Dhahran), Ph.D.(McG.)

Frank Mucciardi; B.Eng., M.Eng., Ph.D.(McG.), Eng.

Showan Nazhat; B.Eng., M.Sc., Ph.D.(Lond.) (*Gerald Hatch Faculty Fellow*)

Mihriban Pegguleryuz; B.Sc., M.Eng.(Flor.), Ph.D.(McG.)

### Assistant Professors

Marta Cerruti; B.Sc., Ph.D.(Torino)

Richard Chromik; B.Sc.(Penn. St.), M.Sc., Ph.D.(SUNY, Binghamton)

In-Ho Jung; B.Sc., M.Sc.(POSTECH), Ph.D.(École Poly., Montr.) (*Gerald Hatch Faculty Fellow*)

Nathaniel Quitarano; B.S.(Calif., Berk.), Ph.D.(MIT)

Kristian Waters; M.Eng., M.Sc.(UMIST), Ph.D.(Birm.)

### Post-Retirement Professor

Michel L. Bilodeau; B.A.Sc.(Montr.), M.Sc.(A.), Ph.D.(McG.), Eng.

### Adjunct Professors

Mostafa Benzaazoua, Marc Betournay, Martin Bureau, Robin A.L. Drew, Daryoush Emadi, Elhachmi Essadiqi, Carlton Fuerst, Bryn Harris, Ahmad Hemami, Wynand Kleingeld, Eric Lifshin, Joe Stachulak, Serge Vézina

## Lecturers

John Mossop; B.Eng.(McG.)

Florence Paray; B.Eng.(CSP), M.Eng., Ph.D.(McG.)

### 19.11.6.5 Master of Engineering (M.Eng.); Mining and Materials Engineering (Thesis) (45 credits)

#### Thesis Courses (27 credits)

MIME 690	(6)	Thesis Research 1
MIME 691	(3)	Thesis Research 2
MIME 692	(6)	Thesis Research 3
MIME 693	(3)	Thesis Research 4
MIME 694	(6)	Thesis Research 5
MIME 695	(3)	Thesis Research 6

#### Required Seminar (6 credits)

One of the following courses:

Note: MIME 672D1 and MIME 672D2 should be b05

Four 3-credit courses at the graduate level or the equivalent.

**19.11.6.7 Master of Engineering (M.Eng.); Mining and Materials Engineering (Non-Thesis) (45 credits)**

Students registered in this program specialize either in Mining Engineering or Materials Engineering.

**Research Project**

(6-15 credits)

MIME 628	(6)	Mineral Engineering Project 1
MIME 629	(6)	Mineral Engineering Project 2
MIME 634	(3)	Mineral Engineering Project 3
MIME 682	(3)	Metallurgical/Materials Engineering Project 3

**Required Courses (6 credits)**

One of the following courses:

MIME 670	(6)	Research Seminar 1
MIME 673	(6)	Mining Engineering Seminar

**Complementary Courses**

(24-33 credits)

12 credits of 500-, 600-, or 700- level MIME courses

12 to 21 credits of 500-, 600-, or 700- level courses from within or, subject to Departmental approval, outside the Department.

**19.11.6.8 Master of Engineering (M.Eng.); Mining and Materials Engineering (Non-Thesis) — Environmental Engineering (45 credits)**

Students are strongly encouraged to consult with the Graduate Program Director prior to enrolling in this program.

**Research Project (6 credits)**

MIME 628	(6)	Mineral Engineering Project 1
----------	-----	-------------------------------

**Required Courses (6 credits)**

CHEE 591	(3)	Environmental Bioremediation
CIVE 615	(3)	Environmental Engineering Seminar

**Complementary Courses (22 credits)**

(minimum 22 credits)

**Data Analysis Course**

One of the following courses:

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

**Toxicology Course**

One of the following courses:

OCCH 612	(3)	Principles of Toxicology
----------	-----	--------------------------

OCCH 616 (3) Occupational Hygiene

### **Water Pollution Engineering Course**

One of the following courses:

CIVE 651 (4) Theory: Water / Wastewater Treatment  
CIVE 652 (4) Biological Treatment: Wastewaters  
CIVE 660 (4) Chemical and Physical Treatment of Waters

### **Air Pollution Engineering Course**

One of the following courses:

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

### **Soil and Water Quality Management Course**

One of the following courses:

BREE 533 (3) Water Quality Management  
CIVE 686 (4) Site Remediation

### **Environmental Impact Course**

One of the following courses:

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

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

### 19.11.6.10 Graduate Diploma in Mining Engineering (30 credits)

#### Required Course (6 credits)

MIME 673 (6) Mining Engineering Seminar

#### Complementary Courses (24 credits)

24 credits selected in consultation with the Program Adviser.

## 19.11.7 Urban Planning

### 19.11.7.1 Location

School of Urban Planning  
Macdonald Harrington Building, Room 400  
815 Sherbrooke Street West  
Montreal, QC H3A 2K6  
Canada

Telephone: 514-398-4075

Fax: 514-398-8376

Email: [admissions.planning@mcgill.ca](mailto:admissions.planning@mcgill.ca)

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

### 19.11.7.2 About Urban Planning

McGill University was the first institution in Canada to offer a full-time planning program, starting in 1947. The School of Urban Planning was created in 1976 as a separate academic unit within the Faculty of Engineering. It shares a heritage building with the School of Architecture, right on the main open space of McGill's Downtown campus. The School has a strong track record of contributing to urban communities and to the profession of planning. It participates in the study of urban problems and in the formulation of policies and plans in Québec, elsewhere in Canada, and in developing regions.

The main objective of the School is to educate professional urban planners for leadership in the public, private, and not-for-profit sectors. It also prepares doctoral students for high-level research and teaching positions. The Master of Urban Planning (M.U.P.) is a two-year program with a strong emphasis on practical work in studio courses. The core program provides a general education in spatial planning in its functional, environmental, and social dimensions. Formal specializations are available in Urban Design and in Transportation Planning. M.U.P. students in the core program may also participate in the Barbados Field Study Semester, which focuses on global environmental issues. Details concerning these concentrations are available at [www.tram.mcgill.ca](http://www.tram.mcgill.ca), [www.mcgill.ca/urbandesign](http://www.mcgill.ca/urbandesign), and [www.mcgill.ca/bfs](http://www.mcgill.ca/bfs) respectively.

The School's teaching and research activities pertain to community planning, environmental policy and planning, international development planning, land-use planning and regulation, transportation planning, and urban design. They occur at the local, national, and international levels and are often done in partnership with other McGill departments (notably Architecture, Civil Engineering, Geography, and Law) and with units at other institutions in Montréal, across Canada, and abroad. The School uses Montreal and its region as its main teaching laboratory, and it enjoys good relationships with the local, professional, and political communities.

#### Master of Urban Planning (M.U.P.) Program

The Master of Urban Planning (M.U.P.) program is a two-year course of study that attracts students from Québec, Canada, the U.S., and overseas. It is recognized by the Ordre des urbanistes du Québec (O.U.Q.) and the Canadian Institute of Planners (C.I.P.). Graduates may become full members of the O.U.Q. and other provincial planning associations by completing their respective internship and examination requirements. Similar requirements must be met for admission to the American Institute of Certified Planners (A.I.C.P.) and other such organizations.

Urban planning was developed as a profession in the early decades of the twentieth century thanks to joint efforts of architects, landscape architects, engineers, government reformers, lawyers, public-health specialists, and others. Today, students in the M.U.P. program come from diverse backgrounds as well, including the design professions, engineering and applied sciences, environmental and social studies, and other fields; most of them have gained some professional experience after their undergraduate studies. A key feature of planning education is learning to view issues in multidisciplinary ways and to generate equitable and efficient solutions to complex problems of urban change and development. The M.U.P. program was designed with a strong emphasis on project-based learning, i.e., practical work done in teams in a studio setting. About half of the curriculum is devoted to required courses that teach basic knowledge and skills in urban planning; the other half enables students to select courses that match their particular interests. Three studio courses, a summer internship, and a semester-long Supervised Research Project prepare them for professional practice and research. Students participate actively in professors' research programs or define their own research objectives, sometimes with their own research funding from major agencies (e.g., SSHRC, NSERC, FQRSC, FQRNT).

Graduates of the M.U.P. program work as planners, designers, and policy analysts, and as advocates and mediators, at various lev



*section 19.11.7.5: Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) (66 credits)*

The M.U.P. requires two years of study, including a three-month internship with a member of a recognized planning association. Upon completion, graduates are expected to have acquired basic planning skills, a broad understanding of urban issues, and specialized knowledge in a field of their own choice.

*section 19.11.7.6: Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) — Transportation Planning (66 credits)*

The Transportation Planning option enables students to specialize in this field as part of their course of study for the M.U.P. degree. Studio courses, an internship, and a final project involve real-life work that prepares students for the professional practice of Urban Transportation Planning.

*section 19.11.7.7: Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) — Urban Design (66 credits)*

**NOTE:** The Urban Design option is being suspended. Students interested in Urban Design will be able to specialize in this field of practice as part of the core M.U.P. program.

The Urban Design option allows students to specialize in this field as part of their course of study for the M.U.P. degree. Studio courses, an internship, and a final project involve real-life work that prepares students for the professional practice of Urban Design.

### **19.11.7.3 Urban Planning Admission Requirements and Application Procedures**

#### **19.11.7.3.1 Admission Requirements**

The M.U.P. degree is open to students holding a bachelor's degree or equivalent in Anthropology, Architecture, Economics, Engineering, Environmental Studies, Geography, Law, Management, Political Science, Social Work, Sociology, or Urban Studies. Students from other backgrounds are considered for admission on an individual basis.

In addition to the documents for admission required by Graduate and Postdoctoral Studies, the following must be submitted:

- 1.** Statement of specific interest in the area of Urban Planning (one to two pages)
- 2.** Curriculum Vitae
- 3.** Portfolio: For architects only

**Assistant Professors**

Ahmed Elgeneidy; B.A.A., M.Arch.(Alexandria), Ph.D.(Port. St.)

Nik Luka; B.A.A.(Ryerson), M.Arch.(Laval), Ph.D.(Tor.) (*joint appt. with School of Architecture*)

**Adjunct Professors**

Cameron Charlebois, David Farley, Mario Polèse, Ray Tomalty

**Guest Lecturers**

Paul LeCavalier, Marc-André Lechasseur, Brenda Lee, Denis Lévesque, Pierre Morissette, Richard Shearmur, Larry Sherman, Alain Trudeau, Martin Wexler, Joshua Wolfe

**19.11.7.5 Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) (66 credits)**

The M.U.P. requires two years of study including a three-month internship with a member of a recognized planning association.

**Research Project (15 credits)**

URBP 630	(3)	Supervised Research Project 1
URBP 631	(6)	Supervised Research Project 2
URBP 632	(6)	Supervised Research Project 3

**Required Courses (27 credits)**

URBP 609	(3)	Planning Graphics
URBP 612	(3)	History and Theory of Planning
URBP 622	(6)	Planning Studio 1
URBP 623	(3)	Planning Studio 2
URBP 624	(6)	Planning Studio 3
URBP 633	(3)	Planning Methods
URBP 635	(3)	Planning Law

**Required Internship (6 credits)**

URBP 628	(6)	Practical Experience
----------	-----	----------------------

**Complementary Courses**

12-18 credits

In choosing courses from the following list, students are encouraged to complete at least one course in each of the four areas of design, environment, housing, and transportation.

ARCH 515	(3)	Sustainable Design
ARCH 520	(3)	Montreal: Urban Morphology
ARCH 521	(3)	Structure of Cities
ARCH 527	(3)	Civic Design
ARCH 528	(3)	History of Housing
ARCH 529	(3)	Housing Theory
CIVE 540	(3)	Urban Transportation Planning
URBD 602	(3)	Urban Design Seminar 1: Foundations

URBD 604	(3)	Urban Design Seminar 2: Advanced Topics
URBP 501	(2)	Principles and Practice 1
	(3)	Planning for Active Transportation

### Required Internship (6 credits)

URBP 628	(6)	Practical Experience
----------	-----	----------------------

### Required Courses (33 credits)

URBP 505	(3)	Geographic Information Systems
URBP 609	(3)	Planning Graphics
URBP 612	(3)	History and Theory of Planning
URBP 619	(3)	Land Use and Transportation Planning
URBP 622	(6)	Planning Studio 1
URBP 623	(3)	Planning Studio 2
URBP 624	(6)	Planning Studio 3
URBP 633	(3)	Planning Methods
URBP 635	(3)	Planning Law

### Complementary Courses

6-12 credits from the following:

CIVE 540	(3)	Urban Transportation Planning
URBP 504	(3)	Planning for Active Transportation
URBP 506	(3)	Environmental Policy and Planning
URBP 536	(1)	Transportation Seminar 1
URBP 537	(1)	Transportation Seminar 2
URBP 538	(1)	Transportation Seminar 3
URBP 608	(3)	Advanced GIS Applications
URBP 620	(3)	Transportation Economics

### Elective Courses

0-6 credits

Students may take courses at the 500- or 600-level offered by any academic unit at McGill or another Montreal university if they help students develop an in-depth knowledge of one or more subject areas in the field of planning, with the approval of the School. Frequent choices include courses in real-estate analysis, urban geography, sociology, anthropology, law, politics, and environmental science. Students must confirm prior to registration that the elective course(s) will be counted towards the M.U.P. degree.

### 19.11.7.7 Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) — Urban Design (66 credits)

The Urban Design concentration in the professionally-accredited M.U.P. degree enables students to specialize in this area of scholarship and professional practice in their second year of studies. Three studio courses, an internship, two intensive seminar courses, and a final Supervised Research Project in Urban Design enable students to prepare for professional practice as urban design specialists skilled in analysis and design development for existing (sub)urban landscapes and newly-urbanizing contexts. This option is open to students with a professional and/or undergraduate degree in Architecture, Landscape Architecture, Environmental Design, Urban Planning, or related fields. Qualified applicants are admitted to the core M.U.P. program and then apply to be placed in the concentration at the end of their first year of study. Successful applicants must meet the admission requirements for the core M.U.P. program and also demonstrate visual acuity, spatial literacy, and skills in graphic communication during their first two terms of study.

### Research Project (15 credits)

URBP 630	(3)	Supervised Research Project 1
URBP 631	(6)	Supervised Research Project 2
URBP 632	(6)	Supervised Research Project 3

---

**Required Internship (6 credits)**

URBP 628	(6)	Practical Experience
----------	-----	----------------------

**Required Courses (33 credits)**

URBD 602	(3)	Urban Design Seminar 1: Foundations
URBD 604	(3)	Urban Design Seminar 2: Advanced Topics
URBP 609	(3)	Planning Graphics
URBP 612	(3)	History and Theory of Planning
URBP 622	(6)	Planning Studio 1
URBP 623	(3)	Planning Studio 2
URBP 624	(6)	Planning Studio 3
URBP 633	(3)	Planning Methods
URBP 635	(3)	Planning Law

**Complementary Courses**

9-12 credits from the following including at least one ARCH course and one URBP course:

ARCH 515	(3)	Sustainable Design
ARCH 520	(3)	Montreal: Urban Morphology
ARCH 521	(3)	Structure of Cities
ARCH 527	(3)	Civic Design
ARCH 561	(3)	Affordable Housing Seminar 1
ARCH 562	(3)	Affordable Housing Seminar 2
ARCH 566	(3)	Cultural Landscapes Seminar
URBP 504	(3)	Planning for Active Transportation
URBP 506	(3)	Environmental Policy and Planning
URBP 530	(3)	Urban Environmental Planning
URBP 616	(3)	Selected Topics 1
URBP 619	(3)	Land Use and Transportation Planning

0-3 credits can be selected from other courses at the 500 or 600 levels in an

URBP 619	(3)	Land Use and Transportation Planning
URBP 625	(2)	Principles and Practice 2
URBP 626	(2)	Principles and Practice 3
URBP 627	(1)	Urban Design Competition Cities in a Globalizing



**Arts**

*section 15.11.15: Italian Studies*

*section 15.11.16: Jewish Studies*

*section 15.11.17: Linguistics*

*section 15.11.18: Mathematics and Statistics*

*section 15.11.19: Philosophy*

*section 15.11.20: Political Science*

*section 15.11.21: Psychology*

*section 15.11.23: Russian and Slavic Studies*

*section 15.11.24: Social Studies of Medicine*

*section 15.11.25: Social Work*

*section 15.11.26: Sociology*

**Dentistry**

*section 16.11.1: Dentistry*

**Desautels Faculty of Management**

*section 17.11: Desautels Faculty of Management*

**Education**

*section 18.11.1: Educational and Counselling Psychology*

*section 18.11.2: Information Studies*

*section 18.11.3: Integrated Studies in Education*

*section 18.11.4: Kinesiology and Physical Education*

**Engineering**

*section 19.11.1: Architecture*

*section 19.11.2: Chemical Engineering*

*section 19.11.3: Civil Engineering and Applied Mechanics*

*section 19.11.4: Electrical and Computer Engineering*

*section 19.11.5: Mechanical Engineering*

*section 19.11.6: Mining and Materials Engineering*

*section 19.11.7: Urban Planning*

**Law**

*section 20.11.1: Law*

**McGill School of Environment**

*section 21.11.1: Environment*

**Medicine**

*section 22.11.1: Anatomy and Cell Biology*

*section 22.11.2: Biochemistry*

*section 22.11.3: Bioethics*

*section 22.11.4: Biomedical Engineering*



**Medicine**

*section 22.11.5: Communication Sciences and Disorders*

*section 22.11.6: Epidemiology and Biostatistics*

Experimental Medicine, see *section 22.11.10: Medicine, Experimental*

*section 22.11.8: Human Genetics*

*section 22.11.9: Medical Physics*

*section 22.11.11: Microbiology and Immunology*

*section 22.11.12: Neuroscience (Integrated Program in)*

*section 23.11.1: Nursing*

*section 22.11.13: Occupational Health*

*section 22.11.14: Otolaryngology – Head and Neck Surgery*

*section 22.11.15: Pathology*

*section 22.11.16: Pharmacology and Therapeutics*

*section 24.11.1: Physical and Occupational Therapy*

*section 22.11.17: Physiology*

*section 22.11.18: Psychiatry*

*section 22.11.19: Surgical Research*

**Religious Studies**

*section 25.11.1: Religious Studies*

**Schulich School of Music**

*section 26.11.1: Schulich School of Music*

**Science**

*section 27.11.1: Atmospheric and Oceanic Sciences*

*section 27.11.2: Biology*

*section 27.11.3: Chemistry*

*section 27.11.4: Computer Science*

*section 27.11.5: Earth and Planetary Sciences*

*section 15.11.9: Geography*

*section 15.11.18: Mathematics and Statistics*

*section 27.11.8: Physics*

*section 15.11.21: Psychology*

**20.4.1 Graduate Diplomas and Certificates**

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

**Graduate Diplomas are offered in:**

Clinical Research (Experimental Medicine)

Primary Care Nurse Practitioner

Epidemiology and Biostatistics

Professional Performance

Islamic Studies

Public Accountancy (C.A.)

**Graduate Diplomas are offered in:**

Library and Information Studies	Registered Dietician Credentialing (R.D.)
Mining Engineering	School and Applied Child Psychology (post-Ph.D.)
Nursing	Surgical Health Care Research

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

**Graduate Certificates are offered in:**

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

All graduate regulations apply to graduate diploma and certificate candidates.

**20.4.2 Master's Degrees**

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

**The following master's degrees are offered (see below for more information about sub-specializations):****Prerequisites:**

Master of Architecture (M.Arch)	M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.
Master of Arts (M.A.)	Bachelor of Arts in the subject selected for graduate work. See appropriate unit.
Master of Business Administration (M.B.A.)	An undergraduate degree from an approved university. See Management.
Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See Management.
Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)	See Management.
Master of Manufacturing Management (M.M.M.)	See Management.
Master of Education (M.Ed.)	A 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 Law.
Master of Library and Information Studies (M.L.I.S.)	At least a bachelor's degree from a recognized university. See Library and Information Studies.
Master of Management (M.M.)	See Management.
Master of Music (M.Mus.)	Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.
Master of Sacred Theology (S.T.M.)	B.A. with specialization in religious studies or theology. See Religious Studies.
Master of Science (M.Sc.)	Bachelor of Science in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (M.Sc.A.)	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (OT) (M.Sc.A. (OT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (PT) (M.Sc.A. (PT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Social Work (M.S.W.)	Bachelor's degree in Social Work including courses in statistics and social science research methods. See Social Work.

**The following master's degrees are offered (see below for more information about sub-specializations):**

**Prerequisites:**

Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)

See School of Social Work.

Master of Urban Planning (M.U.P.)

Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.

**Master of Architecture Degrees**

M.Arch. programs offered:

M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research

M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology

Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)

Classics (Thesis and Non-Thesis)

Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies

Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)

Education (Thesis and Non-Thesis)

English (Thesis and Non-Thesis)

French (Thesis and Non-Thesis); option in Gender and Women's Studies

Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics

German Studies (Thesis and Non-Thesis)

Hispanic Studies (Thesis and Non-Thesis)

History (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Thesis and Non-Thesis), History of Medicine (Non-Thesis)

Islamic Studies; option in Gender and Women's Studies

Italian Studies (Thesis and Non-Thesis)

Jewish Studies (Thesis and Non-Thesis)

Kinesiology and Physical Education (Thesis and Non-Thesis)

Linguistics (Non-Thesis)

Mathematics and Statistics (Thesis and Non-Thesis)

Music (Thesis and Non-Thesis)

Philosophy; option in Bioethics

Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)

Psychology

Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies

Russian

Sociology (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), Environment, Gender and Women's Studies (Thesis and Non-Thesis), Medical Sociology (Thesis and Non-Thesis), Social Statistics (Non-Thesis), Neotropical Environment

**Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

Finance

Global Strategy and Leadership

Marketing

Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

M.B.A. with M.D.,C.M.

M.B.A. with B.C.L. and LL.B.

Master of Manufacturing Management (see Management and Mechanical Engineering)

### **Master's Degrees in Education**

Three types of master's degrees are offered: M.A. (Thesis and Non-Thesis), M.Ed. (Non-Thesis) and M.Sc. (Thesis and Non-Thesis).

The M.A. may be taken in the following areas:

Counselling Psychology (Thesis and Non-Thesis); Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)  
Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)  
Educational Psychology (Thesis and Non-Thesis)  
Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)  
Kinesiology and Physical Education (Thesis and Non-Thesis)  
Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)  
Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

Educational Psychology

The M.Sc. may be taken in the following area:

Kinesiology and Physical Education (Thesis and Non-Thesis)

### **Master's Degree in Engineering**

Programs leading to the degree of Master of Engineering are offered in the following areas:

Aerospace Engineering (Project)  
Biomedical Engineering; option in Bioinformatics  
Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)  
Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)  
Electrical Engineering (Thesis and Project); option in Computational Science and Engineering  
Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering  
Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).  
Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

### **Master's Degrees in Law**

The degree of Master of Laws is offered in:

Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies  
Air and Space Law (Thesis and Non-Thesis)

### **Master of Library and Inf**

Performance (various options) (Non-Thesis)

Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

#### **Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

#### **Master's Degrees in Religious Studies**

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.

#### **Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

Agricultural Economics

Animal Science

Atmospheric and Oceanic Science;693 540.82tasiencs).

alen

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

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
- Occupational Health
- Occupational Therapy
- Plant Science
- Physical Therapy

Other degrees:

- Master of Science, Applied (OT)
- Master of Science, Applied (PT)

#### **Master of Social Work Degrees**

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

- M.S.W. with B.C.L. and LL.B.

#### **Master of Urban Planning Degree**

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

Options: Transportation Planning and Urban Design.

### **20.4.3 Doctoral Degrees**

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

**Pr**

Anatomy and Cell Biology  
Animal Science; option in Bioinformatics  
Anthropology; option in Neotropical Environment  
Architecture  
Art History; option in Gender and Women's Studies  
Atmospheric and Oceanic Sciences  
Biochemistry; options in Bioinformatics, and Chemical Biology  
Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment  
Biomedical Engineering; option in Bioinformatics  
Bioresource Engineering; options in Environment, and Neotropical Environment  
Chemical Engineering  
Chemistry; option in Chemical Biology  
Civil Engineering and Applied Mechanics  
Classics  
Communication Studies; option in Gender and Women's Studies  
Communication Sciences and Disorders; option in Language Acquisition  
Computer Science; option in Bioinformatics  
Counselling Psychology  
Earth and Planetary Sciences; option in Environment  
Economics  
Educational Psychology  
Educational Studies; option in Gender and Women's Studies  
Electrical Engineering  
English  
Entomology; options in Environment, and Neotropical Environment  
Epidemiology and Biostatistics  
Food Science and Agricultural Chemistry  
French; option in Gender and Women's Studies  
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment  
German  
Hispanic Studies  
History  
Human Genetics; option in Bioinformatics  
Human Nutrition  
Information Studies  
Islamic Studies; option in Gender and Women's Studies  
Linguistics; option in Language Acquisition  
Management  
Mathematics and Statistics; option in Bioinformatics  
Mechanical Engineering  
Medicine, Experimental; option in Environment  
Microbiology and Immunology  
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment  
Mining and Materials(vironment)Tj1 0 0 1 81.69Grial Materecseronne2option in Gender and

Russian

School/Applied Child Psychology

Social Work

Sociology; options in Environment, and Gender and W



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

### **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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

### **20.5.3 Ad Hoc Programs**

*In exceptional cases*, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer graduate programs, may be admitted to an *Ad Hoc* program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document "Procedures for Admission in *Ad Hoc* Master's and Doctoral Programs", available from GPS.

### **20.5.4 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 *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer its own graduate programs, may be admitted to an

It is recommended that applicants submit a list of the titles of courses taken 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.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed

### Competency in English

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.

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 mark 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. 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*

### 20.6.5 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 dates for guaranteed consideration. 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 deyear studnications canno1 0 1 0 0 1 67.52 454.481 Tm(Qualif2 cationi.1 T. cases whcaseTm(gr, )Tj/F3 8.1 25ple1 0 0 1 67.52 4.48 488.501romly er

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

#### 20.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.

*Revised – Council of February 9, 2004.*

#### 20.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

---

### 20.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies  
(Fellowships and Awards Section)  
James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5  
Telephone: 514-398-3990  
Fax: 514-398-2626  
Email: [graduate.fellowships@mcgill.ca](mailto:graduate.fellowships@mcgill.ca)  
Website: [www.mcgill.ca/gps/students](http://www.mcgill.ca/gps/students) (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: <http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwhimpl/js/html/wwhelp.htm>

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The *Graduate Fellowships and Awards Calendar* lists all internal awards as well as numerous external awards.

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

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at [www.mels.gouv.qc.ca/ens-sup/ens-univ/droits\\_scolaire-A\\_pays-or\\_tx\\_en.asp?p](http://www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolaire-A_pays-or_tx_en.asp?p) b

---

## **20.8 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.

### **20.8.1 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 Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).







---

## 20.9 Graduate Studies Guidelines and Policies

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

**Note:** The University Exam Regulations governed by the

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.
6. All forms are to be kept in departmental files.
7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
  - be used **annually**;
  - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
  - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
  - permit the student to submit a minority report and not sign;
  - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

### 20.9.3 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*

### 20.9.4 Ph.D. Comprehensives Policy

#### Preamble

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 paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

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 and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

#### 1. General Policy

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. ("Mixed" modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

#### Specific Issues

##### Objectives and Content

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

##### Format

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

-

Charter of Student Rights  
Graduate Studies Reread Policy  
Offi

*Prepared by the Committee on Graduate Programs, Supervision and Teaching*

*Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995*

#### **20.9.6 Health and Parental/Familial Leave of Absence Policy**

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's "Parental Leave Policy" for non-academic staff) reasons or for health reasons.

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 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 GPS.

During a **leave of absence for parental or familial reasons**, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a **leave of absence for health reasons** Library (McLennan-Redpath). In sp77.763 .1 0S7ry ( at the

## 20.10.2 Regulations on Research Policy

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

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

*Associate Dean (Graduate Studies) – Rosalie Jukier*

### **20.11.1.2 About Law**

Graduate students in Law at McGill have one thing in common: a sharp curiosity to explore ideas and projects in an environment that is uniquely comparative and pluralist.

The extensive and impressive history of graduate teaching and supervision at McGill, combined with the innovations in legal pedagogy for which the Faculty of Law is celebrated, create an unrivaled quality and experience for graduate students. Grounded in Montreal, a city which embodies a lively mix of languages, cultures, and communities, the Faculty of Law invites students pursuing their D.C.L. and LL.M. degrees to discover and write within a community of legal scholars that is internationally renowned and engaging.

McGill Law is a meeting place for the major languages of North America, for the world's legal traditions, and for students who wish to participate in the graduate life of a truly outstanding, prestigious, and intellectually vibrant Faculty of Law.

The Faculty of Law offers a range of programs at the graduate level. These include the degrees of Master of Laws (LL.M.) with Thesis and Non-Thesis options, and Doctor of Civil Law (D.C.L.), as well as Graduate Certificates.

Students may choose to pursue either the LL.M. or the D.C.L. in the Faculty of Law, the Institute of Air and Space Law (IASL), or the Institute of Comparative Law (ICL). Graduate Certificates may only be completed within either the IASL or the ICL.

**The Faculty of Law** promotes study and research in private, commercial, international, and public law, as well as legal theory, from the perspectives of diverse legal traditions. In collaboration with the McGill School of Environment, the Faculty offers an LL.M. Thesis or Non-Thesis option in Environment. The Faculty also offers two other options within the LL.M. degree, a cross-disciplinary European Studies Option (ESO) in collaboration with the Faculty of Arts, and a specialization in Bioethics. The D.C.L. degree always involves a substantial thesis.

**The Institute of Air and Space Law** operates within the Faculty of Law. The Institute offers a curriculum exploring legal issues that arise from international civil aviation and new technologies in space. It provides students with a comprehensive understanding of the legal processes regulating worldwide aerospace activities. The Institute offers the degrees of Master of Laws (LL.M.) with Thesis and Non-Thesis options. The Institute of Air and Space Law is located at 380 University Street, Montreal, Quebec H3T 1M2. The Institute's telephone number is 514 393 8882 and its fax number is 514 393 8883. The Institute's website is [www.iasl.mcgill.ca](http://www.iasl.mcgill.ca).



***section 20.11.1.9: Master of Laws (LL.M.); Law (Thesis); Bioethics (45 credits)***

The Master's specialization in Bioethics is an interdisciplinary program that emphasizes both the conceptual and practical aspects of Bioethics. Students apply through either the Faculty of Law, Medicine, Religious Studies, or the Department of Philosophy. Students entering pursuing an LL.M., Bioethics, are bound by the requirements of the Faculty of Law's LL.M. program (thesis option only).

***section 20.11.1.10: Master of Laws (LL.M.); Law (Thesis); Environment (45 credits)***

The Environmental Studies Option is a cross-disciplinary option of

#### *section 20.11.1.18: Graduate Certificate in Air and Space Law (15 credits)*

The Graduate Certificate in Air and Space Law is a coursework program with a limited research and writing requirement. It is particularly appropriate for students with a strong professional orientation who do not wish to write a thesis. This certificate is particularly appropriate for jurists and other professionals who wish to pursue graduate-level legal studies in aviation, air and space law, government regulations, conventions and treaties dealing with these areas.

#### *section 20.11.1.19: Graduate Certificate in Comparative Law (15 credits)*

The Graduate Certificate in Comparative Law provides advanced training in subjects within the scope of the ICL to candidates who do not wish to undertake the Master's degree. The Graduate Certificate is particularly appropriate for judges, law professors, and legal practitioners from countries undergoing substantial legal reform (such as post-Communist or developing countries) who wish to pursue advanced studies in areas such as civil, commercial, or human rights law.

### **20.11.1.3 Law Admission Requirements and Application Procedures**

#### **20.11.1.3.1 Admission Requirements**

The Graduate Admissions Committee of the Faculty of Law reviews applications and makes recommendations regarding admission to Graduate and Postdoctoral Studies (GPS), which makes the final admissions decisions.

For information and application forms, please consult the Faculty website [www.mcgill.ca/law-admissions/graduates/admissions](http://www.mcgill.ca/law-admissions/graduates/admissions) or contact the Graduate Programs Office in Law, McGill University, at the Departmental address, or via email at [grad.law@mcgill.ca](mailto:grad.law@mcgill.ca), and telephone 514-398-6635.

##### *Language Requirement*

Graduate-level courses are generally offered in English, and English-language abilities must be demonstrated for admission. In order to communicate fully with all law students at McGill, and to understand all course materials, the ability to speak and read French is an asset. At McGill's Faculty of Law, all students may choose to write essays, examinations, and theses in English or French.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian or American (English or French) institution, must submit documented proof of competency in oral and written English. **Before acceptance**, appropriate exam results must be submitted directly from the TOEFL, IELTS, MELAB, ESOL, or EDEXCEL offices. An institutional version of the TOEFL is not acceptable. For an application to be considered, a TOEFL, IELTS, MELAB, ESOL, or EDEXCEL test result, McGill Certificate of Proficiency in English or McGill Certificate of Proficiency - English for Professional Communication must be available.

Generally, successful applicants to our LL.M. and D.C.L. programs typically report scores of at least 100 on the TOEFL (iBT), 600 on the TOEFL (PBT), 250 on the TOEFL (CBT), a band score of 7.0 or greater on the IELTS, a mark of 85 or higher on the MELAB, a grade of "A" (Excellent) on the ESOL (CAE), a grade of "B"

Furthermore, in the case of thesis programs, the Committee must consider the availability of a supervisor. If a supervisor is not available in the applicant's preferred field of study, the applicant may be refused admission or else offered admission pending a change of field of study.

*LL.M. Interdisciplinary Options in Environment and European Studies*

Students who apply for admission to the LL.M. Thesis or Non-Thesis program at the Faculty of Law may specify an interest in these options.

*LL.M. Specialization in Bioethics*

Requirements for admission to the Master's program in Bioethics from the base discipline Law are the same as for admission to the LL.M.

For further information, see the Bioethics section of this publication, or contact the Chair, Master's Specialization in Bioethics, Biomedical Ethics Unit, 3647 Peel Street, Montreal, QC, H3A 1W9. Telephone: 514-398-6980; fax: 514-398-8349; email:

**20.11.1.4 Course Selection (Graduate and Postdoctoral Law Programs)**

It should be noted that not all courses are offered in each year. Students wishing to pursue research topics outside of these particular fields are welcome to do so, subject to the availability of appropriate thesis supervisors.

The graduate-level Law courses are grouped into four inter-related concentrations.

**20.11.1.4.1 Legal Traditions and Legal Theory**

This concentration combines two areas of strength: the coexistence of diverse legal traditions, particularly (but not exclusively) the civil and common law, and the awareness of the importance of theoretical approaches to law as a means of understanding both the internal dynamic of legal phenomena and their relationship to other social phenomena.

**Courses offered within this concentration may include:**

Aboriginal Peoples and the Law (CMPL 500)  
Advanced Criminal Law (PUB2 501)  
Advanced Jurisprudence (CMPL 505)  
Canadian Legal History (CMPL 547)  
Canon Law (CMPL 502)  
Civil Law Perspectives (CMPL 601)  
Common Law Perspectives (CMPL 602)  
Comparative Modern Legal History (CMPL 519)  
Feminist Legal Theory (CMPL 504)  
Human Rights and Cultural Diversity (CMPL 603)  
Interdisciplinary Seminar in European Studies (CMPL 659)  
Jurisprudence (CMPL 501)  
Legal Education Seminar (LAWG 525)  
Legal Theory (CMPL 506)  
Legal Traditions (CMPL 600)  
Linguistic and Literary Approaches to Law (CMPL 507)  
Research Seminars (CMPL 508 & CMPL 509)  
Restitution (PRV4 500)  
Roman Law (CMPL 510)  
Sentencing in Canadian Law (PUB2 504)  
Social Diversity and Law (CMPL 511)  
Talmudic Law (CMPL 513)  
Theoretical Approaches to Law (CMPL 641)

**20.11.1.4.2 International Business Law**

The ICL pioneered the first graduate concentration in international business law in Canada. This field has practical significance in international business relations and also provides opportunities to apply experience derived from multiple legal systems to the development of multi-jurisdictional, “international” commercial rules.

**Courses offered within this concentration may include:**

Airline Business and Law (ASPL 614)  
Comparative Air Law (ASPL 632)  
Comparative Legal Institutions (CMPL 517)  
Copyright and Trademark Theory (BUS2 500)  
Corporate Finance (BUS2 505)  
European Community Law 1 (CMPL 536)  
European Community Law 2 (CMPL 537)

**Courses offered within this concentration may include:**

Government Control of Business (CMPL 574)

Government Regulation of Space Activities (ASPL 639)

Intellectual and Industrial Property (BUS2 502)

**Courses offered within this concentration may include:**

Computers and the Law (CMPL 578)

Environment and the Law (CMPL 580)

Government Control of Business (CMPL 574)

Intellectual and Industrial Property (BUS2 502)

International Environmental Law (CMPL 546)

The core of the D.C.L. program is a substantial thesis of up to 400 pages that makes a significant contribution to legal scholarship. The thesis must be submitted within four years of completion of the program and execution of the original work of the candidate. Its form must be suitable for publication. The thesis must be submitted within four years of completion of the program requirement.

### Comprehensive Required

Students are encouraged to pass a comprehensive examination, usually after one year in the program.

201.726 (0) Comprehensive - Air/Space Law

### Complementary Courses

Students are encouraged to take the following courses:

CMPL 610 (4) Legal Research Methodology

CMPL 641 (4) Theoretical Approaches to Law

### 20.11.1.7 Doctor of Civil Law (D.C.L.); Comparative Law

The Institute of Comparative Law offers the D.C.L. program in Comparative Law, which allows for the development of substantive and original contributions to legal research and knowledge under the supervision of a faculty member. Doctoral candidates normally plan to pursue an academic career and develop their approach to pedagogy, research, and writing while at McGill.

D.C.L. candidates in the ICL may be associated with the Centre for Human Rights and Legal Pluralism, the Quebec Research Centre of Private and Comparative Law, the Centre for Intellectual Property Policy, or one of the specialized Research Chairs at the Faculty of Law. F

As part of the course Master's Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modi



CMPL 641	(4)	Theoretical Approaches to Law
----------	-----	-------------------------------

**Complementary Courses (11 credits)**

One of the following:

BIOE 682	(3)	Medical Basis of Bioethics
CMPL 642	(3)	Law and Health Care
PHIL 543	(3)	Seminar: Medical Ethics
RELG 571	(3)	Religion and Medicine

8-9 credits at the 500-level or above of Faculty of Law courses or Bioethics courses.

**20.11.1.10 Master of Laws (LL.M.); Law (Thesis); Environment (45 credits)**

The Faculty of Law together with the School of Environment and other units at McGill offers a 45-credit LL.M. program, thesis option, in Environment. This is a research-intensive, interdisciplinary, graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

**Thesis Courses (29 credits)**

As part of the course Master's Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

CMPL 612	(3)	Master's Thesis 1
CMPL 613	(3)	Master's Thesis 2
CMPL 614	(3)	Master's Thesis 3
CMPL 615	(6)	Master's Thesis 4
CMPL 616	(12)	Master's Thesis 5
CMPL 618	(2)	Master's Thesis 7

**Required Courses (10 credits)**

CMPL 610	(4)	Legal Research Methodology
ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3

**Complementary Courses (6 credits)**

3-6 credits chosen from:

CMPL 546	(3)	International Environmental Law and Politics
CMPL 580	(3)	Environment and the Law

0-3 credits chosen from:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling

ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500-level or higher recommended by the advisory committee and approved by the Environment Option Committee.

**20.11.1.11 Master of Laws (LL.M.); Law (Thesis); European Studies (46 credits)**

The 46-credit LL.M. program, thesis option, in European Studies is a research-intensive graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

This option is a cross-disciplinary program open to students whose work is focused on Europe, in particular on issues relating to European integration, broadly understood. Students will take an interdisciplinary seminar and three courses on European themes and issues as part of their LL.M. thesis program.



**Complementary Courses (18 credits)**

15 credits chosen from:

CMPL 500	(3)	Aboriginal Peoples and the Law
CMPL 546	(3)	International Environmental Law and Politics
CMPL 580	(3)	Environment and the Law

and/or other Faculty of Law offerings.

3 credits chosen from:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3

CMPL 641 (4) Theoretical Approaches to Law

7 credits at the 500 level or higher, chosen from among Faculty offerings (including ASPL offerings).

**20.11.1.15 Master of Laws (LL.M.); Law (Non-Thesis); Air and Space Law (45 credits)**

The 45-credit LL.M. program, non-thesis option, in Air and Space Law complements previous legal education through specialized graduate-level coursework and in-depth research. It enhances expertise in selected areas of legal scholarship and includes a supervised substantial paper in an area of interest.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term is devoted to the Research Project, usually taken in the summer of the first year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

**Research Project (18 credits)**

The non-thesis option requires a substantial supervised research project during the third term of registration, a 15,000 word paper, assessed by the supervisor on a pass-fail basis, and typically completed in the Summer.

ASPL 655	(15)	Research Project 1
ASPL 656	(2)	Research Project 2
ASPL 657	(1)	Research Project 3

**Required Courses (9 credits)**

ASPL 633	(3)	Public International Air Law
ASPL 636	(3)	Private International Air Law
ASPL 637	(3)	Space Law: General Principles

**Complementary Cour3)w**

CMPL 616	(12)	Master's Thesis 5
CMPL 617	(3)	Master's Thesis 6

**Required Courses (12 credits)**

CMPL 600	(4)	Legal Traditions
CMPL 610	(4)	Legal Research Methodology
CMPL 641	(4)	Theoretical Approaches to Law

**Complementary Courses (3 credits)**

The remaining 3 credits (or fe

The certificate is awarded after at least one term of residence in the Faculty and upon completion of a minimum of 15 academic credits of law courses. Students may take courses beyond the minimum of 15 credits, and these additional courses may be non-law courses. Students in the program often remain in residence for both terms and take all of the Air and Space Law courses.

---

## 21.2 Graduate and Postdoctoral Studies

### 21.2.1 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 Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)

**Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)**

Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.

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

**Associate Dean (Graduate and Postdoctoral Studies) (as of Dean (Graduate and PW**



*section 15.11.1: Anthropology*

*section 15.11.2: Art History*

Classics, see *section 15.11.12: History and Classical Studies*

*section 15.11.4: Communication Studies*

*section 15.11.5: East Asian Studies*

*section 15.11.6: Economics*

*section 15.11.7: English*

*section 15.11.8: Fr*

**Engineering**

*section 19.11.2: Chemical Engineering*

*section 19.11.3: Civil Engineering and Applied Mechanics*

*section 19.11.4: Electrical and Computer Engineering*

*section 19.11.5: Mechanical Engineering*

*section 19.11.6: Mining and Materials Engineering*

*section 19.11.7: Urban Planning*

**Law**

*section 20.11.1: Law*

**McGill School of Environment**

*section 21.11.1: Environment*

## **Science**

*section 27.11.3: Chemistry*

*section 27.11.4: Computer Science*

*section 27.11.5: Earth and Planetary Sciences*

*section 15.11.9: Geography*

*section 15.11.18: Mathematics and Statistics*

**The following master's degrees are offered (see below for more information about sub-specializations):****Prerequisites:**

Master of Manufacturing Management (M.M.M.)	See Management.
Master of Education (M.Ed.)	A 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 Law.
Master of Library and Information Studies (M.L.I.S.)	At least a bachelor's degree from a recognized university. See Library and Information Studies.
Master of Management (M.M.)	See Management.
Master of Music (M.Mus.)	Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.
Master of Sacred Theology (S.T.M.)	B.A. with specialization in religious studies or theology. See Religious Studies.
Master of Science (M.Sc.)	Bachelor of Science in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (M.Sc.A.)	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (OT) (M.Sc.A. (OT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (PT) (M.Sc.A. (PT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Social Work (M.S.W.)	Bachelor's degree in Social Work including courses in statistics and social science research methods. See Social Work.
Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See School of Social Work.
Master of Urban Planning (M.U.P.)	Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.

**Master of Architecture Degrees**

M.Arch. programs offered:

M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research

M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology

Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)

Classics (Thesis and Non-Thesis)

Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies

Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)

Education (Thesis and Non-Thesis)

English (Thesis and Non-Thesis)

French (Thesis and Non-Thesis); option in Gender and Women's Studies

Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics

German Studies (Thesis and Non-Thesis)

Hispanic Studies (Thesis and Non-Thesis)

History (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Thesis and Non-Thesis), History of Medicine (Non-Thesis)

Islamic Studies; option in Gender and Women's Studies

Italian Studies (Thesis and Non-Thesis)

Jewish Studies (Thesis and Non-Thesis)

Kinesiology and Physical Education (Thesis and Non-Thesis)

Linguistics (Non-Thesis)

Mathematics and Statistics (Thesis and Non-Thesis)

Music (Thesis and Non-Thesis)

Philosophy; option in Bioethics

Political Science (Thesis and Non-Thesis); options in Dev

**Master's Degrees in Law**

The degree of Master of Laws is offered in:

Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies

Air and Space Law (Thesis and Non-Thesis)

**Master of Library and Information Studies Degree**

The Graduate School of Library and Information Studies of







Management

Mathematics and Statistics; option in Bioinformatics

Mechanical Engineering

Medicine, Experimental; option in En

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 Calendar 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 mark of B- or better, all those courses which 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 equi which ha



---

## 21.6 General Admission for Graduate Studies



**Note:** The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

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

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

**Deadline:** Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

### 21.6.1 Application for Admission

Application information and the online application form are available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply). Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent **directly** to the department concerned. Please note applicants e72a

### **Graduate Management Admissions Test (GMAT)**

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see [www.mba.com/mba/thegmat](http://www.mba.com/mba/thegmat).

### **21.6.4 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 NO

### 21.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are **never** permitted to pursue two **full-time** degree programs concurrently.

### 21.6.8 Admission to an Ad Personam Joint Program

*Ad Personam* joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the "first department". 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 by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfil the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

Studenwho

Graduate Fellowships and A

[www.mcgill.ca/files/gps/Commitments\\_of\\_Postdoctoral\\_Scholars\\_and\\_Supervisors\\_July\\_09.pdf](http://www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf)). 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 Graduate and Postdoctoral Studies General Information [section 14.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#)). 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.

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 pro



– 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 *General Information, Regulations and Research Guidelines* Calendar of Graduate and Postdoctoral Studies;

– to submit a complete file for registration to Graduate and Postdoctoral Studies;

– 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*

### **21.8.3 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 fello



**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;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- 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);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

---

## 21.9 Graduate Studies Guidelines and Policies

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



**Note:** The University Exam Regulations governed by the *section 2.16: University Student Assessment Policy* (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at [www.mcgill.ca/students/exams/regulations](http://www.mcgill.ca/students/exams/regulations). The revised Regulations will be published in the *University Regulations and Resources* section of the 2012-2013 *Programs, Courses and University Regulations* publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

### 21.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

#### 1. Assignment of Advisers, Supervisors, and Committees

- i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.
- ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

#### 2. Program

- i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take

v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

### 3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the

The following is a summary of the main elements of the new **mandatory** policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees
2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.
3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.
4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.
5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.
6. All forms are to be kept in departmental files.
7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
  - be used **annually**;
  - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
  - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
  - permit the student to submit a minority report and not sign;
  - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

### 21.9.3 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*

### 21.9.4 Ph.D. Comprehensives Policy

#### Preamble

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 paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

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 and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. **General Policy**

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

**Format**

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

-

Units hav

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.
5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become **higher or lower or remain unchanged**. The grade submitted by the second reader shall replace the original grade. The reread grade can be changed by the second reader at any time.

---

## **21.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees* 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.

### **21.10.1 Policy on Research Ethics**

Please refer to the Policy on Research Ethics available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

### **21.10.2 Regulations on Research Policy**

Please refer to the Regulations on Research Policy available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

**P**



## 21.11.1 Environment

### 21.11.1.1 Location

McGill School of Environment  
Downtown Campus  
3534 University Street  
Montreal, QC H3A 2A7  
Canada  
Telephone: 514-398-2827  
Fax: 514-398-1643

Macdonald Campus  
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)

### 21.11.1.2 About Environment

Resolving environmental issues requires a dialogue between pure and applied sciences and 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 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 f

**Bioresource Engineering**

M.Sc., see [section 14.11.3.6: Master of Science \(M.Sc.\); Bioresource Engineering \(Thesis\) — Environment \(46 credits\)](#)

M.Sc. (Applied), see [section 14.11.3.10: Master of Science, Applied \(M.Sc.A.\); Bioresource Engineering \(Non-Thesis\) — Environment \(45 credits\)](#)

Ph.D., see [section 14.11.3.14: Doctor of Philosophy \(Ph.D.\); Bioresource Engineering — Environment](#)

**Earth and Planetary Sciences**

M.Sc., see [section 27.11.5.6: Master of Science \(M.Sc.\); Earth and Planetary Sciences \(Thesis\) — Environment \(48 credits\)](#)

Ph.D., see [section 27.11.5.8: Doctor of Philosophy \(Ph.D.\); Earth and Planetary Sciences — Environment](#)

**Entomology**

M.Sc., see [section 14.11.6.7: Master of Science \(M.Sc.\); Entomology \(Thesis\) — Environment \(46 credits\)](#)

Ph.D., see [section 14.11.6.18: Doctor of Philosophy \(Ph.D.\); Entomology — Environment](#)

**Epidemiology**

M.Sc., see [section 22.11.6.4.4: Master of Science \(M.Sc.\); of Public Health \(Non-Thesis\) — Environment \(52 credits\)](#)

**Geography**

M.A., see [section 15.11.9.6: Master of Arts \(M.A.\); Geography \(Thesis\) — Environment \(45 credits\)](#)

M.Sc., see [section 27.11.6.6: Master of Science \(M.Sc.\); Geography \(Thesis\) — Environment \(45 credits\)](#)

Ph.D., see [section 15.11.9.12: Doctor of Philosophy \(Ph.D.\); Geography — Environment](#)

**Law**

LL.M., see [section 20.11.1.10: Master of Laws \(LL.M.\); Law \(Thesis\); Environment \(45 credits\)](#)

LL.M. (Non-Thesis), see [section 20.11.1.13: Master of Laws \(LL.M.\); Law \(Non-Thesis\); Environment \(45 credits\)](#)

**Medicine, Experimental**

M.Sc., see [section 22.11.10.7: Master of Science \(M.Sc.\); Experimental Medicine \(Thesis\) — Environment \(45 credits\)](#)

Ph.D., see [section 22.11.10.10: Doctor of Philosophy \(Ph.D.\); Experimental Medicine — Environment](#)

**Microbiology**

M.Sc., see [section 14.11.6.10: Master of Science \(M.Sc.\); Microbiology \(Thesis\) — Environment \(46 credits\)](#)

Ph.D., see [section 14.11.6.21: Doctor of Philosophy \(Ph.D.\); Microbiology — Environment](#)

**Parasitology**

M.Sc., see [section 14.11.7.7: Master of Science \(M.Sc.\); Parasitology \(Thesis\) — Environment \(46 credits\)](#)

Ph.D., see [section 14.11.7.10: Doctor of Philosophy \(Ph.D.\); Parasitology — Environment](#)

**Philosophy**

Ph.D., see [section 15.11.19.7: Doctor of Philosophy \(Ph.D.\); Philosophy — Environment](#)

**Plant Science**

M.Sc., see [section 14.11.8.7: Master of Science \(M.Sc.\); Plant Science \(Thesis\) — Environment \(48 credits\)](#)

Ph.D., see [section 14.11.8.12: Doctor of Philosophy \(Ph.D.\); Plant Science — Environment](#)

**Renewable Resources**

M.Sc., see [section 14.11.6.12: Master of Science \(M.Sc.\); Renewable Resources \(Thesis\) — Environment \(46 credits\)](#)

Ph.D., see [section 14.11.6.22: Doctor of Philosophy \(Ph.D.\); Renewable Resources — Environment](#)

**Sociology**

M.A., see [section 15.11.26.7: Master of Arts \(M.A.\); Sociology \(Thesis\) — Environment \(48 credits\)](#)

Ph.D., see [section 15.11.26.17: Doctor of Philosophy \(Ph.D.\); Sociology — Environment](#)

**21.11.1.3 Environment Admission Requirements and Application Procedures****21.11.1.3.1 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/envroption](http://www.mcgill.ca/mse/programs/envroption).

**21.11.1.3.2 Application Procedures**

Applications will be considered upon receipt of:

1. option application form;
2. current CV;
3. unofficial transcripts;
4. two (2) signed reference letters; and
5. 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/envroption#FACULTY](http://www.mcgill.ca/mse/programs/envroption#FACULTY)).

All application documents are to be submitted directly to:

McGill School of Environment  
3534 University Street  
Montreal, QC H3A 2A7  
Canada  
Email: [grad.mse@mcgill.ca](mailto:grad.mse@mcgill.ca)  
Website: [www.mcgill.ca/mse/programs/envroption](http://www.mcgill.ca/mse/programs/envroption)

**21.11.1.4 Environment Faculty****Director**

Marilyn Scott

**Professors**

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

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*)

S. De Blois; B.Sc.(Agr.)(McG.), M.Sc., Ph.D.(Montr.) (*joint appt. with Plant Science*)

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*)

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

G. Mikkelson, Gregory; 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*)

**Assistant Professors**

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

### **Assistant Professors**

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

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

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

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

### **Faculty Lecturers**

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

J. Marshall; B.A.(McG.), M.A.(Tor.), Ph.D.(McG.)

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

### **Associate Members**

*Agricultural Economics*: P. Thomassin

*Animal Science*: S. Kimmins

*Anthropology*: J. Galaty

*Atmospheric and Oceanic Sciences*: P. Ariya

*Biolo*





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

### **22.2.3 General Statement Concerning Higher Degrees**

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their w

**Arts**

*section 15.11.20: Political Science*

*section 15.11.21: Psychology*

*section 15.11.23: Russian and Slavic Studies*

*section 15.11.24: Social Studies of Medicine*

*section 15.11.25: Social Work*

*section 15.11.26: Sociology*

**Dentistry**

*section 16.11.1: Dentistry*

**Desautels Faculty of Management**

*section 17.11: Desautels Faculty of Management*

**Education**

*section 18.11.1: Educational and Counselling Psychology*

*section 18.11.2: Information Studies*

*section 18.11.3: Integrated Studies in Education*

*section 18.11.4: Kinesiology and Physical Education*

**Engineering**

*section 19.11.1: Architecture*

*section 19.11.2: Chemical Engineering*

*section 19.11.3: Civil Engineering and Applied Mechanics*

*section 19.11.4: Electrical and Computer Engineering*

*section 19.11.5: Mechanical Engineering*

*section 19.11.6: Mining and Materials Engineering*

*section 19.11.7: Urban Planning*

**Law**

*section 20.11.1: Law*

**McGill School of Environment**

*section 21.11.1: Environment*

**Medicine**

*section 22.11.1: Anatomy and Cell Biology*

*section 22.11.2: Biochemistry*

*section 22.11.3: Bioethics*

*section 22.11.4: Biomedical Engineering*

*section 22.11.5: Communication Sciences and Disorders*

*section 22.11.6: Epidemiology and Biostatistics*

Experimental Medicine, see *section 22.11.10: Medicine, Experimental*

*section 22.11.8: Human Genetics*

*section 22.11.9: Medical Physics*

## **Medicine**

*section 22.11.11: Microbiology and Immunology*

*section 22.11.12: Neuroscience (Integrated Program in)*

*section 23.11.1: Nursing*

*section 22.11.13: Occupational Health*

*section 22.11.14: Otolaryngology – Head and Neck Surgery*

*section 22.11.15: Pathology*

*section 22.11.16: Pharmacology and Therapeutics*

*section 24.11.1: Physical and Occupational Therapy*

*section 22.11.17: Physiology*

*section 22.11.18: Psychiatry*

*section 22.11.19: Surgical Research*

## **Religious Studies**

*section 25.11.1: Studies*



**Graduate Certificates are offered in:**

M.Arch. programs offered:

M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research

M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology

Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)  
Kinesiology and Ph

## Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

Agricultural Economics  
Animal Science  
Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment  
Biochemistry; options in Bioinformatics, and Chemical Biology  
Biology; options in Bioinformatics, Environment, and Neotropical Environment  
Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment  
Cell Biology and Anatomy  
Chemical Engineering  
Chemistry; option in Chemical Biology  
Civil Engineering and Applied Mechanics  
Communication Sciences and Disorders  
Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering  
Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery  
Earth and Planetary Sciences; option in Environment  
Entomology; options in Environment, and Neotropical Environment  
Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)  
Food Science and Agricultural Chemistry (Thesis and Non-Thesis)  
Geography; options in Environment, and Neotropical Environment  
Genetic Counselling (Non-Thesis)  
Human Genetics; option in Bioinformatics  
Human Nutrition  
Kinesiology and Physical Education (Thesis and Non-Thesis)  
Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering  
Mechanical Engineering  
Medical Radiation Physics  
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine  
Microbiology and Immunology  
Microbiology (Macdonald Campus); option in Environment  
Mining and Materials Engineering  
Neuroscience  
Nursing  
Otolaryngology  
Parasitology; options in Bioinformatics, and Environment  
Pathology

Occupational Health  
Occupational Therapy  
Plant Science  
Physical Therapy

Other degrees:

Master of Science, Applied (OT)  
Master of Science, Applied (PT)

#### **Master of Social Work Degrees**

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

M.S.W. with B.C.L. and LL.B.

#### **Master of Urban Planning Degree**

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

Options: Transportation Planning and Urban Design.

### **22.4.3 Doctoral Degrees**

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

**The following doctoral degrees are offered (see below for more information about sub-specializations):** Prerequisites:

Doctor of Civil Law (D.C.L.)

B.C.L. or LL.B. and usually LL.M. See Law.

Doctor of Music (D.Mus.)

M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.

Doctor of Philosophy (Ph.D.)

An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in

Civil Engineering and Applied Mechanics  
Classics  
Communication Studies; option in Gender and Women's Studies  
Communication Sciences and Disorders; option in Language Acquisition  
Computer Science; option in Bioinformatics  
Counselling Psychology  
Earth and Planetary Sciences; option in Environment  
Economics  
Educational Psychology  
Educational Studies; option in Gender and Women's Studies  
Electrical Engineering  
English  
Entomology; options in Environment, and Neotropical Environment  
Epidemiology and Biostatistics  
Food Science and Agricultural Chemistry  
French; option in Gender and Women's Studies  
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment  
German  
Hispanic Studies  
History

#### **22.4.4 Postdoctoral Research**

See [section 14.8: Postdoctoral Research](#)

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 "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 by Graduate and Postdoctoral Studies, it will not be changed after obtaining



including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document "Procedures for Admission in *Ad Hoc* Master's and Doctoral Programs", available from GPS.

#### **22.5.4 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 *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer its own graduate programs, may be admitted to an *Ad Personam* program. The regulations are fully described in a document available from GPS.

#### **22.5.5 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/staff/registration](http://www.mcgill.ca/gps/staff/registration).

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be tak

## 22.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

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/requirements/international-degree-equivalency](http://www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency) for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

## 22.6.3 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)

7. McGill Certificate of Proficiency in English or McGill Certificate of Proficiency - English for Professional Communication: Certificate of Proficiency awarded. 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*

### **22.6.5 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 dates for guaranteed consideration. 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 De

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.

*Revised – Council of February 9, 2004.*

### **22.6.11 Deferral of Admission**

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

---

## **22.7 Fellowships, Awards, and Assistantships**

Graduate and Postdoctoral Studies  
(Fellowships and Aw

## **22.8.2 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 are a member of McGill's academic staff qualified in the discipline in which training is being provided and with the abilities to fulfil

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 disputes;



## 22.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

### 1. Assignment of Advisers, Supervisors, and Committees

i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

### 2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

v. **There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.**

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

### 3. Responsibilities



ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v.

Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

### **22.9.3 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*

### **22.9.4 Ph.D. Comprehensives Policy**

#### **Preamble**

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 paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

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 and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

#### **1. General Policy**

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

- 2.** All units that have a Ph.D. comprehensive must adopt an administrativ



In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, "to consult any written submission for which they have received a mark and to discuss this submission with the examiner". Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

**Verification**

In a case where a student feels that totalling errors have been made in arriving at the fi

Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a **leave of absence for health reasons**, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

*Council of FGSR, March 1999*

**Please refer to *University Regulations and Resources > Graduate > Regulations > [section 2.1.11: Leave of Absence Status](#) for information regarding registration of graduate students and Postdocs on such leaves.***

**Procedure:**

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed *Leave of Absence/Non-Resident Request Form* available from [www.mcgill.ca/gps/staff/registration](http://www.mcgill.ca/gps/staff/registration);
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

### **22.9.7 Failure Policy**

Please refer to *University Regulations and Resources > Graduate > Regulations > [section 2.14: Failure Policy](#) for information regarding the policy and procedures to follow in cases of failure.*

### **22.9.8 Guideline on Hours of Work**

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

---

## **22.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees* 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.

### **22.10.5 Guidelines for Research with Animal Subjects**

Please refer to the guidelines for research involving animal subjects available at: [www.mcgill.ca/research/researchers/compliance/animal](http://www.mcgill.ca/research/researchers/compliance/animal).

### **22.10.6 Policy on Intellectual Property**

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

### **22.10.7 Regulations Governing Conflicts of Interest**

Please refer to the regulations governing conflicts of interest available at [www.mcgill.ca/secretariat/policies/conflict/01P/F78.1Tf\(97.38000\)\(mcgill.9d616t4i 03.68](http://www.mcgill.ca/secretariat/policies/conflict/01P/F78.1Tf(97.38000)(mcgill.9d616t4i 03.68)

of B lymphocytes in bone marrow in relation to mechanisms of humoral immunity, immunodeficiency states, and B cell neoplasias; control mechanisms and cytokines in B lymphopoiesis; in situ organization and stromal cell-interactions of B lineage precursor cells in bone marrow; microenvironmental regulation of hemopoiesis; differentiation and regulation of cells mediating natural tumor immunosurveillance; tumor cell biology; cell and molecular biology of the formation of dental enamel, dentin, and bone; structure of organic matrices and inorganic crystals of dental enamel; role of hormones and their binding sites with calcified tissues; secretion and degradation of the proteins of enamel matrix, hypothalamo-pituitary function and gonadotropin patterns in ovarian follicular development; polycystic ovarian disease; computer-assisted modeling of morphometric and kinetic data; cell biology and molecular genetics of aging; senescence and cell cycle-specific genes and their products; cryo-electron microscopy.

**Human Systems Biology Stream** is offered as a complementary stream to the existing M.Sc. and Ph.D. programs entailing a multidisciplinary approach to achieving a M.Sc. and Ph.D. in Cell Biology and Anatomy. The primary objective of this stream is to offer graduate students academic training in Human Systems Biology. This is an exciting and new multidisciplinary field that aims to understand molecular human diseases at the systems level.

#### **Research in the Department**

All applicants must first make arrangements with a faculty member of the Department for acceptance into his/her laboratory to carry out the thesis research ([www.mcgill.ca/anatomy/graduate/appproc/](http://www.mcgill.ca/anatomy/graduate/appproc/)).

#### Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.



**Note:** We are not willing to consider any applications to be admitted for the Summer term.

#### Documents Required

1. Two official copies of complete university-level academic records to date (this also applies to McGill University transcripts). It may be desirable to submit a list of the titles of the courses taken, if transcripts give code numbers only. It is the applicant's responsibility to contact the institution(s) attended and request that the transcripts be forwarded directly to the Department of Anatomy.
2. Two letters of recommendation.  
It is the applicant's responsibility to arrange that these letters are originals, sent directly to the Department of Anatomy from the persons specified by the applicant.
3. Fee of \$100 in Canadian funds for processing the application.
4. TOEFL score (where applicable).

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

#### 22.11.1.4 Anatomy and Cell Biology Faculty

##### Acting Chair

Nathalie Lamarche-*Vane*

##### Emeritus Professors

Gary C. Bennett; B.A., B.Sc.(Sir G. Wms.), M.Sc., Ph.D.(McG.)

Yves Clermont; B.Sc.(Montr.), Ph.D.(McG.), F.R.C.S.

Dennis G. Osmond; C.M., B.Sc., M.B., Ch.B., D.Sc.(Brist.), M.R.C.S., L.R.C.P., F.R.S.C.

Hershey Warshawsky; B.Sc.(Sir G. Wms.), M.Sc., Ph.D.(McG.)

##### Professors

Chantal Autexier; B.Sc.(C' dia), Ph.D.(McG.)

Philip Barker; B.Sc.(S. Fraser), Ph.D.(Alta.) (*joint appt. with Neurology & Neurosurgery*)

James R. Brawer; B.S.(Tufts), Ph.D.(Harv.)

Miguel Burnier; M.D., M.Sc., Ph.D.(Brazil) (*joint appt. with Ophthalmology*)

Samuel David; Ph.D.(Manit.) (*joint appt. with Neurology & NeurosurgtakBe(o)Tj1 0 0 1 l.21Mfou.521Mfou.5a1 8.1 Tf1 0 0 1 70.5r 1569.4811 0 0 1 l.21M0 0 1 70.5r c.*)



### Associate Professors

Orest W. Blaschuk; B.Sc.(Winn.), M.Sc.(Manit.), Ph.D.(Tor.) (*joint appt. with Surgery*)  
Eugene Daniels; M.Sc., Ph.D.(Manit.)  
Elaine Davis; B.Sc., M.Sc.(W. Ont.), Ph.D.(McG.)  
Timothy Kennedy; B.Sc.(McM.), M.Phil., Ph.D.(Col.) (*joint appt. with Neurology & Neurosurgery*)  
M.F. Lalli; B.Sc., M.Sc.(Bowling Green), Ph.D.(McG.)  
Craig Mandato; B.Sc., Ph.D.(Wat.)  
John F. Presley; B.A., Ph.D.(Texas)  
Dieter Reinhardt; M.S.(Kaiserslautern), Ph.D.(Munich) (*joint appt. with Dentistry*)  
Hojatollah Vali; B.Sc., M.Sc., Ph.D.(Munich) (*joint appt. with Earth and Planetary Sciences*)

### Assistant Professors

Fiona Bedford; B.Sc.(Birm.), Ph.D.(Lond.)  
Isabelle Rouiller; Ph.D.(UK)

### Associate Members

John J.M. Bergeron; B.Sc.(McG.), D.Phil.(Oxf.)  
Albert Berghuis (*Biochemistry*)  
Colin Chalk (*Neurology & Neurosurgery*)  
Jean-François Cloutier (*Neurology & Neurosurgery*)  
Claudio Cuello (*Pharmacology & Therapeutics*)  
Giovanni DiBattista (*Medicine*)  
Alyson Fournier (*Neurology & Neurosurgery*)  
Janet Henderson (*Medicine*)  
Robert Scott Kiss (*Biochemistry*)  
Bartha Knoppers (*Human Genetics*)  
Svetlana Komarova (*Dentistry*)  
Paul Lasko (*Biology*)  
Andréa Leblanc (*Neurology & Neurosurgery*)



ANAT 690D1	(3)	Cell and Developmental Biology
ANAT 690D2	(3)	Cell and Developmental Biology

9 credits selected from:

BMDE 502	(3)	BME Modelling and Identification
BMDE 519	(3)	Biomedical Signals and Systems
BTEC 501	(3)	Bioinformatics
COMP 564	(3)	Computational Gene Regulation
COMP 680	(4)	Mining Biological Sequences
EXMD 602	(3)	Techniques in Molecular Genetics
MIMM 613	(3)	Current Topics 1
MIMM 614	(3)	Current Topics 2
MIMM 615	(3)	Current Topics 3

### 22.11.1.6 Doctor of Philosophy (Ph.D.); Cell Biology and Anatomy

#### Thesis

#### Required Courses

Note: Students choose between ANAT 663D1 and ANAT 663D2 OR ANAT 690D1 and ANAT 690D2.

ANAT 663D1	(4.5)	Histology
ANAT 663D2	(4.5)	Histology
ANAT 690D1	(3)	Cell and Developmental Biology
ANAT 690D2	(3)	Cell and Developmental Biology
ANAT 701	(0)	Ph.D. Comprehensive Examination

## 22.11.2 Biochemistry

### 22.11.2.1 Location

Department of Biochemistry  
 McIntyre Medical Sciences Building  
 3655 Promenade Sir-William-Osler  
 Montreal, QC H3G 1Y6  
 Canada

Christine Laberge: Student Affairs Administrator

Telephone: 514-398-2423

Fax: 514-398-4866

Email: [admissions.biochemistry@mcgill.ca](mailto:admissions.biochemistry@mcgill.ca)

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

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

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

### 22.11.2.2 About Biochemistry

The Department of Biochemistry offers M.Sc. and Ph.D. programs, which emphasize laboratory research. Our research interests include molecular and cell biology, the regulation of gene and protein expression, signal transduction, protein structure and function, membrane biology, cell death and differentiation, embryonic development, neurobiology, bioinformatics, and many aspects of cancer. Specialized graduate training programs in Chemical Biology, Human Systems Biology s M.Sc. and Ph.5 1590 0 1 tr4N

Building, together comprising one of the best-equipped research facilities in Canada. The outstanding quality of our research has been recognized by recent awards including a Gairdner Award, two Killam Prizes, and five Canada Research Chairs.

### **Funding**

Master's students receive a minimum stipend of \$20,000 annually; doctoral students receive \$22,000. The Department is committed to helping graduate students secure adequate funding for their research. All students are financially supported either by their supervisor or through fellowships or scholarships. Prospective students are urged to make every effort to secure their own funding. Applications may be made for a variety of fellowships administered by the University or by various federal, provincial, or private agencies. For more information on fellowships and awards, see the Graduate and Postdoctoral Studies website, [www.mcgill.ca/gps](http://www.mcgill.ca/gps).

### **Departmental Seminars**

Visiting scientists and senior doctoral students present their research findings to the Department at a regular seminar series throughout the academic year.



### **22.11.232 Application Procedures**

Applications will be considered upon receipt of:

1. application form;
2. curriculum vitae;
3. application fee (\$100);
4. two official letters of recommendation from professors on letterhead;
5. two official transcripts;
6. test results (TOEFL/GRE) if applicable.

All information is to be submitted to the Admissions Officer, Department of Biochemistry. All applicants are encouraged to contact potential research supervisors during or before the application process since supervisor acceptance is required. Information about the research interests of faculty members can be found at [www.mcgill.ca/biochemistry/graduates/research-interests](http://www.mcgill.ca/biochemistry/graduates/research-interests) and [www.mcgill.ca/biochemistry/department/faculty-members/](http://www.mcgill.ca/biochemistry/department/faculty-members/).

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

#### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

### **22.11.2.4 Biochemistry Faculty**

**Chair**

David Y

## Professors

John R. Silvius; B.Sc., Ph.D.(Alta.)

Nahum Sonenberg; M.Sc., Ph.D.(Weizmann Inst.), F.R.S.C., F.R.S. (*James McGill Professor*)

David Y. Thomas; B.Sc.(Brist.), M.Sc., Ph.D.(Univ

BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
BIOC 605	(3)	Structural Biology and Proteomics
EXMD 615	(3)	Essentials of Glycobiology
EXMD 635D1	(3)	Experimental/Clinical Oncology
EXMD 635D2	(3)	Experimental/Clinical Oncology

Plus additional credits, to a minimum of 6 total complementary course credits, of 500- or higher-level courses in biomedical and allied sciences.

\* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

#### **22.11.2.6 Master of Science (M.Sc.); Biochemistry (Thesis) — Chemical Biology (47 credits)**

##### **Thesis Courses (33 credits)**

BIOC 695	(6)	Thesis Research 1 (Chemical - Biology)
BIOC 698	(12)	Thesis Research 2
BIOC 699	(15)	Thesis Research 3

##### **Required Course (3 credits)**

BIOC 696	(3)	Seminars in Biochemistry
----------	-----	--------------------------

##### **Complementary Courses\* (11 credits)**

Two of the following courses:

BIOC 610	(1)	Seminars in Chemical Biology 1
BIOC 611	(1)	Seminars in Chemical Biology 3
BIOC 689	(1)	Seminars in Chemical Biology 2
BIOC 690	(1)	Seminars in Chemical Biology 4

At least 3 credits from the following:

CHEM 502	(3)	Advanced Bio-Organic Chemistry
CHEM 503	(3)	Drug Design and Development 1
PHAR 503	(3)	Drug Design and Development 1

Note: Students may select either CHEM 503 or PHAR 503.

and at least 3 credits from the following:

BIOC 570	(3)	Biochemistry of Lipoproteins
BIOC 600	(3)	Advanced Strategies in Genetics and Genomics
BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
BIOC 605	(3)	Structural Biology and Proteomics



EXMD 615	(3)	Essentials of Glycobiology
EXMD 635D1	(3)	Experimental/Clinical Oncology
EXMD 635D2	(3)	Experimental/Clinical Oncology

Plus additional credits, to a total of at least 11 complementary course credits from the following list:

CHEM 504	(3)	Drug Design and Development 2
CHEM 522	(3)	Stereochemistry
CHEM 582	(3)	Supramolecular Chemistry
CHEM 591	(3)	Bioinorganic Chemistry
CHEM 621	(5)	Reaction Mechanisms in Organic Chemistry

Org

EXMD 615	(3)	Essentials of Glycobiology
EXMD 635D1	(3)	Experimental/Clinical Oncology
EXMD 635D2	(3)	Experimental/Clinical Oncology

Plus 6 credits from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

\* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

### 22.11.2.8 Doctor of Philosophy (Ph.D.); Biochemistry

#### Thesis

#### Required Courses (3 credits)

BIOC 696*	(3)	Seminars in Biochemistry
BIOC 701**	(0)	Research Seminar 1
BIOC 702**	(0)	Ph.D. Thesis Proposal
BIOC 703**	(0)	Research Seminar 2

\*Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

\*\* NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

Students must complete BIOC 701 in the third term after admission to the program, BIOC 702 in the fifth or sixth term, and BIOC 703 approximately six months prior to submission of the Ph.D. thesis.

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

At least 3 credits selected from:

BIOC 570	(3)	Biochemistry of Lipoproteins
BIOC 600	(3)	Advanced Strategies in Genetics and Genomics
BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
BIOC 605	(3)	Structural Biology and Proteomics
EXMD 615	(3)	Essentials of Glycobiology
EXMD 635D1	(3)	Experimental/Clinical Oncology
EXMD 635D2	(3)	Experimental/Clinical Oncology

Plus additional credits to a minimum of 6 total complementary course credits of 500- or higher-level courses in the biomedical and allied sciences.

\*\*\* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional course w

CHEM 621	(5)	Reaction Mechanisms in Organic Chemistry
CHEM 629	(5)	Organic Synthesis
CHEM 655	(4)	Advanced NMR Spectroscopy
EXMD 510	(3)	Bioanalytical Separation Methods
EXMD 602	(3)	Techniques in Molecular Genetics
PHAR 504	(3)	Drug Design and Development 2
PHAR 562	(3)	General Pharmacology 1
PHAR 563	(3)	General Pharmacology 2
PHAR 707	(3)	Topics in Pharmacology 6

Students can take either CHEM 504 or PHAR 504.

\*\*\* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional course work depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

### 22.11.2.10 Doctor of Philosophy (Ph.D.); Biochemistry — Bioinformatics

#### Thesis

#### Required Courses (6 credits)

BIOC 696*	(3)	Seminars in Biochemistry
BIOC 701**	(0)	Research Seminar 1
BIOC 702**	(0)	Ph.D. Thesis Proposal
BIOC 703**	(0)	Research Seminar 2
COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

\* Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

\*\* NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

Students must complete BIOC 701 in the third term after admission to the program, BIOC 702 in the fifth or sixth term, and BIOC 703 approximately six months prior to submission of the Ph.D. thesis.

#### Complementary Courses\*\*\* (9 credits)

3 credits from the following:

BIOC 570	(3)	Biochemistry of Lipoproteins
BIOC 600	(3)	Advanced Strategies in Genetics and Genomics
BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
BIOC 605	(3)	Structural Biology and Proteomics
EXMD 615	(3)	Essentials of Glycobiology
EXMD 635D1	(3)	Experimental/Clinical Oncology
EXMD 635D2	(3)	Experimental/Clinical Oncology

Plus 6 credits from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

\*\*\* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

### 22.11.3 Bioethics

#### 22.11.3.1 Location

For information, write to:

Jennifer Fishman, Graduate Program Director

Biomedical Ethics Unit

3647 Peel Street

Montreal, QC H3A 1X1

Canada

Telephone: 514-398-6980

Fax: 514-398-8349

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

#### 22.11.3.2 About Bioethics

The Biomedical Ethics Unit was established in 1996 with the aim of supporting scholarly research, clinical services, teaching, and public outreach. Members of the unit have backgrounds in anthropology, history, law, medicine, molecular genetics, philosophy, and sociology. We offer a master's degree specialization in biomedical ethics for selected master's students in the Division of Experimental Medicine, Genetics Department, Philosophy Department, Faculty of Religious Studies, and Faculty of Law.

#### Master's Specialization in Bioethics

The Master's Specialization in Bioethics is sponsored by the:

Faculty of Medicine, Division of Experimental Medicine;

Faculty of Law;

Faculty of Religious Studies; and

Faculty of Arts, Department of Philosophy.

Students receive an M.A., LL.M., or M.Sc. degree in the discipline chosen with a specialization in Bioethics.

Students pursuing the master's degree specialization normally take two semesters of courses before beginning their master's thesis. Courses offered include Bioethics Theory, Public Health Ethics and Policy, Research Ethics, and a Practicum that includes placement in a clinical or research setting. Research and writing the thesis normally takes one year. Students must also comply with the course and thesis requirements of their home disciplines.

#### 22.11.3.3 Bioethics Admission Requirements and Application Procedures

##### 22.11.3.3.1 Admission Requirements

M.D., bachelor's-level professional training in a health science, or bachelor's degree in law, philosophy, or religious studies. Other students may be considered on an individual basis.

Enrolment is limited to 12 students.

##### 22.11.3.3.2 Application Procedures

Applications for the Master's Specialization in Bioethics are made initially through the Faculties of Law, Medicine (Division of Experimental Medicine), Religious Studies, and the Department of Philosophy. McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

Applicants must satisfy the admission criteria for their chosen discipline and those of the Bioethics Unit, which administers the program and teaches the core courses. [www.mcgill.ca/biomedicalethicsunit/masters/apply/](http://www.mcgill.ca/biomedicalethicsunit/masters/apply/)

Applicants must be accepted by the appropriate Faculty, the Bioethics Graduate Studies Advisory Committee, and Graduate and Postdoctoral Studies.

**Bioethics Faculty**

***section 22.11.4.5: Master of Engineering (M.Eng.); Biomedical Engineering (Thesis) (45 credits)***

physiology, or cell biology. BME graduates have secured positions in academia, biomedical and other industries, and government or regulatory sectors. To our knowledge, all of our graduates have secured suitable employment either before or within a few months of graduation.

***section 22.11.4.6: Master of Engineering (M.Eng.); Biomedical Engineering (Thesis) — Bioinformatics (45 credits)***

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics Option is to train M.Eng. students to become researchers in this interdisciplinary field. This includes the development of strategies for e

### **Professors**

D.L. Collins; B.Sc., M.Eng., Ph.D.(McG.) (*joint appt. with Neurology and Neurosurgery*)

A.C. Evans; B.Sc.(Liv.), M.Sc.(Sur.), Ph.D.(Leeds) (*joint appt. with Neurology and Neurosurgery*)

H.L. Galiana; B.Eng., M.Eng., Ph.D.(McG.)

R.E. Kearney; B.Eng., M.Eng., Ph.D.(McG.)

G.B. Pike; B.Eng., M.Eng., Ph.D.(McG.) (*joint appt. with Neurology and Neurosurgery*)

S. Prakash; B.Sc.(Hon.), M.Sc., M.Tech.(BHU), Ph.D.(McG.)

M. Tabrizian; B.Sc.(Iran), M.Sc., Ph.D.(PMC-France), M.B.A.(HEC) (*joint appt. with Dentistry*)

### **Associate Professors**

W.R.J. Funnell; B.Eng., M.Eng., Ph.D.(McG.) (*joint appt. with Otolaryngology*)

J.L. Nadeau; B.A., Ph.D.(Minn.)

### **Assistant Professors**

C. Grov



BMDE 503	(3)	Biomedical Instrumentation
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering
BMDE 506	(3)	Molecular Biology Techniques
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering
BMDE 519	(3)	Biomedical Signals and Systems
BMDE 650	(3)	Advanced Medical Imaging
BMDE 651	(3)	Orthopaedic Engineering
BMDE 652	(3)	Bioinformatics: Proteomics
COMP 526	(3)	Probabilistic Reasoning and AI
COMP 558	(3)	Fundamentals of Computer Vision
COMP 646	(4)	Computational Perception
COMP 761	(4)	Advanced Topics Theory 2
ECSE 523	(3)	Speech Communications
ECSE 526	(3)	Artificial Intelligence
ECSE 529	(3)	Computer and Biological Vision
ECSE 626	(4)	Statistical Computer Vision
ECSE 681	(4)	Colloquium in Electrical Engineering
EXMD 610	(3)	Biomedical Methods in Medical Research
MDPH 607	(3)	Introduction to Medical Imaging
MDPH 611	(2)	Medical Electronics
MDPH 612	(2)	Computers in Medical Imaging
MECH 500	(3)	Selected Topics in Mechanical Engineering
MECH 561	(3)	Biomechanics of Musculoskeletal Systems
PHGY 517	(3)	Artificial Internal Organs
PHGY 518	(3)	Artificial Cells

or, with the approval of the student's Graduate Advisory Committee and the Graduate Program Chair, other graduate-level courses with content of interest to biomedical engineering students.

9 credits selected from the courses listed above, or with approval of the Graduate Chair and Supervisor.

#### **22.11.4.6 Master of Engineering (M.Eng.); Biomedical Engineering (Thesis) — Bioinformatics (45 credits)**

##### **Thesis Courses (24 credits)**

BMDE 693	(6)	Thesis Research 4
BMDE 694	(6)	Thesis Research 5
BMDE 695	(12)	Thesis Submission

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

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

##### **Complementary Courses (18 credits)**

12 credits of courses which have both biomedical content and content from the physical sciences, engineering, or computer science selected from the following:

BIOT 505	(3)	Selected Topics in Biotechnology
BMDE 500D1	(1.5)	Seminars in Biomedical Engineering
BMDE 500D2	(1.5)	Seminars in Biomedical Engineering
BMDE 501	(3)	Selected Topics in Biomedical Engineering
BMDE 502	(3)	BME Modelling and Identification
BMDE 503	(3)	Biomedical Instrumentation
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering
BMDE 506	(3)	Molecular Biology Techniques
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering
BMDE 519	(3)	Biomedical Signals and Systems
BMDE 650	(3)	Advanced Medical Imaging
BMDE 651	(3)	Orthopaedic Engineering
COMP 526	(3)	Probabilistic Reasoning and AI
COMP 558	(3)	Fundamentals of Computer Vision
COMP 646	(4)	Computational Perception
COMP 761	(4)	Advanced Topics Theory 2
ECSE 523	(3)	Speech Communications
ECSE 526	(3)	Artificial Intelligence
ECSE 529	(3)	Computer and Biological Vision
ECSE 626	(4)	Statistical Computer Vision
ECSE 681	(4)	Colloquium in Electrical Engineering
EXMD 610	(3)	Biomedical Methods in Medical Research
MDPH 607	(3)	Introduction to Medical Imaging
MDPH 611	(2)	Medical Electronics
MDPH 612	(2)	Computers in Medical Imaging
MECH 500	(3)	Selected Topics in Mechanical Engineering
MECH 561	(3)	Biomechanics of Musculoskeletal Systems
PHGY 517	(3)	Artificial Internal Organs
PHGY 518	(3)	Artificial Cells

6 credits selected from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

In addition, students are required to present their work as a conference paper or departmental seminar before being granted the M.Eng. (Bioinformatics Option) degree.

#### 22.11.4.7 Doctor of Philosophy (Ph.D.); Biomedical Engineering

##### Thesis

##### Required Course

BMDE 700	(0)	Ph.D. Comprehensive
----------	-----	---------------------

Students must be registered in the course at the time of the Thesis Proposal and Comprehensive Exam Meeting.

#### 22.11.4.8 Doctor of Philosophy (Ph.D.); Biomedical Engineering — Bioinformatics

##### Thesis

##### Required Courses (3 credits)

BMDE 700	(0)	Ph.D. Comprehensive
COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

Any additional coursework required will be determined on an individual basis by the student's adviser and the Graduate Program Director.

##### Complementary Courses (6 credits)

6 credits from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

#### 22.11.5 Communication Sciences and Disorders

##### 22.11.5.1 Location

School of Communication Sciences and Disorders  
Beatty Hall  
1266 Pine Avenue West  
Montreal, QC H3G 1A8  
Canada

Telephone: 514-398-4137  
Fax: 514-398-8123  
Email: [scsd@mcgill.ca](mailto:scsd@mcgill.ca)  
Website: [www.mcgill.ca/scsd](http://www.mcgill.ca/scsd)

##### 22.11.5.2 About Communication Sciences and Disorders

The School provides both professional and research training in communication sciences and disorders at the graduate level through its M.Sc. (Applied), M.Sc., and Ph.D. degrees. We were the first department in Canada to provide both clinical and research degrees. Our M.Sc.A. program aims to educate the next generation of well-prepared and innovative speech-language pathology professionals by providing enriched classroom training, clinical laboratory activities that enhance the transition from theory to practice, and outstanding clinical practicum experiences. Our research degrees are designed to develop leading researchers and scholars, who will go on to train future investigators in the field of communication sciences and disorders and who, through their research, will advance our understanding of the processes of human communication and its breakdown. Interdisciplinary interactions are at the core of our research training approach, which includes preparation to conduct both fundamental and clinically 1 2.iedin





**Research Director**

Linda Polka

**Emeritus Professor**

Donald Doehring; B.A.(Buff.), M.A.(N.M.), Ph.D.(Ind.)

**Professors**

Shari Baum; B.A.(C'neil), M.S.(Vermont), M.A., Ph.D.(Brown)

Athanasios Katsarkas; M.D.(Thess.), M.Sc.(McG.), F.R.C.P.(C)

**Associate Professors**

Vincent Gracco; B.A., M.A.(San Diego), Ph.D.(Wisc.-Madison)

Marc Pell; B.A.(Ott.), M.Sc., Ph.D.(McG.)

Linda Polka; B.A.(Slippery Rock), M.A.(Minn.), Ph.D.(S. Flor.)

Susan Rvachew; B.Sc.(Alta.), M.Sc., Ph.D.(Calg.)

Karsten Steinhauer; M.Sc., Ph.D.(Dr.rer.nat)(Free Univ., Berlin)

Elin Thordardottir; B.A., M.Sc., Ph.D.(Wisc.-Madison)

**Assistant Professors**

Meghan Clayards; B.Sc.(Vic., BC), M.A., Ph.D.(Roch.)

Laura Gonnerman; B.A.(Boston), M.A.(Middlebury), Ph.D.(USC)

Aparna Nadig; B.A.(Reed), M.S., Ph.D.(Brown)

**Assistant Professors (Part-Time)**

Christina Lattermann; Staatlich anerkannte Logopaedin(Westfaelische Wilhelms-Universität, Muenster), M.Sc.(McG.), Ph.D.(Kassel)

Gabriel Leonard; B.A.(Dublin), D.A.P., M.Sc., Ph.D.(McG.)

Rosalee Shenker; B.Sc.(Syrac.), M.A.(Calif. St.), Ph.D.(McG.)

**Faculty Lecturer**

Anne Vogt; B.Ed., B.A.(Tel Aviv), M.Sc.A.(McG.)

**Faculty Lecturers (Part-Time)**

Francois-Xavier Brajot; B.A.(Georgia), M.Sc.(Pitt.)

Myrto Brandeker; M.Sc.(Karolinska Inst.)

Françoise Brosseau-Lapre; B.A., M.Sc.A.(McG.)

Liliane Brunetti; B.Sc.(C'dia), M.Cl.Sc.(W. Ont.)

Patricia Coffin; B.A.(PEI), M.Sc.(Dal.)

Karen Evans; Licentiate(L.C.S.T.), M.A.(Car.), M.Sc.(McG.)

Esther Lando; B.A.(Manit.), M.Sc.A.(McG.)

James Lapointe; B.A., M.Sc.A.(McG.)

Darla Orchard; B.A., M.Sc.(McG.)

Judith Robillard-Shultz; B.A., M.Sc.A.(McG.)

Nechama Srebro-Dworkind; B.A.(C'dia), M.Sc.A.(McG.)

Colleen Timm; B.A.(C'dia), M.Sc.A.(McG.)

### Associate Members

Eva Kehayia (*Physical and Occupational Therapy*)

Yuriko Oshima-Takane (*Psychology*)

### Adjunct Members

Howard Chertkow (*Jewish Gen.*), David McFarland (*Montr.*), Lucie Menard (*UQAM*)

## 22.11.5.5 Master of Science, Applied (M.Sc.A.); Communication Sciences & Disorders (Non-Thesis) — Speech-Language Pathology (69 credits)

The professional degree program involves two academic years of full-time study and related practical work followed by a Summer internship.

### Required Courses (63 credits)

SCSD 609	(3)	Neuromotor Disorders
SCSD 616	(3)	Audiology
SCSD 617	(3)	Anatomy and Physiology: Speech and Hearing
SCSD 618	(3)	Research and Measurement Methodologies 1
SCSD 619	(3)	Phonological Development
SCSD 624	(3)	Language Processes
SCSD 631	(3)	Speech Science
SCSD 632	(3)	Phonological Disorders: Children
SCSD 633	(3)	Language Development
SCSD 636	(3)	Fluency Disorders
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 638	(3)	Neurolinguistics
SCSD 639	(3)	Voice Disorders
SCSD 642	(3)	Aural Rehabilitation
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 644	(3)	Applied Neurolinguistics
SCSD 646	(2)	Introductory Clinical Practicum
SCSD 669	(3)	ASD and Neurodevelopmental Disorders
SCSD 679	(2)	Advanced Clinical Practicum
SCSD 680	(3)	Deglutition and Dysphagia
SCSD 681	(1)	Practicum and Seminar 1
SCSD 682	(1)	Practicum and Seminar 2
SCSD 683	(1)	Practicum and Seminar 3
SCSD 684	(1)	Practicum and Seminar 4
SCSD 689	(1)	Management Cranio-Facial Disorders

### Complementary Courses (6 credits)

Two of the following:

SCSD 634	(3)	Research and Measurement Methods 2
SCSD 664	(3)	Communication Sciences and Disorders 1
SCSD 666	(3)	Communication Sciences and Disorders 3
SCSD 667	(3)	Communication Sciences and Disorders 4

SCSD 670	(3)	Communication Sciences and Disorders 2
SCSD 678	(3)	Special Topics 4

#### **22.11.5.6 Master of Science (M.Sc.); Communication Sciences and Disorders (Thesis) (45 credits)**

##### **Thesis Courses (24 credits)**

SCSD 671	(12)	M.Sc. Thesis 1
SCSD 672	(12)	M.Sc. Thesis 2

##### **Complementary Courses (21 credits)**

6-21 credits chosen from:

SCSD 675	(12)	Special Topics 1
SCSD 676	(9)	Special Topics 2
SCSD 677	(6)	Special Topics 3
SCSD 678	(3)	Special Topics 4

0-15 credits chosen from:

SCSD 673	(12)	M.Sc. Thesis 3
SCSD 674	(3)	M.Sc. Thesis 4

or courses in other departments, as arranged with the student's thesis supervisor.

#### **22.11.5.7 Doctor of Philosophy (Ph.D.); Communication Sciences and Disorders**

##### **Thesis**

##### **Required Courses (12 credits)**

SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 685	(3)	Research Project 1
SCSD 686	(3)	Research Project 2
SCSD 701	(0)	Doctoral Comprehensive

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

Minimum of 6 credits of graduate-level statistics from courses such as:

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 684	(3)	Applied Multivariate Statistics
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 622	(3)	Scientific Communication
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

Any other course requirements specified for the student's individual program of study.



### 22.11.5.8 Doctor of Philosophy (Ph.D.); Communication Sciences and Disorders — Language Acquisition

Students must satisfy all program requirements for the Ph.D. in their home department. The Ph.D. thesis must be on a topic relating to language acquisition, approved by the LAP committee.

#### Thesis

#### Required Courses (14 credits)

EDSL 711	(2)	Language Acquisition Issues 3
LING 710	(2)	Language Acquisition Issues 2
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 701	(0)	Doctoral Comprehensive
SCSD 712	(2)	Language Acquisition Issues 4

#### Complementary Courses (9 credits)

3 credits of graduate-level statistics from courses such as:

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

At least two courses, selected from the following list.

One of these two courses must be from outside Communication Sciences and Disorders.

EDSL 620	(3)	Critical Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Classroom-Centred Second Language Research
EDSL 629	(3)	Second Language Assessment
EDSL 632	(3)	Second Language Literacy Development
EDSL 664	(3)	Second Language Research Methods
LING 555	(3)	Language Acquisition 2

Topics in Acquisition of Phonology

Theory of L2 Acquisition

	(3)	Developmental Psycholinguistics
	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
LING 651	(3)	Developmental Psychology and Language
PSYC 737	(3)	Developmental Psychology and Language
LING 655	(3)	Developmental Psychology and Language
LING 755	(3)	Advanced Seminar: Language Acquisition

SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children
SCSD 633	(3)	Language Development
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2

## 22.11.6 Epidemiology and Biostatistics

### 22.11.6.1 Location

Department of Epidemiology, Biostatistics and Occupational Health  
1020 Pine Avenue West  
Montreal, QC H3A 1A2  
Canada

Telephone: 514-398-6258

Email: [graduate.eboh@mcgill.ca](mailto:graduate.eboh@mcgill.ca)

Website: [www.mcgill.ca/epi-biostat-occh](http://www.mcgill.ca/epi-biostat-occh)

### 22.11.6.2 About Epidemiology and Biostatistics

The Department offers master's and doctoral programs in epidemiology and biostatistics. Beginning in September 2011, the programs include an M.Sc. in Public Health. The methods learned in these fields are used not only in the study of diseases, but also in health services research, program planning and evaluation, and policy development. Our faculty members are at the forefront of their research domains and include clinician scientists, medical informatics specialists, health economists, medical sociologists, and health geographers. Research in the Department spans all clinical specialties, pharmacoepidemiology, social epidemiology, infectious diseases, population and public health, environmental and occupational health, clinical and public health informatics, biostatistics, health care delivery and organization, and many faculty members have funding available for students through their research grants. We provide rich research environments at five university affiliated hospitals, public health agencies, and university research centres. Graduates pursue careers in academia, clinical settings, government agencies, and industry.

### 22.11.6.3 Epidemiology and Biostatistics Faculty

#### Chair

R. Fuhrer

#### Emeritus Professors

M.R. Becklake; M.B.B.Ch., M.D.(Witw.), F.R.C.P.

A. Lippman; B.A.(C'nell), Ph.D.(McG.)

J.C. McDonald; M.B.B.S., M.D.(Lond.), M.Sc.(Harv.), M.R.C.P.(Lond.), F.R.C.P.(C)

I.B. Pless; B.A., M.D.(W. Ont.)

G. Thériault; M.D.(Laval), M.I.H., Dr.P.H.(Harv.)

S. Wood-Dauphinee; B.Sc.(Phys.Ther.), Dip.Ed., M.Sc.(A.), Ph.D.(McG.)

#### Professors Post Retirement

A. Lippman; B.A.(C'nell), Ph.D.(McG.)

I.B. Pless; B.A., M.D.(W. Ont.)

G. Thériault; M.D.(Laval), M.I.H., Dr.P.H.(Harv.)

S. Wood-Dauphinee; B.Sc.(Phys.Ther.), Dip.Ed., M.Sc.(A.), Ph.D.(McG.)

#### Professors

M. Abrahamowicz; Ph.D.(Cracow) (*James McGill Professor*)

J.F. Boivin; M.D.(Laval), S.M., Sc.D.(Harv.)

## Professors

J. Brophy; B.Eng.(McG.), M.Eng., M.D.(McM.), Ph.D.(McG.) (*joint appt. with Medicine*)

E.L.F



**section 22.11.6.4.2: Master of Science (M.Sc.); Epidemiology (Thesis) (48 credits)**

Applicants to the M.Sc. program should hold a bachelor's degree in the natural and quantitative sciences (e.g., microbiology, computer science, statistics, economics, geography) or social sciences (e.g., sociology, psychology, anthropology), or hold a degree in one of the health professional sciences (e.g., medicine, nursing, social work, nutrition). Applicants must have an interest in health research, along with strong conceptual, analytic, and quantitative skills (differential and integral calculus) at the undergraduate level.

The program leading to a master's degree is designed to provide training in both theory and practice in the selected discipline. Courses require intellectual and academic rigour, and the program provides students with an opportunity to synthesize the training in the form of a thesis. Students will study the foundations and principles of epidemiology and applied biostatistics, in order to design, conduct, and analyze clinical, population-based, environmental, pharmaco-epidemiological, policy, and methodological health-related research. Graduates of the program often go on to do doctoral work or become research associates in public, private, and academic settings. McGill graduates are known for methodological and quantitative rigour, and quantitative analytic independence. While their core training is in methods, rather than specific substantive areas, students learn about substantive areas in the context of their research and through elective courses.

**section 22.11.6.4.3: Master of Science (M.Sc.); of Public Health (Non-Thesis) (52 credits)**

The mission of the M.Sc.P.H. is to train outstanding public health professionals and future leaders by offering a rigorous academic program in methods, research, and practice. This program may be of interest for students from the natural and quantitative sciences (e.g., microbiology, computer science, statistics, economics, geography), social sciences (e.g., sociology, psychology, anthropology), or the health professions (e.g., medicine, nursing, social work, nutrition). Students will study the foundations and principles of epidemiology and biostatistics, as applied to public health research and practice, in order to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological public health-related research. Graduates of the program will serve as public health practitioners, research professionals, and educators, and will possess the competencies and professionalism to carry out broad public health functions in local, provincial, national, and international settings. In exceptional circumstances, the admissions committee may take professional experience into account for mid-career or returning/re-entry applicants. The Master's of Public Health program will include a three-month practicum after the first year, which will provide the student with the opportunity to use knowledge and skills acquired in the academic program in a public health practice or research setting.

**section 22.11.6.4.4: Master of Science (M.Sc.); of Public Health (Non-Thesis) — Environment (52 credits)**

A number of departments and faculties throughout McGill University have joined with the McGill School of Environment (MSE) to provide an Environment Option as part of a variety of existing graduate degrees. The option provides students with an appreciation of the role of science in informed decision-making in the environment sector, and the influence that political, socio-economic, and ethical judgments have. The option also provides a forum whereby graduate students bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking. Students who have been admitted through their home department or faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

**section 22.11.6.4.5: Doctor of Philosophy (Ph.D.); Epidemiology**

This program may be of interest for students from the natural and quantitative sciences (e.g., microbiology, computer science, statistics, economics, geography), social sciences (e.g., sociology, psychology, anthropology) or the health professions (e.g., medicine, nursing, social work, nutrition). Applicants must have an interest in health research, along with strong conceptual, analytic, and quantitative skills (differential and integral calculus) at the undergraduate level.

The Ph.D. program prepares students with the advanced epidemiological research skills needed to undertake original contributions to new knowledge related to the determinants of health and disease, prevention, prognosis, treatment, and outcomes. The program is generally completed in four to five years. Graduates will be prepared to engage in scientific collaboration, and communicate results to other scientists and diverse audiences. They will go on to careers in public health, health planning, and quality monitoring in local, regional, federal, and international health authorities, statistical and technology assessment agencies, the pharmaceutical industry, and in clinical and academic research organizations. McGill graduates are known for their methodological and quantitative rigour and quantitative analytic independence. While their core training is in methods, rather than specific substantive areas, students learn about substantive areas in the context of their research and through elective courses.

**section 22.11.6.4.6: Graduate Diploma in Epidemiology (30 credits)**

Applications to the Diploma program will not be accepted for the 2011-2012 academic year.

**22.11.6.4.1 Epidemiology Admission Requirements and Application Procedures****22.11.6.4.1.1 Admission Requirements****Graduate Diploma**

*(Applications to the Diploma program will not be accepted for the 2011-2012 academic year.)*

**Master's**

Applicants to the M.Sc. programs must hold a bachelor's degree in a related area, possess a reasonable level of mathematical competency, and have a good knowledge of differential and integral calculus at the level of a CEGEP or first-year undergraduate course.

**Ph.D.**

Applicants to the Ph.D. program who hold a master's in Epidemiology are eligible for admission to the core year. Applicants with other graduate-level degrees or exceptional students without a master's degree are also eligible and will be considered for admission to a preparatory year.

Complete details on the Epidemiology programs are available on our Departmental website at: [www.mcgill.ca/epi-biostat-occh/grad/epidemiology/requirements](http://www.mcgill.ca/epi-biostat-occh/grad/epidemiology/requirements).

### Language Requirement

Minimum TOEFL scores required, when applicable, of 100 on the Internet-based test. Minimum score for IELTS: 6.5.

#### 2211.641.1.1 Application Procedures

##### Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

Completed applications, with all supporting documents, must reach the Department by the dates for guaranteed consideration.

Please download required documents from our website: [www.mcgill.ca/epi-biostat-occh](http://www.mcgill.ca/epi-biostat-occh), then select the Graduate Studies tab to link to the appropriate degree program.

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

##### 2211.642 Master of Science (M.Sc.); Epidemiology (Thesis) (48 credits)

Students will study the foundations and principles of epidemiology and applied biostatistics, in order to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological health-related research. Graduates will be prepared to engage in scientific collaboration, and communicate results to other scientists and diverse audiences.

##### Thesis Course (24 credits)

EPIB 690	(24)	M.Sc. Thesis
----------	------	--------------

##### Required Courses (22 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

EPIB 601	(4)	Fundamentals of Epidemiology
EPIB 602	(3)	Foundations of Population Health
EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology
EPIB 607	(4)	Inferential Statistics
EPIB 613	(1)	Introduction to Statistical Software
EPIB 614	(1)	Basics of Measurement in Epidemiology
EPIB 621	(4)	Data Analysis in Health Sciences

##### Complementary Course (2 credits)

2 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

##### 2211.643 Master of Science (M.Sc.); of Public Health (Non-Thesis) (52 credits)

Students will study the foundations and principles of epidemiology and biostatistics, as applied to public health research and practice, in order to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological public health-related research. The program will include a three-month practicum after the first year.

##### Research Project (10 credits)

EPIB 630	(10)	Public Health Project
----------	------	-----------------------

##### Required Courses (25 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

EPIB 601	(4)	Fundamentals of Epidemiology
EPIB 602	(3)	Foundations of Population Health
EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology

EPIB 607	(4)	Inferential Statistics
EPIB 612	(3)	Principles of Public Health Practice
EPIB 613	(1)	Introduction to Statistical Software
EPIB 614	(1)	Basics of Measurement in Epidemiology
EPIB 621	(4)	Data Analysis in Health Sciences

**Complementary Courses (17 credits)**

9 credits of coursework at the 500 level or higher with a minimum of:

3 credits in environmental health sciences;

3 credits in health services research policy and management;

3 credits in population and public health interventions (social and behavioral science).

8 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser.

**22.11.644 Master of Science (M.Sc.); of Public Health (Non-Thesis) — Environment (52 credits)**

Students will study the foundations and principles of epidemiology and biostatistics, as applied to public health research and practice, in order to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological public health-related research.

The program will include a three-month practicum after the first year.

**Research Project (10 credits)**

EPIB 630	(10)	Public Health Project
----------	------	-----------------------

**Required Courses (31 credits)**

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
EPIB 601	(4)	Fundamentals of Epidemiology
EPIB 602	(3)	Foundations of Population Health
EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology
EPIB 607	(4)	Inferential Statistics
EPIB 612	(3)	Principles of Public Health Practice
EPIB 613	(1)	Introduction to Statistical Software
EPIB 614	(1)	Basics of Measurement in Epidemiology
EPIB 621	(4)	Data Analysis in Health Sciences

**Complementary Courses (11 credits)**

6 credits of coursework at the 500 level or higher, with a minimum of:

3 credits in health services research policy and management;

3 credits of population and public health interventions (social and behavioural science).

Courses must be chosen and approved in consultation with the student's academic adviser.

3 credits chosen from:

ENVR 519	(3)	Global Environmental Politics
----------	-----	-------------------------------

ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or other courses at the 500 level or higher recommended by the advisory committee and approved by the Environmental Option Committee.

AND

2 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

### **22.11.6.4.5 Doctor of Philosophy (Ph.D.); Epidemiology**

#### **Preparatory Year**

Students who are admitted to the Ph.D. degree program without the equivalent of an M.Sc. in epidemiology at McGill will, in their first year, be required to take, as a minimum, the following courses: EPIB 601, EPIB 602, EPIB 603, EPIB 605, EPIB 607, EPIB 613, EPIB 614, EPIB 621 (equivalent to required coursework of the master's program).

This year is called the Preparatory Year. Students then continue, in their second year, into the Core Year.

#### **Core Year**

Students who are admitted to the Ph.D. degree program with the equivalent of the M.Sc. in epidemiology at McGill will, in their first year, be required to take, as a minimum, 15 credits of required Ph.D. courses. This year is called the Core Year.

#### **Thesis**

#### **Required Courses (12 credits)**

EPIB 608	(3)	Advanced Epidemiology
EPIB 609	(3)	Seminar on Advanced Methods in Epidemiology
EPIB 610	(3)	Advanced Methods: Causal Inference
EPIB 623	(3)	Research Design in Health Sciences
EPIB 701	(0)	Ph.D. Comprehensive Examination
EPIB 702	(0)	Ph.D. Proposal

#### **Complementary Courses (34 credits)**

12-34 credits

0-22 credits\* from the following:

EPIB 601	(4)	Fundamentals of Epidemiology
EPIB 602	(3)	Foundations of Population Health
EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology
EPIB 607	(4)	Inferential Statistics
EPIB 613	(1)	Introduction to Statistical Software
EPIB 614	(1)	Basics of Measurement in Epidemiology
EPIB 621	(4)	Data Analysis in Health Sciences



\* Note: If a student has not already successfully completed them or their equivalent.

12 credits of coursework, at the 500 level or higher, of which a minimum of 3 credits in ethics (medical/public health/research), 3 credits in biostatistics, 3 credits in substantive topic, and 3 credits in epidemiology. Courses must be chosen and approved in consultation with the program's academic adviser.

**Graduate Diploma in Epidemiology (30 credits)**

Minimum TOEFL scores required, when applicable, of 100 on the Internet-based test. Minimum score for IELTS: 6.5.

#### 22.11.65.1.12 Application Procedures

##### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

Completed applications, with all supporting documents, must reach the Department by the dates for guaranteed consideration. Please see our website at [www.mcgill.ca/epi-biostat-occh/grad/biostatistics/applying](http://www.mcgill.ca/epi-biostat-occh/grad/biostatistics/applying) for information on required documents as well as the application deadline.

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

##### **22.11.65.2 Master of Science (M.Sc.); Biostatistics (Thesis) (48 credits)**

Training in statistical theory and methods, applied data analysis, scientific collaboration, communication, and report writing by coursework and thesis.

##### **Thesis Courses (24 credits)**

BIOS 690                      (24)                      M.Sc. Thesis

##### **Required Courses (24 credits)**

Students exempted from any of the courses listed below must replace them with complementary course credits, at the 500 level or higher, chosen in consultation

## Required Courses

BIOS 700	(0)	Ph.D. Comprehensive Examination Part A
BIOS 701	(0)	Ph.D. Comprehensive Examination Part B
BIOS 702	(0)	Ph.D. Proposal

## Complementary Courses (28 credits)

0-28 credits from the following list: (if a student has not already successfully completed them or their equivalent)

BIOS 601	(4)	Epidemiology: Introduction and statistical models
BIOS 602	(4)	Epidemiology: Regression Models
BIOS 624	(4)	Data Analysis & Report Writing
MATH 523	(4)	Generalized Linear Models
MATH 533	(4)	Honours Regression and Analysis of Variance
MATH 556	(4)	Mathematical Statistics 1
MATH 557	(4)	Mathematical Statistics 2

12 credits (chosen and approved in consultation with the student's academic adviser), at the 500 level or higher, in statistics/biostatistics.

6 credits (chosen and approved in consultation with the student's academic adviser), at the 500 level or higher, in related fields (e.g., epidemiology, social sciences, biomedical sciences).

### 22.11.7 Experimental Medicine

Please see "[section 22.11.10: Medicine, Experimental](#)" for more information.

### 22.11.8 Human Genetics

#### 22.11.8.1 Location

Department of Human Genetics  
Stewart Biological Sciences Building  
1205 Dr. Penfield Avenue, N5/13  
Montreal, QC H3A 1B1  
Canada

Telephone: 514-398-4198

Fax: 514-398-2430

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

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

#### 22.11.8.2 About Human Genetics

##### M.Sc. and Ph.D. Degrees in Human Genetics

The Department of Human Genetics offers a clinical Master's program in Genetic Counselling, as well as research training at both the M.Sc. and Ph.D. levels. Both the M.Sc. and Ph.D. research programs require the completion of a thesis, which is the major focus of the student's effort. A minimal amount of coursework is required, but specific course choices are flexible and vary according to the student's previous training and current research interest. The Department also offers a Bioinformatics Option. Information on the Bioinformatics Option can be found at: [www.mcgill.ca/mcb/academic/graduate](http://www.mcgill.ca/mcb/academic/graduate).

Most of the faculty of the Human Genetics Department are located in McGill teaching hospitals, reflecting the medically learned knowledge at the core of human genetic studies.

Faculty have a wide variety of research interests, which embrace: cancer genetics, cytogenetics, reproductive biology, 104 ill.p 1 41d.864 509.5827mr.7.11.7

*section 22.11.8.5: Master of Science (M.Sc.); Human Genetics (Thesis) (45 credits)*

The Department of Human Genetics provides a unified curriculum of study in genetics. Areas of specialization include: biochemical genetics, genetics of development, animal models of human diseases, cancer genetics, molecular pathology, gene therapy, genetic dissection of complex traits, genetics of infectious and inflammatory diseases, non-mendelian genetics, bioinformatics, behavioural genetics, neurogenetics, bioethics, and genomics. Many of our faculty hold cross-appointments in various departments (including: biochemistry, biology, cardiology, medicine, microbiology, immunology, neurology, pathology, paediatrics, pharmacology, psychiatry) within the Faculties of Science and Medicine. This enables numerous opportunities for interdisciplinary research and collaboration. The Department conducts research on all sites of the McGill University Health Centre (MUHC), the Montreal Neurological Institute, the McGill Life Sciences Complex, the McGill University-Genome Quebec Innovation Centre, the Biomedical Ethics Unit, and the Centre for Genomics and Policy





## Professors

M. Lathrop; B.Sc., M.Sc.(Alta.), Ph.D.(Wash.) (*Director, McGill University-Genome Quebec Innovation Centre*)  
D. Malo; D.U.M., M.Sc.(Montr.), Ph.D.(McG.) (*William Dawson Scholar (Medicine)*)  
R. McInnes; C.M.,M.D., Ph.D., F.R.S.C.(McG.) (*Alva Chair in Human Genetics (Director, Lady Davis Research Institute)*)  
K. Morgan; B.S., M.S., Ph.D.(Mich.) (*Medicine*)  
R. Palmour; B.A.(Texas W.), Ph.D.(Texas) (*Psychiatry and Biology*)  
D. Radzioch; M.Sc., Ph.D.(Jagiellonian, Krakow) (*Medicine*)  
D.S. Rosenblatt; M.D.,C.M.(McG.) (*Medicine, Pediatrics and Biology*)  
R. Rozen; B.Sc., Ph.D.(McG.) (*Pediatrics and Biology*)  
E. Schurr; M.Sc., Ph.D.(Albert-Ludwigs, Freiburg) (*Medicine*)  
E. Shoubridge; B.Sc., M.Sc.(McG.), Ph.D.(Br. Col.) (*Neurogenetics*)  
R. St-Arnaud; B.Sc.(Montr.), Ph.D.(Laval) (*Surgery*)  
J. Trasler; M.D.,C.M., Ph.D.(McG.) (*William Dawson Scholar (Pathology and Pediatrics)*)

## Associate Professors

A. Ao; Ph.D.(Lond.) (*OBS/GYN*)  
D. Avard; Ph.D.(Camb.) (*Centre of Genomics and Policy*)  
N. Braverman; B.Sc.(C' nell), M.Sc.(Sarah Lawrence), M.D.(Tulane) (*Pediatrics*)  
T. Costa; M.D.(Ott.) (*Pediatrics*)  
K. Dewar; Ph.D.(Laval) (*Genome Quebec*)  
S. Melançon; M.D.(Montr.)  
R. Nadon; B.A., M.A., Ph.D.(C' dia)  
L. Russell; B.A., M.D.(Ind.) (*Pediatrics*)  
P. Tonin; B.Sc., M.Sc., Ph.D.(Tor.) (*Medicine*)  
S. Vidal; Ph.D.(Genève) (*Medicine*)

## Assistant Professors

L. Beitel; Ph.D.(McG.) (*Biochemistry*)  
L. Cartier; B.Sc., M.Sc.(McG.)  
G. Chong; Ph.D.(Kansas)  
M. Fujiwara; M.Sc.(Alta.) (*Quantitative Genetics*)  
Y. Joly; Ph.D.(McG.) (*Centre of Genomics and Policy*)  
J. Majewski; B.Sc., M.Sc.(Stan.), Ph.D.(Wesl.)  
P. Moffatt; Ph.D.(Montr.) (*Pharmacology*)  
T. Pastinen; M.D., Ph.D.(Helsinki)  
R. Sladek; B.A.Sc., M.D.(Tor.)  
R. Slim; M.Sc.(Lebanon), M.Sc., Ph.D.(Paris VII)  
M. Tischkowitz; M.D., Ph.D.(Lond.) (*Cancer Genetics*)  
S. Wallace; Ph.D.(Sheff.) (*Centre of Genomics and Policy*)  
Y. Yamanaka; Ph.D.(Osaka) (*Goodman Cancer Research Centre*)

## Lecturers

N. Bolduc (*Pediatrics*), S.M. Chiu (*Pediatrics*), S. Drury (*Pediatrics*), J. Fitzpatrick (*Pediatrics, Medicine*), S. Fox (*Medicine*), L. Kasprzak (*Medicine*), M. Lalous (*Medicine*), L. Palma (*Medicine*), C. Pouchet (*JGH*), A. Secord (*Pediatrics*), A. Werhane (*Medicine*)

### Associate Members

*Biochemistry*: P. Gros; D. Thomas

*Bioethics*: J. Kimmelman

*Cardiology*: J. Genest

*Endocrinology*: J. Mitchel, C. Polychonakos

*Epidemiology*: A. Lippman

*Law*: R. Gold

*Medical Genetics (MUHC)*: R. Agatep, I. DeBie, S. Levesque

*Medicine*: D. Cournoyer, J. Engert, B. Gilfix, B. Gottlieb, C. Haston, G. Hendy, A. Karaplis, R. Koenekoop, A. Peterson, F. Rauch, E. Skamene, M. Trifiro

*Nephrology*: I. Gupta

*Obs.-Gyn.*: R. Gagnon; A. Naumova

*Pathology*: A. Spatz

*Pediatrics*: P. Goodyer, N. Jabado, L. Majewska, J. Mitchell, A. Ryan

*Psychiatry*: G. Turecki

*Surgery*: P. Roughley

### Assistant Professors

T. Hudson (OICR)

G. Rouleau (CHUM)

**22.11.8.5 Master of Science (M.Sc.); Human Genetics (Thesis) (45 credits)**



HGEN 695	(3)	Psychiatric Genetics
HGEN 696	(3)	Advanced Readings in Genetics 1
HGEN 697	(3)	Advanced Readings in Genetics 2
HGEN 698	(3)	Advanced Readings in Genetics 3
HGEN 699	(3)	Advanced Readings in Genetics 4

Note: The Graduate Advisory Committee may stipulate additional course work at the 500, 600, or 700 level depending on the background of the candidate.

#### **22.11.8.6 Master of Science (M.Sc.); Human Genetics (Thesis) — Bioinformatics (45 credits)**

##### **Thesis Courses (33 credits)**

HGEN 680	(9)	M.Sc. Thesis Research 1
HGEN 681	(12)	M.Sc. Thesis Research 2
HGEN 682	(12)	M.Sc. Thesis Research 3

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

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
HGEN 692	(3)	Human Genetics

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

6 credits from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

#### **22.11.8.7 Master of Science (M.Sc.); Human Genetics (Thesis) — Bioethics (45 credits)**

##### **Thesis Courses (30 credits)**

30 credits selected as follows:

HGEN 681	(12)	M.Sc. Thesis Research 2
HGEN 682	(12)	M.Sc. Thesis Research 3
HGEN 683	(6)	M.Sc. Thesis Research 4

##### **Required Courses (12 credits)**

12 credits from:

BIOE 680	(3)	Bioethical Theory
BIOE 681	(3)	Bioethics Practicum
HGEN 662	(3)	Laboratory Research Techniques
HGEN 692	(3)	Human Genetics

**Complementary Courses (3 credits)**

3 credits from the following:

BIOE 682	(3)	Medical Basis of Bioethics
CMPL 642	(3)	Law and Health Care
PHIL 543	(3)	Seminar: Medical Ethics
RELG 571	(3)	Religion and Medicine

**22.11.8.8 Master of Science (M.Sc.); Genetic Counselling (Non-Thesis) (48 credits)****Required Courses - Phase I (24 credits)**

HGEN 600D1	(3)	Genetic Counselling Practicum
HGEN 600D2	(3)	Genetic Counselling Practicum
HGEN 601	(3)	Genetic Counselling Principles
HGEN 620D1	(4.5)	Introductory Field Work Rotations
HGEN 620D2	(4.5)	Introductory Field Work Rotations
HGEN 660	(3)	Genetics and Bioethics
PATH 653	(3)	Reading and Conference

**Required Courses - Phase II (24 credits)**

HGEN 610	(3)	Genetic Counselling: Independent Studies 1
HGEN 611	(3)	Genetic Counselling: Independent Studies 2 Adv

HGEN 690	(3)	Inherited Cancer Syndromes
HGEN 691	(3)	Host Responses to Pathogens
HGEN 693	(3)	Using Bioinformatics Resources
HGEN 694	(3)	Microarray Statistical Analysis
HGEN 695	(3)	Psychiatric Genetics
HGEN 696	(3)	Advanced Readings in Genetics 1
HGEN 697	(3)	Advanced Readings in Genetics 2
HGEN 698	(3)	Advanced Readings in Genetics 3
HGEN 699	(3)	Advanced Readings in Genetics 4

Students are restricted to taking any two of the following courses:

HGEN 670	(3)	Advances in Human Genetics 1
HGEN 671	(3)	Advances in Human Genetics 2
HGEN 672	(3)	Advances in Human Genetics 3

Note: The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate.

#### **22.11.8.10 Doctor of Philosophy (Ph.D.); Human Genetics — Bioinformatics**

##### **Thesis**

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

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
HGEN 692	(3)	Human Genetics
HGEN 701	(0)	Ph.D. Comprehensive Examination

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

\* Two courses from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

\* Note: Students who enter in Ph.D. 1 will need to take an additional 6 credits of complementary courses chosen from the departmental offerings listed for the Ph.D. in Human Genetics and/or from among 500-, 600-, or 700-level courses in the Faculties of Medicine or Science.

#### **22.11.9 Medical Physics**

##### **22.11.9.1 Location**

Medical Physics Unit  
 Montreal General Hospital  
 Livingston Hall, Room L5-113  
 1650 Cedar Avenue  
 Montreal, QC H3G 1A4  
 Canada

Telephone: 514-934-1934 ext. 44158

Fax: 514-934-8229

Email:

All supporting application materials should be sent directly to the Administrative Coordinator, Medical Physics Unit, and should reach the Department by January 15, 2012.

#### **22.11.9.4 Medical Physics Faculty**

##### **Director**

J.P.F. Seuntjens

##### **Emeritus Professor**

E.B. Podgorsak; Dipl.Ing.(Ljubljana), M.Sc., Ph.D.(Wisc.), F.C.C.P.M., F.A.A.P.M., D.A.B.M.P., D.A.B.R.

##### **Professors**

S.M. Lehnert; B.Sc.(Nott.), M.Sc., Ph.D.(Lond.)

G.B. Pike; B.Eng.(St. John's), M.Eng., Ph.D.(McG.)

J.P.F. Seuntjens; M.Sc., Ph.D.(Ghent), F.C.C.P.M., F.A.A.P.M

##### **Associate Professor**

I. El Naqa; B.Sc., M.S.(Jordan), Ph.D.(Chic.), M.A.(Wash.), D.A.B.R.

##### **Assistant Professor**

M.D.C. Evans; B.A.(Qu.), M.Sc.(McG.), F.C.C.P.M.

##### **Lecturers**

F. DeBlois, S. Devic, A. Gauvin, G. Hegyi, C. Janicki, J. Kildea, P. Léger, W.A. Parker, H.J. Patrocinio, R. Ruo, G. Stroian

##### **Associate Members**

A. Reader, R.B. Richardson, E. Soisson, N. Tomic, W. Wierzbicki

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

## **22.11.10 Medicine, Experimental**

### **22.11.10.1 Location**

Division of Experimental Medicine  
Department of Medicine  
Lady Meredith House, Room 101  
1110 Pine Avenue West  
Montreal, QC H3A 1A3  
Canada

Telephone: 514-398-3466

Fax: 514-398-3425

Email: [experimental.medicine@mcgill.ca](mailto:experimental.medicine@mcgill.ca)

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

### **22.11.10.2 About Experimental Medicine**

Experimental Medicine is a Division of the Department of Medicine charged with the task of providing graduate education in the Department, and enabling professors located in the research institutes of the McGill teaching hospitals and certain other centres to supervise graduate students. The Division offers various programs, each of which has different training objectives (see below). The international recognition of the high-quality training accorded our graduates is in essence what distinguishes it from other programs.

### ***section 22.11.10.10: Doctor of Philosophy (Ph.D.); Experimental Medicine — Environment***

Applicants to the Ph.D. (Environment Option) must meet the same qualification as those to the M.Sc. (Environment Option), the only difference being that they must hold an M.Sc. rather than simply a B.Sc. For further details, please see the section above regarding the M.Sc. (Environment Option).

### ***section 22.11.10.11: Graduate Diploma in Clinical Research (30 credits)***

The objectives of this program are to give students exposure to both theoretical and practical issues relevant to the conception and conduct of a clinical research study, as well as allowing them to put these principles in practice by participating in an ongoing clinical trial. The core element of the diploma is the Practicum in Clinical Research. It is an active "clerkship" or "intern/resident type" participation in an ongoing clinical trial and/or research program. Six 1-credit workshops will be provided by experts in the academic, industrial, and government sectors, and cover wide-ranging issues pertinent to the conduct of clinical research. The training provided qualifies students to manage and design clinical research studies in both academic and industrial settings.

## **22.11.10.3 Medicine, Experimental Admission Requirements and Application Procedures**

### **22.11.10.3.1 Admission Requirements**

For all four programs, candidates educated outside of Canada and the United States must submit GRE (General Examination) scores.

#### **M.Sc. or Ph.D. in Experimental Medicine**

Admission to graduate studies and research in Experimental Medicine is no longer solely restricted to students who wish to register for the Ph.D. degree. Candidates who hold only a major or honours B.Sc. degree, or an M.D. degree, must apply to the M.Sc. program, unless they have an undergraduate CGPA of 3.5 or more out of a possible 4.0, in which case they may apply for direct entry into the Ph.D. if they so desire. Candidates who already hold an M.Sc. apply directly to the Ph.D. program.

Admission is based on an evaluation by the Admissions Committee, which looks for evidence of high academic achievement, and on acceptance by a research director. It is the policy of the Division that all students must be financially supported either by their supervisor or through studentships or fellowships.

In addition to the documentation currently required by Graduate and Postdoctoral Studies, a letter from the candidate's research director outlining the M.Sc. or Ph.D. project is necessary.

#### **M.Sc. (Bioethics Option)**

Admission to the master's program in Bioethics, from the base discipline Medicine, shall be limited to students having degrees in Medicine, Nursing, Physical and Occupational Therapy, as well as any other professional health training degree. Students who do not fit these criteria may be considered for admission on an individual basis.

For those who apply to the M.Sc. (Bioethics Option), the requirements, as well as the application dates for guaranteed consideration are different. For further information regarding this program, please refer to the Bioethics entry or visit their website at [www.mcgill.ca/biomedicalethicsunit/masters](http://www.mcgill.ca/biomedicalethicsunit/masters).

#### **M.Sc. (Environment Option)**

For those applicants wishing to apply to the Master's program (Environment Option), it should be noted that, although the requirements and application dates for guaranteed consideration remain the same, the student must remit additional documents which constitute their application to NOT ONLY the Division of Experimental Medicine but ALSO to the McGill School of Environment. All the relevant information can be found on the School of Environment website at [www.mcgill.ca/mse/programs/envroption](http://www.mcgill.ca/mse/programs/envroption).

The option of in-course addition of the Environment Option is also available to students in Experimental Medicine. For further information, students should refer to the departmental website or contact the student affairs office.

#### **M.Sc. (Family Medicine Option)**

The M.Sc. in Experimental Medicine (Thesis) – Family Medicine option is designed to provide research training to family physicians practising in Quebec interested in conducting research in family medicine. Exceptionally, students who do not fit these criteria may be considered for admission on an individual basis.

For those who apply to the M.Sc. (Family Medicine Option), the requirements, as well as the application deadline are different. For further information regarding this program, please visit their website at: [www.mcgill.ca/familymed/mastersprogram](http://www.mcgill.ca/familymed/mastersprogram).

#### **Graduate Diploma in Clinical Research**

The Diploma program is open to health care and research professionals, medical residents, postgraduates, medical regment, ple1 Tf13dentsTjfv493dents 0 ujeeese.52 223.68 T

5. letters of reference (2);
6. \$100 application fee;
7. test results (TOEFL and GRE);
8. additional documents (in the case of both the M.Sc. (Bioethics Option) and the M.Sc. (Environment Option)).

All information is to be submitted to the Departmental Office.

McGillTh1 64686.477 Tm(8.)Tj/F1 893.174los7.69nline81.693 715.06 .526 .5 graduate programIndidates06 Ta000



## Professors

S. Lehnert; B.Sc.(Nottingham), M.Sc., Ph.D.(Lond.)  
M. Levy; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)  
M.S. Ludwig; M.D.(Manit.), F.R.C.P.(C)  
S. Magder; M.D.(Tor.), F.R.C.P.(C)  
D. Malo; D.V.M., M.Sc.(Montr.), Ph.D.(McG.)  
O.A. Mamer; B.Sc., Ph.D.(Windsor)  
E. Marliss; M.D.(Alta.), F.R.C.P.(C)  
J. Martin; B.Sc., M.B., B.Ch., M.D.(Cork), F.R.C.P.(C)  
J. Milic-Emili; M.D.(Milan), F.R.S.C.  
W.H. Miller; A.B.(Princ.), Ph.D.(Rock.), M.D.(C'nell)  
W.J. Muller; B.Sc., Ph.D.(McG.)  
A. Nepveu; B.Sc., M.Sc.(Montr.), Ph.D.(Sher.)  
T. Nilsson; B.Sc., Ph.D.(Sweden)  
L. Panasci; B.Sc., M.D.(G'town)  
K. Pantopoulos; B.Sc., Ph.D.(Aristotelian, Greece)  
V. Papadopoulos; D.Pharm.(Athens), Ph.D.(Paris)  
M. Park; B.Sc., Ph.D.(Glas.)  
A.C. Peterson; B.Sc.(Vic., BC), Ph.D.(Br. Col.)  
B.J. Petrof; M.D.(Laval)  
M.N. Pollak; M.D.,C.M.(McG.), F.R.C.P.(C)  
P. Ponka; M.D., Ph.D.(Prague)  
B. Posner; M.D.(Manit.), F.R.C.P.(C)  
W.S. Powell; B.A.(Sask.), Ph.D.(Dal.)  
S. Prakash; M.Sc., Mhens), Ph.D.(P



### Associate Professors

B. Turcotte; B.Sc., Ph.D.(Laval)

B.J. Ward; M.D.,C.M.(McG.), M.Sc.(Oxf.), F.R.C.P.(C)

### Assistant Professors

R. Aloyz; B.A., M.Sc., Ph.D.(Argentina)

C. Baglole; B.Sc., M.Sc.(PEI), Ph.D.(Calg.)

M. Chevrette; B.Sc., M.Sc., Ph.D.(Laval)

S. Daskalopoulou; M.D.(Athens)

M. Divangahi; B.Sc.(McM.), Ph.D.(McG.)

B. Gilfix; B.Sc.(Manit.), Ph.D.(W. Ont.), M.D.,C.M.(McG.), F.R.C.P.(C)

C. Haston; B.Sc.(W. Ont.), M.Sc.(Tor.), Ph.D.(Texas)

N. Johnson; B.Sc.(C'dia), M.D.(Ott.), Ph.D.(Br. Col.), F.R.C.P.(C)

M. Kokoeva; B.Sc., Ph.D.(Russia)

L. Koski; B.Sc.(Tor.), Ph.D.(McG.)

A. Kristof; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)

S. Lehoux; B.Sc.(Bishop's), Ph.D.(Sher.)

C. Liang; B.Sc., Ph.D.(Nankai)

B. Mazer; B.Sc.(Col.), M.D.,C.M.(McG.), F.R.C.P.(C)

M. Murshed; M.Sc.(Brussels), Ph.D.(Cologne)

D. Nguyen; M.D.,C.M.(McG.), F.R.C.P.(C)

R. Rajan; B.Sc., M.D.(Manit.), M.Sc.(McM.)

C. Rocheleau; B.A.(Assumption Coll.), Ph.D.(Mass.)

S. Rousseau; B.Sc., M.Sc., Ph.D.(Laval)

M. Saleh; B.Sc., M.Sc.(Beirut), Ph.D.(McG.)

M. Sebag; B.Sc., Ph.D.(McG.), M.D.(Tor.), F.R.C.P.(C)

P. Siegel; B.Sc., Ph.D.(McM.)

R. Sladek; B.Sc., M.D.(Tor.), F.R.C.P.(C)

E. Torban; B.Sc., M.Sc.(Russia), Ph.D.(McG.)

### Associate Members, McGill

G. Bartlett, M. Basik, E. Bereza, J.D. Bobyn, D. Boivin, M. Bouchard, J. Bourbeau, P. Brodt, K. Brown, D.H. Burns, S. Chevalier, R.-C. Chian, H. Clarke, T. Duchaine, D. Dufort, C. Ells, R. Farookhi, K. Glass, C. Goodyer, P. Goodyer, W. Gotlieb, M. Götte, I. Gupta, J. Haggerty, M. Hunt, N. Jabado, M. Kaartinen, N. Kabani, J. Kimmelman, A. Koromilas, L. Lands, J. Lapointe, C. Mandato, A. Macaulay, K. Mann, L. McCaffrey, C. McCusker, M. Meaney, T. Muanza, M. Nagano, J. Nalbantoglu, M. Ndao, F. Ni, C. O'Flaherty, A. Pause, H. Perrault, C. Piccirillo, P. Pluye, C. Polychronakos, J. Rak, C. Rodriguez, E. Rosenberg, A. Ryan, G. Sant'Anna, R. Schirmacher, R. Slim, N. Sonenberg, M. Sullivan, S.L. Tan, G. Tannenbaum, M. Tremblay, J. Ursini-Siegel, M. Ware, M. Witcher, C. Wu, M. Yaffe, J. Zwaagstra

### Associate Members, Université de Montréal

J. Archambault, R. Butterworth, M. Cayouette, F. Charron, E. Cohen, J.-F. Côté, V. Dave, J. Davignon, C. Deal, A. Deng, C.F. Deschepper, C. Desrosiers, J.M. Di Noia, J. Drouin, H. Gu, J. Gutkowska, P. Hamet, Z. Hanna, P. Jolicoeur, A. Kania, M. Kmita, C. Lazure, E. Lecuyer, S. Mader, T. Moroy, M. Oeffinger, K. Podypanina, R. Rabasa-Lhoret, E. Racine, M. Raymond, T. Reudelhuber, M. Sairam, N. Seidah, R.-P. Sekaly, W.-K. Suh, J. Tremblay, M. Trudel, W.Y. T

**22.11.10.5 Master of Science (M.Sc.); Experimental Medicine (Thesis) (45 credits)**

**Thesis Courses (36 credits)**

24-36 credits selected from the following:

EXMD 690	(3)	Master's Thesis Research 1
EXMD 691	(6)	Master's Thesis Research 2
EXMD 692	(9)	Master's Thesis Research 3
EXMD 693	(12)	Master's Thesis Research 4
EXMD 694	(12)	Master's Thesis Research 5

**Complementary Courses (21 credits)**

9-21 credits of courses at the 500, 600, or 700 level chosen in consultation with the Supervisor. A minimum of 9 course credits is required for students entering the program with a bachelor's or M.D. degree.

**22.11.10.6 Master of Science (M.Sc.); Experimental Medicine (Thesis) — Bioethics (45 credits)**

**Thesis Courses (24 credits)**

BIOE 690	(3)	M.Sc. Thesis Literature Survey
BIOE 691	(3)	M.Sc. Thesis Research Proposal
BIOE 692	(6)	M.Sc. Thesis Research Progress Report
BIOE 693	(12)	M.Sc. Thesis

**Required Courses (6 credits)**

BIOE 680	(3)	Bioethical Theory
BIOE 681	(3)	Bioethics Practicum

**Complementary Coury 3-Tj1 0 1 0 0r'sTm(E prduates of cour(the 500, 600, or 700 le)Tj1 0 3 1 5167212 3651.77 Survel chosen in consultati**

ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3

**Complementary Courses (15 credits)**

3 credits from one of the following courses\*:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

\* or another course at the 500, 600, or 700 level recommended by the advisory committee and approved by the Environment Option Committee.

12 credits of courses at the 500, 600, or 700 level chosen in consultation with the student's academic supervisor.

**22.11.10.8 Master of Science (M.Sc.); Experimental Medicine (Thesis) — Family Medicine (45 credits)**

**Thesis Courses (24 credits)**

EXMD 693	(12)	Master's Thesis Research 4
EXMD 694	(12)	Master's Thesis Research 5

**Required Courses (17 credits)**

DENT 672	(3)	Applied Mixed Methods in Health Research
EPIB 507	(3)	Biostatistics for Health Professionals
EPIB 600	(3)	Clinical Epidemiology
FMED 500	(1)	Introduction to Research
FMED 600	(1)	Mixed Studies Reviews

Advanced Topics in Famil(22.11.10.8m 261.243 Tm(anced )Tj1 49 26ctal Seminar 1)Tj1 j1 0 0 1 221n Committeence94

**Required Courses**

EXMD 701D1	(0)	Comprehensive Oral Examination
EXMD 701D2	(0)	Comprehensive Oral Examination

**Complementary Courses (18 credits)**

(12-18 credits)

A minimum of 12 course credits is required for students entering the program with a prior master's degree. Students having been fast-tracked to the Ph.D. must complete a total of 18 credits (9 credits in addition to the 9 which were originally requested upon entry into the M.Sc. program).

**Doctor of Philosophy (Ph.D.); Experimental Medicine — En**



Candidates are required to hold a B.Sc. degree in microbiology and immunology, biology, biochemistry, or another related discipline; those with the M.D., D.D.S., or D.V.M. degrees are also eligible to apply. The minimum grade point average for acceptance into the program is 3.2 (out of 4.0). Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available.

The Test of English as a Foreign Language (TOEFL):

- Paper-Based Test (PBT): a minimum score of 575
- Internet-Based Test (iBT): a minimum overall score of 95
- The International English Language Testing System (IELTS): a minimum overall band score of 7.0

The TOEFL Institution Code for McGill University is 0935.

#### **Ph.D.**

Students who have satisfactorily completed an M.Sc. degree in microbiology and immunology, a biological science, or biochemistry, or highly qualified students enrolled in the departmental M.Sc. program, may be accepted into the Ph.D. program provided they meet its standards.

#### **2211.11.32 Application Procedures**

Applications will be considered upon receipt of:

1. online application;
2. two official transcripts;
3. two letters of reference;
4. letter from a prospective supervisor;
5. \$100 application fee;
6. TOEFL test (GRE not required but recommended).

All information is to be submitted directly to the Student Affairs Officer in the Department of Microbiology and Immunology.

All applicants are encouraged to approach academic staff members during or before the application process since no applicants are accepted without a supervisor.

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

#### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

All applications and documents must be submitted by the dates for guaranteed consideration.

#### **22.11.11.4 Microbiology and Immunology Faculty**

##### **Chair**

M.G. Baines (retiring May 31, 2011) (*Interim Chair*)

##### **Emeritus Professors**

G. Faubert

R.A. MacLeod

##### **Professors**

A. Berghuis; M.Sc.(The Netherl.), Ph.D.(Br. Col.)

J.W. Coulton; B.Sc.(Tor.), M.Sc.(Calg.), Ph.D.(W. Ont.)

J. Hiscott; B.Sc., M.Sc., Ph.D.(W. Ont.)

G.J. Matlashewski; B.Sc.(C'dia), Ph.D.(Ohio)

R.A. Murgita; B.Sc.(Maine), M.S.(Vermont), Ph.D.(McG.)

M.A. Wainberg; B.Sc.(McG.), Ph.D.(Col.)



## Associate Professors

D.J. Briedis; B.A., M.D.(Johns Hop.)

B. Cousineau; B.Sc., M.Sc., Ph.D.(Montr.)

S. Fournier; Ph.D.(Montr.)

M. Gotte; Ph.D.(Max Planck)

H. Le Moual; Ph.D.(Montr.)

G. T. Marczyński; B.Sc., Ph.D.(Ill.)

M. Olivier; B.Sc.(Montr.), Ph.D.(McG.)

C. Piccirillo; B.Sc., Ph.D.(McG.)

D. Sheppard; M.D.(Tor.)

S. Vidal; Ph.D.(Geneva) M. Gotte; Ph.D.(Max Planck, 456 Tm(Aistantite Pr)Tj1 0 0 1 2.446lanck,456 Tm(ofessors)Tj/F1 8.1 Tf1 0 0 1 70.552646.52 TmD.JFritzal; Ph.D.

MIMM 615 (3) Current Topics 3

**Complementary Courses (6 credits)**

6 credits, two of the following courses:

MIMM 616 (3) Reading and Conference 1  
MIMM 617 (3) Reading and Conference 2  
MIMM 618 (3) Reading and Conference 3  
MIMM 619 (3) Reading and Conference 4

Other courses may be required to strengthen the student's background.

**22.11.11.6 Doctor of Philosophy (Ph.D.); Microbiology and Immunology****Thesis****Required Courses (18 credits)**

MIMM 611 (3) Graduate Seminars 1  
MIMM 612 (3) Graduate Seminars 2  
MIMM 613 (3) Current Topics 1  
MIMM 614 (3) Current Topics 2  
MIMM 615 (3) Current Topics 3  
MIMM 701 (0) Comprehensive Examination-Ph.D. Candidate  
MIMM 713 (3) Graduate Seminars 3

**Complementary Courses (12 credits)**

(minimum of 12 credits)

Three courses from List A and a minimum of three consecutive courses from List B

**List A:**

MIMM 616 (3) Reading and Conference 1  
MIMM 617 (3) Reading and Conference 2  
MIMM 618 (3) Reading and Conference 3  
MIMM 619 (3) Reading and Conference 4

**List B:**

MIMM 721 (1) Ph.D. Research Progress Report 1  
MIMM 722 (1) Ph.D. Research Progress Report 2  
MIMM 723 (1) Ph.D. Research Progress Report 3  
MIMM 724 (1) Ph.D. Research Progress Report 4

Other courses may be required to strengthen the student's background.

## 22.11.12 Neuroscience (Integrated Program in)

### 22.11.12.1 Location

Montreal Neurological Institute, Room 141  
3801 University Street  
Montreal, QC H3A 2B4  
Canada

Telephone: 514-398-1229 / 398-6243 / 398-1905

Fax: 514-398-4621

Email: [ipn@mcgill.ca](mailto:ipn@mcgill.ca) or [ipn.admissions@mcgill.ca](mailto:ipn.admissions@mcgill.ca)

Website: [www.mcgill.ca/ipn](http://www.mcgill.ca/ipn) **Integ19 Tc1 0 0 1 68.52 691.144 T0 G0 g/p.1**

*section 22.11.12.6: Doctor of Philosophy (Ph.D.); Neuroscience*

In exceptional circumstances, students MAY enter the Ph.D. program directly from their undergraduate degree if a CGPA of 3.7 is attained and if the student already presents extensive research experience.

**22.11.12.3 Neuroscience (Integrated Program in) Admission Requirements and Application Procedures**

**22.11.12.3.1 Admission Requirements**

**General**

The applicant must be a university graduate and hold a bachelor's degree in a field related to the subject selected for graduate work.

The applicant must present evidence of high academic achievement. A standing equivalent to a cumulative grade point average of 3.0 out of a possible 4.0 is required by Graduate and Postdoctoral Studies; however, the IPN prefers applicants to show a higher Academic Standing, and requires a minimum CGPA of 3.3.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit results of the TOEFL exam with their application and ha

## **Emeritus Professors**

M. Diksic; Ph.D., Dept. of Neurology and Neurosurgery

C. Thompson; D.Sc., F.C.C.P.M., Dept. of Neurology and Neurosurgery

## Professors

E. Hamel; B.Sc.(Sher.), Ph.D.(Montr.), Dept. of Neurology and Neurosurgery

K. Hastings; B.Sc., Ph.D.(McG.), Dept. of Neurology and Neurosurgery

R. Hess; Ph.D.(Melb.), D.Sc.(Aston, UK), Dept. of Ophthalmology

P.C. Holland; B.A.(Lanc.), Ph.D.(Newcastle, UK), Dept. of Neurology and Neurosurgery

B. Jones; B.A., M.A., Ph.D.(Delaware), Dept. of Neurology and Neurosurgery

M. Jones-Gotman; B.A.(Calif.), M.A., Ph.D.(McG.), Dept. of Neurology and Neurosurgery

F. Kingdom; Ph.D.(Reading), Dept. of Ophthalmology

P

**Professors**

C.-D. Walker; Ph.D.(Geneva), Dept. of Psychiatry  
 C. Wolfson; Ph.D.(McG.), Dept. of Epidemiology and Biostatistics  
 R.J. Zatorre; A.B.(Boston), M.Sc., Ph.D.(Brown), Dept. of Neurology and Neurosurgery

**Associate Professors**

J. Armony; Ph.D.(NYU), Dept. of Psychiatry  
 A. Bar-Or; M.D.,C.M.(McG.), F.R.C.P(C), D.A.B.N.P., Dept. of Neurology and Neurosurgery  
 S. Beaulieu; M.D., Ph.D., F.R.C.P.(C), Dept. of Psychiatry  
 D. Bernard; Ph.D.(Johns Hop.), Dept. of Pharmacology  
 A. Bernasconi; M.D.(Basel), Dept. of Neurology and Neurosurgery  
 V. Bohbot; Ph.D.(Ariz.), Dept. of Psychiatry  
 D. Boivin; M.D.(Laval), Ph.D.(Montr.), Dept. of Psychiatry  
 D. Bowie; Ph.D.(Lond.), Dept. of Pharmacology and Therapeutics  
 A. Brunet; Ph.D.(Montr.), Dept. of Psychiatry  
 M. Cayouette; M.Sc.(Laval), Ph.D.(Laval), Depts. of Anatomy and Cell Biology, Biology, and Experimental Medicine  
 N. Cermakian; Ph.D.(Montr.), Dept. of Psychiatry  
 J.-F. Cloutier; B.Sc.(C' dia), Ph.D.(Montr.), Dept. of Neurology and Neurosurgery  
 T. Coderre; Ph.D.(McG.), Dept. of Anaesthesia  
 L. Collins; M.Eng., Ph.D.(McG.), Dept. of Neurology and Neurosurgery  
 A. Dagher; M.Eng.(McG.), M.D.(Tor.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery  
 S. Daniel; M.D.,C.M., M.Sc.(McG.), Dept. of Otolaryngology  
 B. Debruille; M.D.(Paris XI), Ph.D.(Univ. Pierre et Marie Curie, Paris), Dept. of Psychiatry  
 L. Fellows; B.Sc.(McG.), D.Phil.(Oxf.), M.D.,C.M.(McG.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery  
 E. Fon; M.D.(Montr.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery  
 A. Fournier; B.Sc., Ph.D.(McG.), Dept. of Neurology and Neurosurgery  
 G. Gobbi; M.D.(Rome), Ph.D.(Calg.), Dept. of Psychiatry  
 I. Gold; Ph.D.(Princ.), Dept. of Psychiatry  
 V. Gracco; Ph.D.(Wisc.), School of Communication Sciences and Disorders  
 R. Joobar; M.D.(Tunisia), Ph.D.(McG.), Dept. of Psychiatry  
 A. Kania; Ph.D.(Baylor), Depts. of Biology, Anatomy and Cell Biology, and Experimental Medicine  
 T. Kennedy; B.Sc.(McM.), Ph.D.(Col.), Dept. of Neurology and Neurosurgery  
 A. Lamontagne; Ph.D.(Laval), School of Physical and Occupational Therapy  
 M. Leyton; M.A., Ph.D.(C' dia), Dept. of Psychiatry  
 G. Luheshi; Ph.D.(Newcastle, UK), Dept. of Psychiatry  
 A. McKinney; Ph.D.(Ulster), Dept. of Pharmacology and Therapeutics  
 K. Murai; Ph.D.(Calif.), Dept. of Neurology and Neurosurgery  
 K. Nader; B.Sc., Ph.D.(Tor.), Dept. of Psychology  
 J. Nalbantoglu; B.Sc., Ph.D.(McG.), Dept. of Neurology and Neurosurgery  
 H. Paudel; Ph.D.(Okla.), M.Sc.(Nepal), Dept. of Neurology and Neurosurgery  
 M. Pell; B.A.(Ott.), M.Sc., Ph.D.(McG.), School of Communication Sciences and Disorders  
 A. Peterson; B.Sc.(Vic., BC), Ph.D.(Br. Col.), Dept. of Neurology and Neurosurgery  
 J.C. Pruessner; Ph.D.(Trier), Depts. of Psychiatry, Psychology, Neurology, and Neurosurgery

## Associate Professors

D. Ragsdale; B.S.(Ill.), Ph.D.(Calif.), Dept. of Neurology and Neurosurgery

N. Rajah; Ph.D.(Tor.), Dept. of Psychiatry

Y. Rao; B.Sc.(China), Ph.D.(Tor.), Dept. of Neurology and Neurosurgery

A. Raz; M.Sc., Ph.D.(Hebrew), Dept. of Psychiatry

J. Rochford; Ph.D.(C' dia), Dept. of Psychiatry

B. Rosenblatt; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery

R. Schirmacher; Ph.D.(Mainz), Dept. of Neurology and Neurosurgery

A. Thiel; Ph.D.(Cologne), M.D.(Bonn), Dept. of Neurology and Neurosur





## Thesis

### Required Courses (3 credits)

Note: A student may receive an exemption if the student can display equivalency for NEUR 630.

NEUR 630	(3)	Principles of Neuroscience 1
NEUR 700	(0)	Doctoral Candidacy Examination

### Complementary Courses (11 credits)

(9-11 credits)

Note: A student may receive exemptions if the student can display equivalencies for NEUR 631 and NEUR 610.

Must take one of the following courses:

NEUR 610	(5)	Central Nervous System
NEUR 631	(3)	Principles of Neuroscience 2

Two courses at the 500, 600, or 700 level, approved by the graduate program adviser.

## 22.11.13 Occupational Health

### 22.11.13.1 Location

Department of Epidemiology, Biostatistics and Occupational Health  
Purvis Hall  
1020 Pine Avenue West  
Montreal, QC H3A 1A2  
Canada

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

M.Sc.(A.) (Resident) and Ph.D. programs:

Telephone: 514-398-6258  
Email: [graduate.eboh@mcgill.ca](mailto:graduate.eboh@mcgill.ca)

M.Sc.(A.) (Distance Education) program:

Telephone: 514-398-6989  
Email: [distance.occh@mcgill.ca](mailto:distance.occh@mcgill.ca)  
Website: [www.mcgill.ca/occh/programs/distance](http://www.mcgill.ca/occh/programs/distance)

### 22.11.13.2 About Occupational Health

The Department of Occupational Health offers two graduate degree programs: a doctorate (Ph.D.) and master (M.Sc.(A.)) in occupational health sciences. The master's program is available on campus or in distance education format. Special student status may be granted to students who wish to take only specific courses from our M.Sc. program. There is a maximum of 12 credits overall, with a maximum of 6 credits per semester..

*section 22.11.13.7: Doctor of Philosophy (Ph.D.); Occupational Health*

The objective of this program is to train independent researchers in the field of work environment and health.

**22.11.13.3 Occupational Health Admission Requirements and Application Procedures**

**2211.1331 Admission Requirements**

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competenc

**22.11.13.4 Occupational Health Faculty**

## Associate Professors

A. Ciampi; M.Sc., Ph.D.(Qu.), Ph.D.(Rome)  
N. Dendukuri; M.Sc.(Indian I.T.), Ph.D.(McG.) (PT) (*joint appt. with Medicine*)  
C. Greenwood; B.Sc.(McG.), M.Sc.(Wat.), Ph.D.(Tor.) (*joint appt. with Oncology*)  
P. Héroux; B.Sc.(Laval), M.Sc., Ph.D.(I.N.R.S.)  
J. Kaufman; B.A.(Johns Hop.), Ph.D.(Mich.)  
A. Manges; B.A.(Col.), M.P.H., Ph.D.(Calif., Berk.)  
M. Pai; M.B.B.S.(Stanley Medical College), M.D.(Christian Medical College), Ph.D.(Calif., Berk.)  
J. Pickering; B.A.(Tor.), M.D., M.Sc.(McG.) (*joint appt. with Medicine*)  
A. Quesnel-Vallee; B.A., M.Sc.(Montr.), M.A., Ph.D.(Duke) (*joint appt. with Sociology*)  
M. Rossignol; B.Sc., M.D.(Sher.), M.Sc.(McG.), F.R.C.P.(C)  
P. Tousignant; B.A., M.D.(Laval), M.Sc.(McG.), F.R.C.P.(C) (PT)

## Assistant Professors

A. Adrien; M.D., M.Sc.(McG.)  
J. Atherton; M.Sc.(MIT), Ph.D.(McG.)  
A. Benedetti; B.Sc., M.Sc., Ph.D.(McG.) (*joint appt. with Medicine*)  
J. Cox; B.Sc., B.A., M.D.(Dal.), M.Sc.(McG.), C.C.F.P., F.R.C.P.(C) (*joint appt. with Family Medicine*)  
S. Harper; B.A.(Westminister), M.S.P.H.(S. Carolina), Ph.D.(Mich.)  
A. Labbe; M.Sc.(Montr.), Ph.D.(Wat.) (*joint appt. with Psychiatry*)  
S. Martin; M.D.(Tor.), M.Sc.(McG.) (PT)  
E.E.M. Moodie; B.A.(Winn.), Ph.D.(Wash.)  
A. Nandi; B.S.(College of New Jersey), M.P.H.(Col.), Ph.D.(Johns Hop.) (*joint appt. with Institute for Health & Social Policy*)  
L. Patry; B.Sc., M.D.(Laval), F.R.C.P.(C) (PT)  
E. Strumpf; B.A.(Smith), Ph.D.(Harv.) (*joint appt. with Economics*)  
G. Tan; D.Phil.(Oxf.) (PT)

## Associate Members

*Biomedical Ethics Unit:* N. King

*Dietetics and Human Nutrition:* K. Gray-Donald

*Dentistry:* P. Allison, J. Feine

*Family Medicine:* A. Andermann, J. Haggerty, T. Tannenbaum

*Geography:* N. Ross: N. tEW 1 70.52 287.568 35475RTf1 0 0 1 70.4j1 0 0 1 70appt. wi5T4Tj/F1 8.11 Tm52 h496 416.88 Tm680 0 pt. wi5T4Tj, S52 rnats M.A., Ph.D.(

## Adjunct Professors

*Asociación Civil Selva Amazónica Peru:* M. Casapia

*Caro Research:* J. Caro

*Direction régionale de la santé publique:* R. Allard, M. Baillargeon, R. Lessard, E. Robinson

*Harvard Univ.:* J. Brownstein

*Hôpital Sacré-Cœur:* D. Gautrin

*Independent:* I. Arnold, M.A. Lavoie, J. Lemke, M. Schweigert, L. Scott

*INSPQ:* F. Richer, P. Robillard, S. Stock

*Montreal Chest Hospital Centre:* P. Rohan

*Mount Sinai:* M. Baltzan

*Stabilis:* P. Simon

*Univ. de Montréal:* R. Massé, J. Siemiatycki

*Univ. of S. Australia:* J. Lynch

### 22.11.13.5 Master of Science, Applied (M.Sc.A.); Occupational Health (Resident) (Non-Thesis) (45 credits)

#### Research Project (15 credits)

OCCH 699 (15) Project Occupational Health and Safety

#### Required Courses (30 credits)

Note: Students must pass the Master's Integrative Examination (OCCH 600) before writing their Project.

OCCH 600 (0) Master's Integrative Exam

OCCH 602 (3) Occupational Health Practice

Work and Environment | Tm(vironmLh)T66 367.942 Tccupaology 1662 Tm((3))Tj1 0 (vironmLh)T83.662 Tm(OCCH 6

OCCH 603	(3)	Work and Environment Epidemiology 1
OCCH 604	(3)	Monitoring Occupational Environment
OCCH 608	(3)	Biological Hazards
OCCH 612	(3)	Principles of Toxicology
OCCH 615	(3)	Occupational Safety Practice
OCCH 616	(3)	Occupational Hygiene
OCCH 617	(3)	Occupational Diseases
OCCH 624	(3)	Social and Behavioural Aspects - Occupational Health
OCCH 625	(3)	Work and Environment Epidemiology 2
OCCH 626	(3)	Basics: Physical Health Hazards
OCCH 627	(3)	Work Physiology and Ergonomics
OCCH 630	(3)	Occupational Diseases for OHNS
OCCH 635	(3)	Environmental Risks to Health

On-campus practicum may be held at the discretion of each professor. These sessions are held in Montreal on the McGill University campus. Their aim is to offer students additional specific learning activities. Participation in the practicum is an essential component of the program.

#### **22.11.13.7 Doctor of Philosophy (Ph.D.); Occupational Health**

##### **Thesis**

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

OCCH 700	(0)	Ph.D. Comprehensive Examination
OCCH 706	(2)	Ph.D. Seminar on Occupational Health and Hygiene

Students are encouraged to take up to 12 credits in areas pertinent to their specialty or in areas necessary to complete their knowledge of occupational health.

#### **22.11.14 Otolaryngology – Head and Neck Surgery**

##### **22.11.14.1 Location**

Department of Otolaryngology – Head and Neck Surgery  
 Royal Victoria Hospital  
 687 Pine Avenue West, Room E3-37  
 Montreal, QC H3A 1A1  
 Canada

Telephone: 514-843-2820

Fax: 514-843-1403

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

##### **22.11.14.2 About Otolaryngology – Head and Neck Surgery**

The Master of Science degree in Otolaryngology trains otolaryngologists and physicians for clinical or basic science research in Otolaryngology – Head and Neck Surgery. Master's programs can include research on normal function and disease of head and neck structures: otology, neuro-otology, laryngology, rhinology, oncology, surgery, auditory-vestibular sciences, middle-ear modeling, oto-toxicity, genomics, infection, thyroid disease, or genetics.

##### ***section 22.11.14.5: Master of Science (M.Sc.); Otolaryngology (Thesis) (45 credits)***

The master's program is intended for otolaryngologists or for physicians with a strong interest in otolaryngology research. Under exceptional circumstances, others (Ph.D.s, dentists, veterinarians, medical professionals, etc.) may be considered. The program addresses research questions using an interdisciplinary approach, combining methodologies of both the clinical sciences and the basic sciences. The Master's program is unique in Canada and rare elsewhere.

**section 22.11.14.5: Master of Science (M.Sc.); Otolaryngology (Thesis) (45 credits)**

Medical professionals graduating from the program can better treat ear-nose-throat diseases; they are better positioned to do, and to evaluate, research in otolaryngology. They typically obtain the most highly sought positions in their fields.

**22.11.14.3 Otolaryngology Admission Requirements and Application Procedures**

**22.11.14.3.1 Admission Requirements**

Admission to the M.Sc. program requires acceptance by a research supervisor, and the proposed program must be approved by the Departmental Research Committee.

Applicants should be otolaryngologists, or they should be currently enrolled in a residency program leading to certification in otolaryngology, or they should be physicians with a strong interest in otolaryngology research. Under exceptional circumstances, others (Ph.D.s, dentists, veterinarians, medical professionals, etc.) will be considered.

**22.11.14.3.2 Application Procedures**

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

Applications require the following documentation:

1. completed application form and personal statement form;
2. letters of reference from two professors;
3. two official copies of academic transcripts;
4. application fee: \$100;
5. results of Test of English as a Foreign Language (TOEFL) (minimum of 550 on the paper-based test or 86 on the Internet-based test with each component score not less than 20) for applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone).

Prospective students should contact research supervisors individually.

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

**22.11.14.4 Otolaryngology – Head and Neck Surgery Faculty**



**Associate Professors**

J. Rappaport; M.D.(Dal.), F.R.C.S.(C)  
 B. Segal; B.Sc., B.Eng., M.Eng., Ph.D.(McG.)  
 R.S. Shapiro; M.D.,C.M.(McG.), F.R.C.S.(C)  
 A.G. Zeitouni; M.D.(Sher.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)

**Assistant Professors**

F. Chagnon; M.D.,C.M.(McG.), F.R.C.S.(C)  
 I. Fried; M.D.(Dal.), F.R.C.S.(C)  
 A. Mlynarek; M.D.,C.M., M.Sc.(Otol.)(McG.), F.R.C.S.(C)  
 L. Nguyen; M.D.,C.M.(McG.), F.R.C.S.(C)  
 R. Payne; M.D.,C.M.(McG.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)  
 M. Samaha; M.D.(Qu.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)  
 G. Sejean; M.D.(Beirut), F.R.C.S.(C)  
 R. Sweet; M.D.,C.M.(McG.)  
 L. Tarantino; M.D.(Naples), F.R.C.S.(C)  
 M. Tewfik; M.D.,C.M., M.Sc.(Otol.)(McG.), F.R.C.S.(C)

**Associate Members**

W.R.J. Funnell; B.Eng., M.Eng., Ph.D.(McG.)  
 H.L. Galiana; B.Eng., M.Eng., Ph.D.(McG.)  
 Q. Hamid; M.D.(Iraq), Ph.D.Med.(Lond.)  
 L. Mongeau; B.Sc., M.Sc.(Montr.), Ph.D.(Penn. St.)

**Lecturers**

A. Finesilver, J. Rothstein, J. Young

**Adjunct Professor**

J.-J. Dufour

**22.11.14.5 Master of Science (M.Sc.); Otolaryngology (Thesis) (45 credits)****Thesis Courses (30 credits)**

OTOL 690	(3)	M.Sc. Thesis 1
OTOL 691	(3)	M.Sc. Thesis 2
OTOL 692	(6)	M.Sc. Thesis 3
OTOL 693	(6)	M.Sc. Thesis 4
OTOL 694	(12)	M.Sc. Thesis 5

**Required Courses (12 credits)**

When appropriate, courses OTOL 602, OTOL 612, OTOL 603 or OTOL 613 may be replaced by other Basic Science or Clinical (500, 600, or 700 level) courses of relevance to Otolaryngology, as recommended or approved by the Department.

OTOL 602	(3)	Physiology, Histopathology and Clinical Otolaryngology 1
OTOL 603	(3)	Advanced Scientific Principles - Otolaryngology 1
OTOL 612	(3)	Physiology, Histopathology and Clinical Otolaryngology 2

OTOL 613 (3) Advanced Scientific Principles - Otolaryngology 2

**Complementary Course**

(3-4 credits)

EPIB 607 (4) Inferential Statistics

or equivalent

Students aiming to acquire an interdisciplinary background will be expected to take additional elective courses, at the undergraduate level if necessary.

**P**

GRE and TOEFL examinations in order to be properly evaluated as to their suitability. Students are normally accepted into the M.Sc. program, and those candidates showing exceptional ability may be permitted to transfer into the Ph.D. program after one year of training.

Applicants who already possess an additional degree (M.Sc., M.D.) and have some research experience may be allowed to register in the Ph.D. program directly.

Prospective students apply online at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

For further information, applicants may contact the Teaching Office, Department of Pathology.

### **221.1532 Application Procedures**

#### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

Applications will be considered upon receipt of:

1. application;
2. transcripts;
3. two letters of reference;
4. \$100 application fee;
5. test results (GRE, TOEFL).

### Associate Professors

E. Lamoureux; B.Sc., M.D.(Montr.), F.R.C.P.(C)

R. Onerheim; M.D.(Alta.), F.R.C.P.(C)

L. Rochon; M.D.(Sher.), F.R.C.P.(C)

I. Roy; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)

A.K. Watters; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)

E. Zorychta; B.Sc.(St. FX), M.Sc., Ph.D.(McG.)

### Assistant Professors

S. Albrecht; M.D.(Sher.), F.R.C.P.(C)

O. Aleynikova; M.D.(Dal.), F.R.C.P.(C)

R.D. Amre; M.B.B.S.(India), F.R.C.P.(C)

K. Bakdounes; M.D.(Damascus), F.R.C.P.(C)

M. Blumenkrantz; M.D.,C.M.(McG.), F.R.C.P.(C)

G.A. Brandao; M.D.(Brazil)

F. Brimo; M.D.(Damascus), F.R.C.P.(C)

D. Caglar; M.D.(To

M.Sc.

The Department also offers the Chemical Biology Interdisciplinary Graduate Option, together with the Departments of Biochemistry and Chemistry. Students interested in training in this option must first be accepted for graduate studies by one of the participating departments. Information on this option can be found at: [www.mcgill.ca/biochemistry/chemicalbiology](http://www.mcgill.ca/biochemistry/chemicalbiology).

Pharmacology is a multidisciplinary science that deals with all aspects of drugs and their interactions with living organisms. Thus, pharmacologists study the physical and chemical properties of drugs, their biochemical and physiological effects, mechanisms of action, pharmacokinetics, and therapeutic and other uses. The Department offers broad exposure and training in both basic and clinical research in a range of areas of specialty, including neuropharmacology, reproductive, endocrine, receptor, cardiovascular, cancer, developmental, autonomic, clinical, and biochemical pharmacology, molecular biology, and toxicology.

The present 52 full and affiliate members of the Department have research laboratories located in the McIntyre Medical Sciences Building and in a variety of hospitals, institutes, and industry including the Douglas Hospital Research Centre, Allan Memorial Institute, Montreal Children's Hospital, Montreal General Hospital, Royal Victoria Hospital, Montreal Heart Institute, Lady Davis Research Institute, Pfizer Canada, and Merck Frosst Canada Inc. The participation of researchers from both industry and government ensures the relevance of the Department's applications-oriented training programs.

***section 22.11.16.5: Master of Science (M.Sc.); Pharmacology (Thesis) (45 credits)***

The objective of the M.Sc. (Thesis) and Ph.D. degree training programs is to provide in-depth independent research experience in a specific area of pharmacology.

***section 22.11.16.6: Master of Science (M.Sc.); Pharmacology (Thesis) — Chemical Biology (47 credits)***

The Chemical Biology Thematic Group is engaged in a diverse range of research topics that span structural biology, enzymology, nucleic acid research, signalling pathways, single molecule biophysics, and bioph

1. Preliminary approval by the Department's Graduate Committee based on the student's transcript, references, and other documents submitted with the application. The criteria for assessment at this level are the same as for the regular graduate programs of the participating departments.
2. Acceptance by an individual research director. For students wishing to participate in the Chemical Biology option, the director must propose a research project for the student that provides training in the methods and philosophy of chemical biology. Project proposals are assessed by the Chemical Biology Program Committee.

#### **2211.1632 Application Procedures**

### Associate Professors

T. Hébert; Ph.D.(Tor.)  
A. McKinney; Ph.D.(Ulster)  
S. Nattel; M.D.,C.M.(McG.)  
A.L. Padjen; M.D., Ph.D.(Zagreb)  
E. Zorychta; Ph.D.(McG.)

### Assistant Professors

G. Miller; Ph.D.(W. Ont.)  
J. Tanny; Ph.D.(Harv.)

### Associate Members

M. Alaoui-Jamali; Ph.D.(Sorbonne)  
G. Batist; M.D.,C.M.(McG.)  
M. Culty; Ph.D.(Fr.)  
G. Di Battista; B.Sc., Ph.D.(Montr.)  
L. Fellows; M.D., C.M.(McG.) Ph.D.(Oxf.)  
P. Fiset; M.D.(Laval), F.R.C.P.S.(C)  
S. Gauthier; M.D.(Montr.)  
T. Geary; Ph.D.(Mich.)  
B. Jean-Claude; Ph.D.(McG.)  
S. Kimmins; Ph.D.(Dal.)  
S. Laporte; Ph.D.(Sher.)  
C. O'Flaherty; Ph.D.(Buenos Aires)  
V. Pappadopoulis; Ph.D.(Univ. Pierre & Marie Curie)  
R. Prichard; Ph.D.(NSW)  
R. Quirion; Ph.D.(Sher.)  
S. Rousseau; Ph.D.(Laval)  
Y. Shir; M.D.(Israel), Ph.D.(Johns Hop.)  
L. Stone; Ph.D.(Minn.)  
M. Ware; MBBS(West Indies)  
T. P. Wong; Ph.D.(McG.)

### Adjunct Professors

B. Allen, M. Bruno, S. Chemtob, J. Coull, Y. De Koninck, L. Garofalo, J.M.A. Laird, J. Mancini, K. Meerovitch, T. Sanderson

## 22.11.16.5 Master of Science (M.Sc.); Pharmacology (Thesis) (45 credits)

### Thesis Courses (24 credits)

PHAR 696	(3)	Thesis Preparation
PHAR 698	(9)	Thesis Preparation 2
PHAR 699	(12)	Thesis Preparation 3

### Required Courses (9 credits)



PHAR 601	(6)	Comprehensive
PHAR 712	(3)	Statistics for Pharmacologists

**Complementary Courses (12 credits)**

6 credits, from the following courses:

PHAR 562	(3)	General Pharmacology 1
PHAR 563	(3)	General Pharmacology 2

or, for students who have taken PHAR 562 and PHAR 563 as part of their undergraduate degree, they will register for the following course:

PHAR 697	(6)	Thesis Preparation 1
----------	-----	----------------------

6 credits, two 700-level PHAR courses.

**22.11.16.6 Master of Science (M.Sc.); Pharmacology (Thesis) — Chemical Biology (47 credits)****Thesis Courses (24 credits)**

PHAR 696	(3)	Thesis Preparation
PHAR 698	(9)	Thesis Preparation 2
PHAR 699	(12)	Thesis Preparation 3

**Required Courses (9 credits)**

PHAR 601	(6)	Comprehensive
PHAR 712	(3)	Statistics for Pharmacologists

**Complementary Courses (14 credits)**

2 credits, two of the following courses:

BIOC 610	(1)	Seminars in Chemical Biology 1
BIOC 611	(1)	Seminars in Chemical Biology 3
BIOC 689	(1)	Seminars in Chemical Biology 2
BIOC 690	(1)	Seminars in Chemical Biology 4

6 credits, from the following courses:

PHAR 562	(3)	General Pharmacology 1
PHAR 563	(3)	General Pharmacology 2

or, for students who have taken PHAR 562 and PHAR 563 as part of their undergraduate degree, they can be replaced with two of the following courses:

BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
CHEM 504	(3)	Drug Design and Development 2
CHEM 522	(3)	Stereochemistry
CHEM 591	(3)	Bioinorganic Chemistry

CHEM 621	(5)	Reaction Mechanisms in Organic Chemistry
CHEM 629	(5)	Organic Synthesis
CHEM 655	(4)	Advanced NMR Spectroscopy
PHAR 504	(3)	Drug Design and Development 2
PHAR 707	(3)	Topics in Pharmacology 6

3 credits, one of the following courses:

PHAR 702	(3)	Topics in Pharmacology 1
PHAR 703	(3)	Topics in Pharmacology 2
PHAR 704	(3)	Topics in Pharmacology 3
PHAR 705	(3)	Topics in Pharmacology 4
PHAR 706	(3)	Topics in Pharmacology 5
PHAR 707	(3)	Topics in Pharmacology 6

3 credits, one of the following courses:

CHEM 502	(3)	Advanced Bio-Organic Chemistry
PHAR 503	(3)	Drug Design and Development 1

#### **22.11.16.7 Doctor of Philosophy (Ph.D.); Pharmacology**

##### **Thesis**

Students must successfully complete, or be exempted from, the same courses as for the equivalent M.Sc. in Pharmacology, plus one additional 700-level graduate course (for a total of three).

#### **22.11.16.8 Doctor of Philosophy (Ph.D.); Pharmacology — Chemical Biology**

##### **Thesis**

##### **Required Courses (13 credits)**

BIOC 604	(3)	Macromolecular Structure
CHEM 504	(3)	Drug Design and Development 2
CHEM 522	(3)	Stereochemistry
CHEM 591	(3)	Bioinorganic Chemistry
CHEM 621	(5)	Reaction Mechanisms in Organic Chemistry
CHEM 629	(5)	Organic Synthesis
CHEM 655	(4)	Advanced NMR Spectroscopy
PHAR 504	(3)	Drug Design and Development 2
PHAR 707	(3)	Topics in Pharmacology 6

two of the following courses:

PHAR 702	(3)	Topics in Pharmacology 1
PHAR 703	(3)	Topics in Pharmacology 2
PHAR 704	(3)	Topics in Pharmacology 3
PHAR 705	(3)	Topics in Pharmacology 4
PHAR 706	(3)	Topics in Pharmacology 5
PHAR 707	(3)	Topics in Pharmacology 6

***section 22.11.17.6: Master of Science (M.Sc.); Physiology (Thesis) — Bioinformatics (49 credits)***

The intention of the Bioinformatics Option is to train M.Sc. students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating of Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics Option will be fluent in the concepts, language, approaches, and limitations of the field. The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

***section 22.11.17.7: Doctor of Philosophy (Ph.D.); Physiology***

The doctoral program is intended for students from a strong academic background wishing to pursue research-intensive careers in academia, industry, or in medicine. The multidisciplinary nature of the Department exposes students to a vast array of research interests and experimental approaches. Thesis work provides in-depth training in a broad range of disciplines from molecular and cellular to systems physiology covering multiple organ systems.

***section 22.11.17.8: Doctor of Philosophy (Ph.D.); Physiology — Bioinformatics***

The intention of the Bioinformatics Option is to train Ph.D. students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating of Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics Option will be fluent in concepts, language, approaches, and limitations of the field. The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

### **22.11.17.3 Physiology Admission Requirements and Application Procedures**

#### **2211.17.31 Admission Requirements**

Admission to the Graduate program is based on an evaluation by the Graduate Student Admissions and Advisory Committee (GSAAC), and on being accepted by a research supervisor. Final acceptance is contingent upon approval of the recommendation of the applicant by Graduate and Postdoctoral Studies, from whom official notification will be received.

Candidates for the M.Sc. degree must hold a B.Sc. degree or its equivalent. Candidates who have completed an M.Sc. may be admitted directly to the Ph.D. program. M.Sc. students interested in a Ph.D. may transfer to the Ph.D. program after 12-18 months, following successful completion of all transfer requirements. The M.Sc. thesis requirement is then waived. Candidates with exceptional academic records may be considered to proceed directly to the Ph.D. degree from the B.Sc. degree.

The GRE General Test is required for anyone who does not have a degree from a North American University. TOEFL: only those whose mother tongue is English, who graduated from a North American institution (anglophone or francophone) or who completed an undergraduate or graduate degree at a foreign institution where English is the language of instruction are exempt from providing proof of competency in English.

A minimum CGPA of 3.2 or a GPA of 3.4 in the last two years is required for an application to be considered.

#### **2211.17.32 Application Procedures**

The GSAAC will only consider applications upon receipt of all of the following documentation:

1. online application form;
2. \$100 application fee;
3. personal statement;
4. CV;
5. two letters of reference, not more than six months old, from two professors printed on official letterhead;
6. fi

## **22.11.17.4 Physiology Faculty**

### **Chair**

John Orłowski

### **Graduate Program Director**

Kathleen Cullen

### **Emeritus Professors**

Thomas M.S. Chang; B.Sc., M.D.,C.M., Ph.D.(McG.), F.R.C.P.(C)

Kresmir Krnjević; O.C., B.Sc., Ph.D., M.B., Ch.B.(Edin.), F.R.S.C.

Wayne S. Lapp; M.S.A.(Tor.), Ph.D.(McG.)

Mortimer Levy; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C) (



**Elective Courses (6 credits)**

Students must select 6 approved credits in Physiology or Science at the 500 level or above.

**22.11.17.6 Master of Science (M.Sc.); Physiology (Thesis) — Bioinformatics (49 credits)****Thesis Courses (30 credits)**

PHGY 621	(12)	Thesis 1
PHGY 622	(15)	Thesis 2
PHGY 623	(3)	M.Sc. Seminar

**Required Courses (16 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PHGY 601	(1)	M.Sc. Proposal Seminar
PHGY 602	(3)	Literature Search and Research Proposal
PHGY 603	(3)	Systems Biology and Biophysics
PHGY 607	(3)	Laboratory Research 1
PHGY 608	(3)	Laboratory Research 2

**Complementary Courses (3 credits)**

3 credits to be chosen from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics

**22.11.17.7 Doctor of Philosophy (Ph.D.); Physiology****Thesis****Required Courses (9 credits)**

PHGY 701	(0)	Ph.D. Comprehensive Examination
PHGY 702	(1)	Ph.D. Proposal
PHGY 703	(1)	Ph.D. Progress Seminar 1
PHGY 704	(1)	Ph.D. Progress Seminar 2
PHGY 720	(1)	Ph.D. Seminar Course 1
PHGY 721	(1)	Ph.D. Seminar Course 2
PHGY 722	(1)	Ph.D. Seminar Course 3
PHGY 723	(1)	Ph.D. Seminar Course 4
PHGY 724	(1)	Ph.D. Seminar Course 5
PHGY 725	(1)	Ph.D. Seminar Course 6

**Elective Courses (9 credits)**

Students are required to take an additional three courses of Physiology or Science at the 500 level or above, in consultation with the GSAAC and the candidate's supervisor.

**22.11.17.8 Doctor of Philosophy (Ph.D.); Physiology — Bioinformatics****Thesis****Required Courses (15 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PHGY 603	(3)	Systems Biology and Biophysics
PHGY 701	(0)	Ph.D. Comprehensive Examination
PHGY 702	(1)	Ph.D. Proposal
PHGY 703	(1)	Ph.D. Progress Seminar 1
PHGY 704	(1)	Ph.D. Progress Seminar 2
PHGY 720	(1)	Ph.D. Seminar Course 1
PHGY 721	(1)	Ph.D. Seminar Course 2
PHGY 722	(1)	Ph.D. Seminar Course 3
PHGY 723	(1)	Ph.D. Seminar Course 4
PHGY 724	(1)	Ph.D. Seminar Course 5
PHGY 725	(1)	Ph.D. Seminar Course 6

**Complementary Course (3 credits)**

One course to be chosen from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics

**22.11.18 Psychiatry****22.11.18.1 Location**

Department of Psychiatry  
1033 Pine Avenue West  
Montreal, QC H3A 1A1  
Canada

Telephone: 514-398-4176

Fax: 514-398-4370

Email: [graduate.psychiatry@mcgill.ca](mailto:graduate.psychiatry@mcgill.ca)

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

**22.11.18.2 About Psychiatry**

McGill University's Department of Psychiatry is one the most prestigious in the world. In the 1950s and '60s, Heinz Lehmann conducted the first North American clinical trials for antipsychotic and antidepressant medications. Theodore Sourkes identified the core neurobiological features of Parkinson's disease. And Eric Wittkower plus Jack Fried brought together scholars from Anthropology and Psychiatry to create Transcultural Psychiatric Studies. Since then, faculty members and graduate students continue outstanding research in addictions, Alzheimer's and childhood disorders, eating, personality and mood disorders, stress, trauma, and psychosis. The work is conducted in people plus animal models, and benefits from expertise ranging from neuroimaging and epigenetics to mental health services and public policy, remaining at the cutting edge of research on health, disease, and recovery.

**Master of Science (M.Sc.), *ad hoc* Ph.D.**







## Associate Professors

M. Lepage; B.A.(C'dia), Ph.D.(UQAM)

M. Leyton; Ph.D.(C'dia) (*William Dawson Scholar*)

**Assistant Professors**

A. Wazana; B.A.(McM.), M.Sc.(Col.), M.Sc.(McG.), M.D.(McM.)

R. Whitley; B.S., M.S., Ph.D.(Lond)

T.P. Wong; B.Sc.(HK), Ph.D.(McG.)

**Associate Member**

R.O. Pihl (*Psychology*)

**Adjunct Professors**

P. Blier, L. Gaston, C. Mercier, S. Welner

**22.11.18.5 Master of Science (M.Sc.); Psychiatry (Thesis) (45 credits)**

The M.Sc. in Psychiatry is administered by the Graduate Training Committee. Each student selects a Supervisory Committee composed of the research supervisor plus two to four other faculty who are knowledgeable about the student's research area and who can advise both on appropriate coursework and on the thesis research project. The student will meet with this Supervisory Committee at least once during each year of matriculation for the purpose of evaluating academic and research progress of the student. The Supervisory Committee will also act as a resource body for the student, both with respect to academic and administrative matters.

**Thesis Courses (36 credits)**

PSYT 691	(12)	Thesis Research 1
PSYT 692	(12)	Thesis Research 2
PSYT 693	(12)	Thesis Research 3

**Complementary Courses (9 credits)**

9 credits of graduate-level courses approved by the student's Supervisory Committee.

Courses are selected on the basis of the area of research interest and the background of the student, and must include a course in statistical analysis if not presented upon admission.

**22.11.19 Surgical Research****22.11.19.1 Location**

Division of Surgical Research, Department of Surgery  
 Montreal General Hospital, Room C9-160  
 1650 Cedar Avenue  
 Montreal, QC H3G 1A4  
 Canada

Telephone: 514-934-1934 ext. 42837

Fax: 514-934-8289

Email: [gradstudies.surgery@mcgill.ca](mailto:gradstudies.surgery@mcgill.ca)

Website: [www.surgery-research.mcgill.ca](http://www.surgery-research.mcgill.ca)

**22.11.19.2 About Surgical Research**

The Department of Surgery offers graduate programs leading to M.Sc. and Ph.D. degrees, and a Graduate Diploma in Surgical Health Care Research. The Division of Surgical Research is responsible for the administration of the graduate programs and allows excellent opportunities for training under the supervision of professors located in the Research Institutes of the different McGill teaching hospitals. The scope of the research and close connections with other centres and departments of McGill provide ample opportunities for collaboration. The research in the Department covers a broad range of topics from repair and regeneration to cancer cell biology and sexual dysfunction. Research interests include studies of wound healing, scarring and skin tissue engineering, receptors and signal transduction pathways, cartilage repair and osteoarthritis, islet cell differentiation and islet transplantation, tissue engineering of cardiac muscle, immunopathogenesis of liver xenograft rejection; osteoinduction and biomechanics; sepsis and multi-organ failure; biology of cancer; sexual dysfunction and prostate cancer; and surgical health outcomes.

A list of research directors and a description of their research topics, as well as application forms may be obtained from our website ([www.surgery-research.mcgill.ca](http://www.surgery-research.mcgill.ca)).

***section 22.11.19.5: Master of Science (M.Sc.); Experimental Surgery (Thesis) (Surgical Research) (48 credits)***

The M.Sc. program is intended for students wishing to pursue careers in academia, the medical field, or industry. Thesis projects available in the various laboratories of the Department are multidisciplinary and ensure that students are exposed to a broad spectrum of research projects and experimental approaches. Students who have achieved superior progress in their research have the option to transfer to the Ph.D. program, waiving the M.Sc. thesis submission.

***section 22.11.19.6: Doctor of Philosophy (Ph.D.); Experimental Surgery (Surgical Research)***

The doctoral program is intended for students with excellent academic standing who wish to pursue research-focused careers in academia, medical field, or industry. Thesis projects available in the various laboratories of the Department are multidisciplinary and provide in-depth training ensuring that students are exposed to a broad spectrum of research projects and experimental approaches.

***section 22.11.19.7: Graduate Diploma in Surgical Health Care Research (30 credits)***

The graduate diploma program is open to all graduate students in the Division of Surgical Research, but is specifically designed for surgical residents who have allotted time during their residency training. The intention of the program is to train students to become researchers in the interdisciplinary fi



### Associate Professors

T. Taketo-Hosotani; B.Sc., M.Sc., Ph.D.(Kyoto)

J.I. Tchervenkov; M.D.,C.M.(McG.), F.R.C.S.(C)

R. Turcotte; M.D.(Montr.)

D. Zukor; B.Sc., M.D.,C.M.(McG.)

### Assistant Professors

M. Basik; M.D.,C.M.(McG.)

S. Bergman; M.Sc., M.D.,C.M.(McG.), F.R.C.S.(C)

J. Chen; B.Sc.(Chin. Acad. Sci.), Ph.D.(Guelph)

M. Chevrette; B.Sc., M.Sc., Ph.D.(Laval)

N. Eliopoulos; B.Sc.(McG.), M.Sc., Ph.D.(Montr.)

J. Faria; M.D.,C.M., M.Sc.(McG.), F.R.C.S.(C)

L. Ferri; M.D.,C.M., M.Sc.(McG.)

S. Fraser; B.Sc., M.D.(Tor.), M.Sc.(McG.), F.R.C.S.(C)

O. Huk; B.Sc., M.D.,C.M.(McG.), M.Sc.(Montr.)

P. Jarzem; B.Sc., M.D.(Qu.)

J. Lapointe; M.D., Ph.D.(Laval)

E. Lee; B.A.(Boston), M.Sc., Ph.D.(McG.)

S. Paraskevas; M.D., Ph.D.(McG.)

M. Petropavlovskaja; M.Sc., Ph.D.(Moscow)

A.D. Recklies; B.Sc.(McG.), Ph.D.(McM.)

K. Shaw; M.D.,C.M., M.Sc.(McG.)

## 22.11.19.5 Master of Science (M.Sc.); Experimental Surgery (Thesis) (Surgical Research) (48 credits)

### Thesis Courses (33 credits)

EXSU 690	(4)	M.Sc. Research 1
EXSU 691	(4)	M.Sc. Research 2
EXSU 692	(4)	M.Sc. Research 3
EXSU 693	(21)	M.Sc. Thesis

### Required Courses (12 credits)

EXSU 601	(6)	Knowledge Management
EXSU 605	(3)	Biomedical Research Innovation
EXSU 606	(3)	Statistics for Surgical Research

### Complementary Courses (3 credits)

3 credits, one graduate-level course in the student's specialty, selected in consultation with the Research Supervisory Committee.

Depending on their individual background, students may be asked by their Research Supervisory Committee to take additional courses.

**Doctor of Philosophy (Ph.D.); Experimental Surgery (Surg16 136.343 Tm(, selected008.763439.716 1g16 136.343 TmTj3d008.76mino(Mo**

**Required Courses (12 credits)**

EXSU 601	(6)	Knowledge Management
EXSU 605	(3)	Biomedical Research Innovation
EXSU 606	(3)	Statistics for Surgical Research
EXSU 700	(0)	Comprehensive Examination

**Complementary Course (3 credits)**

One graduate-level course in the student's specialty, selected in consult with the student's advisor.



## 23 School of Nursing

### 23.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill 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 central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. 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*

### 23.2 Graduate and Postdoctoral Studies

#### 23.2.1 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 Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)

**Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)**

Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.

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

Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)

**Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)**

Shari Baum; B.A.(C'neil), M.Sc.(Vermont), Ph.D.(Brown)

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

Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)

**Director (Graduate and Postdoctoral Affairs)**

Lissa B. Matyas; B.F.A., M.Sc.(C'dia)

**Director (Recruitment and Retention)**

#### 23.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5

Telephone: 514-398-3990

Fax: 514-398-1626

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

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



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

### 23.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

---

## 23.3 Important Dates 2011-2012

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

---

## 23.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

### Agricultural and Environmental Sciences

*section 14.11.1: Agricultural Economics*

*section 14.11.2: Animal Science*

*section 14.11.3: Bioresource Engineering*

*section 14.11.4: Dietetics and Human Nutrition*

*section 14.11.5: Food Science and Agricultural Chemistry*

*section 14.11.6: Natural Resource Sciences*

*section 14.11.7: Parasitology*

*section 14.11.8: Plant Science*

### Arts

*section 15.11.1: Anthropology*

*section 15.11.2: Art History*

Classics, see *section 15.11.12: History and Classical Studies*

*section 15.11.4: Communication Studies*

*section 15.11.5: East Asian Studies*

*section 15.11.6: Economics*

*section 15.11.7: English*

*section 15.11.8: French Language and Literature*

*section 15.11.9: Geography*

*section 15.11.10: German Studies*

*section 15.11.11: Hispanic Studies*

*section 15.11.12: History and Classical Studies*

*section 15.11.13: Institute for the Study of International Development*

*section 15.11.14: Islamic Studies*

*section 15.11.15: Italian Studies*

*section 15.11.16: Jewish Studies*

*section 15.11.17: Linguistics*

*section 15.11.18*

*sects.75.11.*

## **Arts**

*section 15.11.20: Political Science*

*section 15.11.21: Psychology*

*section 15.11.23: Russian and Slavic Studies*

*section 15.11.24: Social Studies of Medicine*

*section 15.11.25: Social Work*

*section 15.11.26: Sociology*

## **Dentistry**

*section 16.11.1: Dentistry*

## **Desautels Faculty of Management**

*section 17.11: Desautels Faculty of Management*

## **Education**

*section 18.11.1: Educational and Counselling Psychology*

*section 18.11.2: Information Studies*

*section 18.11.3: Integrated Studies in Education*

*section 18.11.4: Kinesiology and Physical Education*

## **Engineering**

*section 19.11.1: Architecture*

*section 19.11.2: Chemical Engineering*

*section 19.11.3: Civil Engineering and Applied Mechanics*

*section 19.11.4: Electrical and Computer Engineering*

*section 19.11.5: Mechanical Engineering*

*section 19.11.6: Mining and Materials Engineering*

*section 19.11.7: Urban Planning*

## **Law**

*section 20.11.1: Law*

## **McGill School of Environment**

*section 21.11.1: Environment*

## **Medicine**

*section 22.11.1: Anatomy and Cell Biology*

*section 22.11.2: Biochemistry*

*section 22.11.3: Bioethics*

*section 22.11.4: Biomedical Engineering*

*section 22.11.5: Communication Sciences and Disorders*

*section 22.11.6: Epidemiology and Biostatistics*

Experimental Medicine, see *section 22.11.10: Medicine, Experimental*

*section 22.11.8: Human Genetics*

*section 22.11.9: Medical Physics*

**Medicine**

*section 22.11.11: Microbiology and Immunology*  
*section 22.11.12: Neuroscience (Integrated Program in)*  
*section 23.11.1: Nursing*  
*section 22.11.13: Occupational Health*  
*section 22.11.14: Otolaryngology – Head and Neck Surgery*  
*section 22.11.15: Pathology*  
*section 22.11.16: Pharmacology and Therapeutics*  
*section 24.11.1: Physical and Occupational Therapy*  
*section 22.11.17: Physiology*  
*section 22.11.18: Psychiatry*  
*section 22.11.19: Surgical Research*

**Religious Studies**

*section 25.11.1: Religious Studies*

**Schulich School of Music**

*section 26.11.1: Schulich School of Music*

**Science**

*section 27.11.1: Atmospheric and Oceanic Sciences*  
*section 27.11.2: Biology*  
*section 27.11.3: Chemistry*  
*section 27.11.4: Computer Science*  
*section 27.11.5: Earth and Planetary Sciences*  
*section 15.11.9: Geography*  
*section 15.11.18: Mathematics and Statistics*  
*section 27.11.8: Physics*  
*section 15.11.21: Psychology*

**23.4.1 Graduate Diplomas and Certificates**

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

**Graduate Diplomas are offered in:**

Clinical Research (Experimental Medicine)	Primary Care Nurse Practitioner
Epidemiology and Biostatistics	Professional Performance
Islamic Studies	Public Accountancy (C.A.)
Library and Information Studies	Registered Dietician Credentialing (R.D.)
Mining Engineering	School and Applied Child Psychology (post-Ph.D.)
Nursing	Surgical Health Care Research

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

### Graduate Certificates are offered in:

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

All graduate regulations apply to graduate diploma and certificate candidates.

### 23.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

M.Arch. programs offered:

M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research

M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and

Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)  
Kinesiology and Physical Education (Thesis and Non-Thesis)  
Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)

## Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

Agricultural Economics  
Animal Science  
Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment  
Biochemistry; options in Bioinformatics, and Chemical Biology  
Biology; options in Bioinformatics, Environment, and Neotropical Environment  
Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment  
Cell Biology and Anatomy  
Chemical Engineering  
Chemistry; option in Chemical Biology  
Civil Engineering and Applied Mechanics  
Communication Sciences and Disorders  
Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering  
Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery  
Earth and Planetary Sciences; option in Environment  
Entomology; options in Environment, and Neotropical Environment  
Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)  
Food Science and Agricultural Chemistry (Thesis and Non-Thesis)  
Geography; options in Environment, and Neotropical Environment  
Genetic Counselling (Non-Thesis)  
Human Genetics; option in Bioinformatics  
Human Nutrition  
Kinesiology and Physical Education (Thesis and Non-Thesis)  
Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering  
Mechanical Engineering  
Medical Radiation Physics  
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine  
Microbiology and Immunology  
Microbiology (Macdonald Campus); option in Environment  
Mining and Materials Engineering  
Neuroscience  
Nursing



Occupational Health  
Occupational Therapy  
Plant Science  
Physical Therapy

Other degrees:

Master of Science, Applied (OT)  
Master of Science, Applied (PT)

#### **Master of Social Work Degrees**

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

M.S.W. with B.C.L. and LL.B.

#### **Master of Urban Planning Degree**

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

Options: Transportation Planning and Urban Design.

### **23.4.3 Doctoral Degrees**

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

**The following doctoral degrees are offered (see below for more information about sub-specializations):** Prerequisites:

Doctor of Civil Law (D.C.L.)

B.C.L. or LL.B. and usually LL.M. See Law.

Doctor of Music (D.Mus.)

M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.

Doctor of Philosophy (Ph.D.)

An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate 0 u76.18n4tSc9d3j/F1 8.1 Tf1

Civil Engineering and Applied Mechanics  
Classics  
Communication Studies; option in Gender and Women's Studies  
Communication Sciences and Disorders; option in Language Acquisition  
Computer Science; option in Bioinformatics  
Counselling Psychology  
Earth and Planetary Sciences; option in Environment  
Economics  
Educational Psychology  
Educational Studies; option in Gender and Women's Studies  
Electrical Engineering  
English  
Entomology; options in Environment, and Neotropical Environment  
Epidemiology and Biostatistics  
Food Science and Agricultural Chemistry  
French; option in Gender and Women's Studies  
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment  
German  
Hispanic Studies  
History

#### 23.4.4 Postdoctoral Research

See [section 14.8: Postdoctoral Research](#) for information about postdoctoral research at McGill University.

---

### 23.5 Program Requirements

#### 23.5.1 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 Calendar 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 mark of B- or better, all those courses which 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 to

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 "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 by Graduate and Postdoctoral Studies, it will not be changed after obtaining

including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The re

### **23.6.2 Admission Requirements (minimum requirements to be considered for admission)**

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

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/gr](http://www.mcgill.ca/gr)

7. McGill Certificate of Proficiency in English or McGill Certificate of Proficiency - English for Professional Communication: Certificate of Proficiency  
aw

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.

*Revised – Council of February 9, 2004.*

### **23.6.11 Deferral of Admission**

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

---

## **23.7 Fellowships, Awards, and Assistantships**

Graduate and Postdoctoral Studies  
(Fellowships and Awards Section)  
James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5  
Telephone: 514-398-3990  
Fax: 514-398-2626  
Email: [graduate.fellowships@mcgill.ca](mailto:graduate.fellowships@mcgill.ca)  
Website: [www.mcgill.ca/gps/students](http://www.mcgill.ca/gps/students) (under Fellowships and Awards)

Graduate Fellowships and Aw





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 disputes;

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 GPS. See procedure under [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#). 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/postdocs/becoming/leave](http://www.mcgill.ca/gps/postdocs/becoming/leave) under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

### 23.8.5 Postdoctoral Research Trainees

#### Eligibility

If your situation does not conform to the *Quebec Ministère de l'Éducation, du Loisir et du Sport* (MELS) 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 MELS 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 st841529.1441 Tm(Category-136.03680

### **23.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision**

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

#### **1. Assignment of Advisers, Supervisors, and Committees**

- i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.
- ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approv

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v.

Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

### **23.9.3 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*

### **23.9.4 Ph.D. Comprehensives Policy**

#### **Preamble**

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 paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

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 e

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

### **Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

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

### **Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an "outside" committee member; have the oral examination open to other students and faculty members.

### **Plagiarism**

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with **academic integrity** (see [www.mcgill.ca/students/srr/honest](http://www.mcgill.ca/students/srr/honest) for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the *Handbook on Students Rights and Responsibilities* available at [www.mcgill.ca/secretariat/policies/students](http://www.mcgill.ca/secretariat/policies/students)) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

### **Failures**

#### **i. Repeats**

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has first time failed.

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, "to consult any written submission for which they have received a mark and to discuss this submission with the examiner". Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

**Verification**

In a case where a student feels that totalling errors have been made in arriving at the fi



Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a **leave of absence for health reasons**, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

*Council of FGSR, March 1999*

**Please refer to *University Regulations and Resources > Graduate > Regulations > [section 2.1.11: Leave of Absence Status](#) for information regarding registration of graduate students and Postdocs on such leaves.***

**Procedure:**

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed *Leave of Absence/Non-Resident Request Form* available from [www](#)

### **23.10.5 Guidelines for Research with Animal Subjects**

Please refer to the guidelines for research involving animal subjects available at: [www.mcgill.ca/research/researchers/compliance/animal](http://www.mcgill.ca/research/researchers/compliance/animal).

### **23.10.6 Policy on Intellectual Property**

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

### **23.10.7 Regulations Governing Conflicts of Interest**

Please refer to the regulations gov

participate in cutting-edge programs of research related to nursing practice, education, and administration. McGill's School of Nursing is for you if you want to contribute to the knowledge base of advanced nursing practice and want to be involved actively in changing how healthcare is delivered locally, nationally, and internationally.

The School is located in Wilson Hall, which houses classrooms, computer facilities, faculty offices, and lounges. A recently renovated Nursing Learning Laboratory, located at University Hall, has seven clinical beds, an ICU bed, and AV capacity for distance education. Students registered in the School also take courses in other faculties within the University. Selected experience in nursing is provided in the McGill University Health Centre, other McGill affiliated hospitals, and in a wide variety of health agencies in Montreal.

For information on undergraduate Nursing programs, please consult the *Health Sciences Calendar* available at [www.mcgill.ca/students/courses/calendars](http://www.mcgill.ca/students/courses/calendars).

### **M.Sc.(A.) Program**

There are two points of entry into the M.Sc.(A.) program:

- Non-nurse applicants entering with a B.A. or B.Sc. (Direct-Entry Applicant) (for more information on the M.Sc.(A.) Direct-Entry, visit the School of Nursing website at [www.mcgill.ca/nursing/programs/msca-direct-entry](http://www.mcgill.ca/nursing/programs/msca-direct-entry)).
- Nurse Bachelor Entry (for more information on the M.Sc.(A.) Nurse Bachelor Entry, visit the School of Nursing website at [www.mcgill.ca/nursing/programs/msca](http://www.mcgill.ca/nursing/programs/msca)).

### **M.Sc.(A.) Program - Areas of study**

Students entering the master's program may select between two areas of study. The clinical stream is intended to prepare students for clinical nurse specialists or nurse practitioner roles in selected areas. The adjunct area is available for students wishing to plan an indi

graduate nurse students from the Order of Nurses of Quebec. Studies may be completed on a part-time basis, i.e., a minimum of 6 credits per term to a

GRE (Graduate Record Examination) general test results may be required in individual circumstances.

### **Master's, Graduate Certificate, and Graduate Diploma Programs**

Nurse applicants to the master's, certificate/diploma programs may complete their studies on a part-time basis, i.e., minimum of 6 credits per term to a maximum of five years.

All nurse applicants are expected to hold current registration in the province or country from which they come. Nurses who are not licensed in Quebec must be registered (*immatriculé(e)*) with the *Ordre des infirmières et infirmiers du Québec* upon the start of their graduate studies.

International nurse applicants are required to have had experience as nurses in their country of origin and in North America (recommended).

### **B.A./B.Sc. Applicants to the Master's Program**

Applicants holding a general B.Sc. or B.A., including a number of prerequisite courses, may be admitted to a Qualifying Year. A minimum CGPA (cumulative grade point average) of 3.0 (3.2 is strongly preferred) on a scale of 4.0 is required in order to be considered for entry. Upon successful completion of the Qualifying Year, candidates apply to the master's program. Persons prepared in another professional discipline or in nursing are not eligible for this program.

Direct-entry applicants must complete their Qualifying Year and the master's program of study on a full-time basis, i.e., a total of three years. The School considers admissions to this program for the Fall term only.

### **Nurse Applicants (Nurse Bachelor's Entry - NBE) to the Master's Program**

Applicants for the master's degree must have completed a bachelor's degree in nursing with a minimum CGPA of 3.0 on a scale of 4.0. This preparation must be comparable to that offered in the bachelor's in nursing programs at McGill that is a minimum of 66 university credits including 12 credits in the biological sciences. Applicants must also have completed an introductory Statistics course (3 credits) prior to entry. Prospective applicants whose undergraduate degree differs from the McGill degree are encouraged to contact the School of Nursing to have the eligibility of their degree assessed. Experience in nursing is strongly recommended.

### **Graduate Certificates and Graduate Diplomas in Nurse Practitioner**

Applicants must hold a bachelor's degree in Nursing and a master's degree in Nursing comparable to McGill (the bachelor program must have a minimum of 66 credits including 12 credits in the biological sciences) with a minimum CGPA of 3.2 on a 4.0 scale required. Prior to entry, applicants should have a minimum of two years of experience in Canada in the specialty area of

Valid First Aid and CPR Certification Health Care Provider (HCP) and Automated External Defibrillation (AED) is required no later than September 15th for all graduate nursing students except for those in the Ph.D. program. Students are responsible for maintaining this certification up-to-date throughout their program of study.

#### **Achievement Builders – Student Services**

Any student who is experiencing difficulty in meeting course requirements must take advantage of the Achievement Builders program offered through Student Services. Information is available at: [www.mcgill.ca/firstyear/workshops1](http://www.mcgill.ca/firstyear/workshops1).

#### **Regulations Concerning Clinical Placement Courses**

- Students must be registered with the O.I.I.Q. before they can ha

### Associate Director, Research

TBA

### Emeritus Professors

Susan E. French; N., B.N.(McG.), M.S.(Boston), Ph.D.(Tor.), Ph.D.(McM.)

C. Céleste Johnston; N., B.N., M.S.(Boston), D.Ed.(McG.)

Elizabeth C. Logan; N., B.Sc.(Acad.), M.Sc.(Yale)

### Professors

Franco Carnevale; N., B.Sc.(N.), M.Sc.(A.), M.Ed., Ph.D.(McG.)

Nancy Frasure-Smith; B.A., Ph.D.(Johns Hop.) (*part-time*)

Laurie N. Gottlieb; N., B.N., M.Sc.(A.), Ph.D.(McG.) (*Shaw Professor of Nursing*)

### Associate Professors

Antonia Arnaert; N., M.P.H.(Catholic U. of Leuven, K.U.L.), M.P.A.(EHSAL), Ph.D.(K.U.L.)

Hélène Ezer; N., B.Sc.(N.), M.Sc.(A.)(McG.), Ph.D.(Montr.)

Nancy Feeley; N., B.Sc.(N.), M.Sc.(A.), Ph.D.(McG.)

Anita J. Gagnon; N., B.Sc.(N.), M.P.H., Ph.D.(McG.)

Mélanie Lavoie-Tremblay; N., B.Sc.(N.), M.Sc.(N.), Ph.D.(Laval), Post Doc.(Tor.)

Carmen G. Loiselle; N., B.Sc.(N.)(Montr.), M.S., Ph.D.(Wisc.-Madison)

Margaret Purden; N., B.Sc.(N.), Ph.D.(McG.)

### Assistant Professors

Marcia Beaulieu; N., B.Sc., M.Sc.(A.), Ph.D.(McG.)

Madeleine M. Buck; N., B.Sc.(N.), M.Sc.(A.)(McG.)

Céline Gélinas; N., B.Sc.(N.), M.Sc.(N.), Ph.D.(Laval), Post Doc.(McG.)

Catherine P. Gros; N., B.Sc.(Mass.), M.Sc.(A.)(McG.) (*part-time*)

Sonia Semenic; N., B.A., M.Sc.(A.), Ph.D.(McG.)

### Faculty Lecturers

Cheryl Armistead; N., B.Sc.(N.), M.Sc.(N.)(Ott.)

Maria Di Feo; N., B.Sc.(N.)(Montr.)

Elaine Doucette; N., B.Sc.(C'dia), B.Sc.(N.), M.Sc.(N.)(Ott.)

Françoise Filion; N., B.Sc.(N.), M.Sc.(N.)(Montr.)

Shari Patricia Gagné; N., B.Sc.(N.)(Ott.), M.Sc.(A.)(McG.)

Heather D. Hart; N., B.Sc.(N.)(W. Ont.), B.Ed.(Bran.), M.Sc.(A.)(McG.) (*part-time*)

Sandie Larouche; N., B.Sc.(N.)(Laval), M.Sc.(A.)(McG.)

Norma Ponzoni; N., B.Sc.(N.), M.Sc.(N.), Ph.D.(c)(Montr.)

Rosalia Sanzone; N., B.Sc.(N.), M.Sc.(A.)(McG.)

### Instructor

Diana Gausden; N., SCPHN(Southbank Univ., Lond.) (*part-time*)

### Contracted Faculty (part-time)

Patricia Alfaro; N., B.N.(I.)(McG.)





**Contracted Faculty (part-time)**

Melanie Sabbagh; N., B.Sc.(N.), M.Sc.(A.)(McG.)

Irene Sarasua; N., B.A.(Tor.), M.Sc.(A.)(McG.)

Sarah Shea; N., B.Sc.(N.)(McG.)

## Other Teaching Centres

CSSS Pointe de l'île

CSSS St. Leonard-St. Michel

CSSS Sud Ouest Verdun (CLSC St. Henri, CLSC Verdun, CLSC Ville Emard-Côte St. Paul, Hôpital Verdun)

Jewish Eldercare Centre

Jewish Rehabilitation Hospital

Kanesatake Health Center

Kateri Memorial HospitalKgtr

### Adjunct Professor

Bruce Gottlieb

### Associate and Affiliate Members

Nabeel Ali, Rhonda Amsel, S. Robin Cohen, Jae-Marie Ferdinand, Ronald D. Gottesman, Mary Ellen Macdonald, Brett Thombs, Gerald van Gurp

### Clinical Instructors

Stephanie Allain, Claudine Allard, Joyce Marie Arsenault, John Atkins, Theresa Broda, Daniel Carpenter, Joanne Côté, Oriliz Cuffaro, Antoinette Ehrler, Suzie Gagnon, Micheline Gaudet, Tara Jesion, Celestine Kamdon, Donna Kindrat, Sheila Koutsogiannopoulos, Linda Mai Lee, Catherine Lloyd, Farah Michel, Sharron Runions, Chantal Souigny, Vida Stibernik, Marika Swidzinski, Diana Taddeo, Barbara Ann Taugher, Teresa Testa, Patrick Vaillant

#### 23.11.1.5 Master of Science, Applied (M.Sc.A.); Nursing (Non-Thesis) (58 credits)

(45-58 credits)

This program has six streams: the Nurse Bachelor Entry (Adjunct) program comprising 50 credits; the Nurse Bachelor Entry (Clinical) program comprising 49 credits; the Direct-Entry (Clinical) program comprising 55 credits; the Direct-Entry (Global Health Studies) program comprising 58 credits; the Nurse Bachelor Entry (Global Health Studies) program comprising 51 credits; and the Nurse Bachelor Entry (Nurse Practitioner) comprising 45 credits.

#### Required Courses - All Streams (21 credits)

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 611D1	(3)	Seminar in Nursing
NUR2 611D2	(3)	Seminar in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 626	(3)	Professional Issues in Nursing
NUR2 630	(3)	Clinical Project 1
NUR2 642	(3)	Ethics in Advanced Practice

#### Complementary Courses (37 credits)

(24-37 credits)

34 credits - Direct-Entry students (Clinical)

28 credits - Nurse-Bachelors Entry students (Clinical)

24 credits - Nurse-Bachelors Entry students (Nurse Practitioner)

29 credits - Nurse-Bachelors Entry students (Adjunct)

37 credits - Direct Entry students (Global Health Studies)

30 credits - Nurse-Bachelor Entry students (Global Health Studies)

S Studiesotei.ScTache2inucredits)

(6)

Clinical Laboratory in Nursing 3

NUR2 616	(4)	Advanced Clinical Skills
NUR2 624	(4)	Clinical Laboratory in Nursing 2
NUR2 650D1	(11)	Neonatology Internship
NUR2 650D2	(11)	Neonatology Internship

#### **23.11.1.9 Graduate Diploma in Primary Nurse Practitioner (30 credits)**

Delineates a clinical course of study in primary care as a nurse practitioner that builds on theoretical preparation in either a master's or certificate program.

##### **Required Courses (30 credits)**

NUR2 616	(4)	Advanced Clinical Skills
NUR2 624	(4)	Clinical Laboratory in Nursing 2
NUR2 651D1	(11)	Primary Care Internship
NUR2 651D2	(11)	Primary Care Internship

#### **23.11.1.10 Doctor of Philosophy (Ph.D.); Nursing**

A student who has obtained a master's degree at McGill University or at an approved institution elsewhere may, on the recommendation of the School, be registered in the second year of the Ph.D. program.

Each student's program is designed with the thesis supervisor taking into account the student's previous academic preparation, needs, and research interests.

##### **Thesis**

##### **Required Courses**

A minimum of 18 credits beyond the master's level. Courses and seminars in research design, issues of measurement, advanced nursing, development of theory in nursing, advanced statistics, and complementary course(s) in the student's major field of study are compulsory. The student's program is decided in consultation with the thesis supervisor.

The follo

NUR2 702	(3)	Quantitative Research
NUR2 703	(3)	Issues of Measurement
NUR2 705	(3)	Palliative Care in Cancer
NUR2 730	(3)	Theory Development in Nursing Advanced Nursing

**Administrative Officers**

Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b> ( <i>until Sept. 2011</i> )
Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b> ( <i>as of Sept. 2011</i> )
Shari Baum; B.A.(C'neil), M.Sc.(Vermont), Ph.D.(Brown)	<b>Associate Dean (Graduate and Postdoctoral Studies)</b>
Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)	<b>Director (Graduate and Postdoctoral Affairs)</b>
Lissa B. Matyas; B.F.A., M.Sc.(C'dia)	<b>Director (Recruitment and Retention)</b>

**24.2.2 Location**

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5

Telephone: 514-398-3990  
Fax: 514-398-1626  
Email: [servicepoint@mcgill.ca](mailto:servicepoint@mcgill.ca)  
Website: [www.mcgill.ca/gps](http://www.mcgill.ca/gps)



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

**24.2.3 General Statement Concerning Higher Degrees**

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

**24.3 Important Dates 2011-2012**

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

**24.4 Graduate Studies at a Glance**

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

**Agricultural and Environmental Sciences**

- [section 14.11.1: Agricultural Economics](#)
- [section 14.11.2: Animal Science](#)
- [section 14.11.3: Bioresource Engineering](#)
- [section 14.11.4: Dietetics and Human Nutrition](#)
- [section 14.11.5: Food Science and Agricultural Chemistry](#)
- [section 14.11.6: Natural Resource Sciences](#)
- [section 14.11.7: Parasitology](#)
- [section 14.11.8: Plant Science](#)

**Arts**

- [section 15.11.1: Anthropology](#)
- [section 15.11.2: Art History](#)
- Classics, see [section 15.11.12: History and Classical Studies](#)

**Arts**

*section 15.11.4: Communication Studies*

*section 15.11.5: East Asian Studies*

*section 15.11.6: Economics*

*section 15.11.7: English*

*section 15.11.8: French Language*



**Law**

*section 20.11.1: Law*

**McGill School of Environment**

*section 21.11.1: Environment*

**Medicine**

*section 22.11.1: Anatomy and Cell Biology*

*section 22.11.2: Biochemistry*

*section 22.11.3: Bioethics*

*section 22.11.4: Biomedical Engineering*

*section 22.11.5: Communication Sciences and Disorders*

*section 22.11.6: Epidemiology and Biostatistics*

Experimental Medicine, see *section 22.11.10: Medicine, Experimental*

*section 22.11.8: Human Genetics*

*section 22.11.9: Medical Physics*

*section 22.11.11: Microbiology and Immunology*

*section 22.11.12: Neuroscience (Integrated Program in)*

*section 23.11.1: Nursing*

*section 22.11.13: Occupational Health*

*section 22.11.14: Otolaryngology – Head and Neck Surgery*

*section 22.11.15: Pathology*

*section 22.11.16: Pharmacology and Therapeutics*

*section 24.11.1: Physical and Occupational Therapy*

*section 22.11.17: Physiology*

*section 22.11.18: Psychiatry*

*section 22.11.19: Surgical Research*

**Religious Studies**

*section 25.11.1: Religious Studies*

**Schulich School of Music**

*section 26.11.1: Schulich School of Music*

**Science**

*section 27.11.1: Atmospheric and Oceanic Sciences*

*section 27.11.2: Biology*

*section 27.11.3: Chemistry*

*section 27.11.4: Computer Science*

*section 27.11.5: Earth and Planetary Sciences*

*section 15.11.9: Geography*

*section 15.11.18: Mathematics and Statistics*

*section 27.11.8: Physics*

*section 15.11.21: Psychology*

### 24.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

#### Graduate Diplomas are offered in:

Clinical Research (Experimental Medicine)	Primary Care Nurse Practitioner
Epidemiology and Biostatistics	Professional Performance
Islamic Studies	Public Accountancy (C.A.)
Library and Information Studies	Registered Dietician Credentialing (R.D.)
Mining Engineering	School and Applied Child Psychology (post-Ph.D.)
Nursing	Surgical Health Care Research

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

#### Graduate Certificates are offered in:

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

All graduate regulations apply to graduate diploma and certificate candidates.

### 24.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

#### The following master's degrees are offered (*see below for more information about sub-specializations*):

#### Prerequisites:

Master of Architecture (M.Arch)	M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.
Master of Arts (M.A.)	Bachelor of Arts in the subject selected for graduate work. See appropriate unit.
Master of Business Administration (M.B.A.)	An undergraduate degree from an approved university. See Management.
Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Law (B.A.)	See Management.

**The following master's degrees are offered (see below for more information about sub-specializations):****Prerequisites:**

Master of Music (M.Mus.)	Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.
Master of Sacred Theology (S.T.M.)	B.A. with specialization in religious studies or theology. See Religious Studies.
Master of Science (M.Sc.)	Bachelor of Science in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (M.Sc.A.)	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (OT) (M.Sc.A. (OT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (PT) (M.Sc.A. (PT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Social Work (M.S.W.)	Bachelor's degree in Social Work including courses in statistics and social science research methods. See Social Work.
Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See School of Social Work.
Master of Urban Planning (M.U.P.)	Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.

**Master of Architecture Degrees**

M.Arch. programs offered:

M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research

M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology

Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)

Classics (Thesis and Non-Thesis)

Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies

Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)

Education (Thesis and Non-Thesis)

English (Thesis and Non-Thesis)

French (Thesis and Non-Thesis); option in Gender and Women's Studies

Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics

German Studies (Thesis and Non-Thesis)

Hispanic Studies (Thesis and Non-Thesis)

History (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Thesis and Non-Thesis), History of Medicine (Non-Thesis)

Islamic Studies; option in Gender and Women's Studies

Italian Studies (Thesis and Non-Thesis)

Jewish Studies (Thesis and Non-Thesis)

Kinesiology and Physical Education (Thesis and Non-Thesis)

Linguistics (Non-Thesis)

Mathematics and Statistics (Thesis and Non-Thesis)

Music (Thesis and Non-Thesis)

Philosophy; option in Bioethics

Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)

Psychology

Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies

Russian

Sociology (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), Environment, Gender and Women's Studies (Thesis and Non-Thesis), Medical Sociology (Thesis and Non-Thesis), Social Statistics (Non-Thesis), Neotropical Environment

**Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

- M.B.A. with M.D.,C.M.
- M.B.A. with B.C.L. and LL.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

### **Master's Degrees in Education**

Three types of master's degrees are offered: M.A. (Thesis and Non-Thesis), M.Ed. (Non-Thesis) and M.Sc. (Thesis and Non-Thesis).

The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis); Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
- Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)
- Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
- Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

- Educational Psychology

The M.Sc. may be taken in the following area:

- Kinesiology and Physical Education (Thesis and Non-Thesis)

### **Master's Degree in Engineering**

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- ,Thesis and Nonn's SKg CombeYand Non-Thesis); ombentaal etrmatics

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

Music Technology  
Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies  
Music Education (Thesis and Non-Thesis)  
Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

Composition  
Performance (various options) (Non-Thesis)  
Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

### **Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

### **Master's Degrees in Religious Studies**

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.

### **Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

Agricultural Economics  
Animal Science  
Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment  
Biochemistry; options in Bioinformatics, and Chemical Biology  
Biology; options in Bioinformatics, Environment, and Neotropical Environment  
Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment  
Cell Biology and Anatomy  
Chemical Engineering  
Chemistry; option in Chemical Biology  
Civil Engineering and Applied Mechanics  
Communication Sciences and Disorders  
Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering  
Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery  
Earth and Planetary Sciences; option in Environment  
Entomology; options in Environment, and Neotropical Environment  
Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)  
Food Science and Agricultural Chemistry (Thesis and Non-Thesis)  
Geography; options in Environment, and Neotropical Environment  
Genetic Counselling (Non-Thesis)  
Human Genetics; option in Bioinformatics  
Human Nutrition  
Kinesiology and Physical Education (Thesis and Non-Thesis)  
Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering  
Mechanical Engineering  
Medical Radiation Physics  
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine

Physics  
 Physiology; option in Bioinformatics  
 Plant Science; options in Bioinformatics, Environment, and Neotropical Environment  
 Psychiatry  
 Psychology  
 Rehabilitation Sciences (Thesis and Non-Thesis)  
 Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment  
 Surgery, Experimental

**Master of Science, Applied, Degrees**

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

Programs are available in:

Animal Science  
 Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment  
 Biotechnology  
 Chemistry  
 Communication Sciences and Disorders  
 Human Nutrition  
 Nursing  
 Occupational Health  
 Occupational Therapy  
 Plant Science  
 Physical Therapy

Other degrees:

Master of Science, Applied (OT)  
 Master of Science, Applied (PT)

**Master of Social Work Degrees**

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

M.S.W. with B.C.L. and LL.B.

**Master of Urban Planning Degree**

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

Options: Transportation Planning and Urban Design.

**24.4.3 Doctoral Degrees**

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

**The following doctoral degrees are offered (see below for more information about sub-specializations):** Prerequisites:

Doctor of Civil Law (D.C.L.)	B.C.L. or LL.B. and usually LL.M. See Law.
Doctor of Music (D.Mus.)	M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.
Doctor of Philosophy (Ph.D.)	an appropriate graduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in

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

#### **Doctor of Music Degrees**

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

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

#### **Doctor of Philosophy Degrees**

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

Anatomy and Cell Biology  
Animal Science; option in Bioinformatics  
Anthropology; option in Neotropical Environment  
Architecture  
Art History; option in Gender and Women's Studies  
Atmospheric and Oceanic Sciences  
Biochemistry; options in Bioinformatics, and Chemical Biology  
Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment  
Biomedical Engineering; option in Bioinformatics  
Bioresource Engineering; options in Environment, and Neotropical Environment  
Chemical Engineering  
Chemistry; option in Chemical Biology  
Civil Engineering and Applied Mechanics  
Classics  
Communication Studies; option in Gender and Women's Studies  
Communication Sciences and Disorders; option in Language Acquisition  
Computer Science; option in Bioinformatics  
Counselling Psychology  
Earth and Planetary Sciences; option in Environment  
Economics  
Educational Psychology  
Educational Studies; option in Gender and Women's Studies  
Electrical Engineering  
English  
Entomology; options in Environment, and Neotropical Environment  
Epidemiology and Biostatistics  
Food Science and Agricultural Chemistry  
French; option in Gender and Women's Studies  
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment  
German  
Hispanic Studies  
History  
Human Genetics; option in Bioinformatics  
Human Nutrition  
Information Studies  
Islamic Studies; option in Gender and Women's Studies  
Linguistics; option in Language Acquisition  
Management  
Mathematics and Statistics; option in Bioinformatics  
Mechanical Engineering  
Medicine, Experimental; option in Environment  
Microbiology and Immunology  
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment  
Mining and Materials Engineering  
Music; option in Gender and Women's Studies  
Neuroscience  
Nursing; option in Psychosocial Oncology  
Occupational Health Sciences  
Parasitology; options in Bioinformatics, and Environment





The candidate is required to pass, with a mark of B- or better, all those courses which 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 course work (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.

#### **Resear**

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 English and French Language Centre. The teaching is intensive and class sizes are kept small.

where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

#### **24.6.1 Application for Admission**

Application information and the online application form are available at [www](#)

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.
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 mark 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. 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 av

Students shall fulfil

be found at [www.mels.gouv.qc.ca/ens-sup/ens-univ/droits\\_scolaire-A\\_pays-organisations.pdf](http://www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolaire-A_pays-organisations.pdf); are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: [www.mels.gouv.qc.ca/international/index\\_en.asp?page=progExemp](http://www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp). The list of org

#### **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

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*

### **24.8.3 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*

### **24.8.4 Leave of Absence for Health and Parental/Familial Reasons**

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#)).

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 GPS. See procedure under [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#). 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 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 Federal and Quebec Councils through fellowships or research grants. The document is available at [www.mcgill.ca/gps/postdocs/becoming/leave](http://www.mcgill.ca/gps/postdocs/becoming/leave) under “Information on Funding Council Leave Policies for Graduate Students and Postdoctoral Fellow



- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- 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);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

## 24.9 Graduate Studies Guidelines and Policies

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



**Note:** The University Exam Regulations governed by the [section 2.16: University Student Assessment Policy](#) (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at [www.mcgill.ca/students/exams/regulations](http://www.mcgill.ca/students/exams/regulations). The revised Regulations will be published in the *University Regulations and Resources* section of the 2012-2013 *Programs, Courses and University Regulations* publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

### 24.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

#### 1. Assignment of Advisers, Supervisors, and Committees

i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

#### 2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

v. **There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review**

**progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.**

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

### **3. Responsibilities**

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

### **4. Quality of Supervision and Teaching**

i. Academic units and Graduate and Postdoctoral y 8.1 Tf(c reodemic rldoc854 1 161e and Postdoc57qi3e.)Tj/F3 8R(ess and m pro)Tj1 0 0 1 0 andg in Montreal an

sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectiv

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

### **Format**

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

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

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

### **Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

### **Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

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

### **Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one f

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

#### **Other Relevant Policies/Offices**

Charter of Student Rights  
Graduate Studies Reread Policy  
Office for Students with Disabilities

*Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997*

### **24.9.5 Graduate Studies Reread Policy**

**This policy applies only in the case of marks given for written work in 600- and 700-level courses.** For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

#### **Consultation**

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

#### **Verification**

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

#### **Rereads**

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

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

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

- 1.** The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However

wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

- 6.** The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

*Prepared by the Committee on Graduate Programs, Supervision and Teaching*

*Approved by Council of the Faculty of Graduate Studies and Research*

**24.10.1 Policy on Research Ethics**

Please refer to the Policy on Research Ethics available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

**24.10.2 Regulations on Research Policy**

Please refer to the Regulations on Research Policy available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

**24.10.3 Policy on Research Integrity**

Please refer to the Policy on Research Integrity available at: [www.mcgill.ca/research/about/integrity](http://www.mcgill.ca/research/about/integrity).

**24.10.4 Guidelines for Research Involving Human Subjects**

Please refer to the guidelines for research involving human subjects available at: [www.mcgill.ca/research/researchers/compliance/human](http://www.mcgill.ca/research/researchers/compliance/human).

**24.10.5 Guidelines for Research with Animal Subjects**

Please refer to the guidelines for research involving animal subjects available at: [www.mcgill.ca/research/researchers/compliance/animal](http://www.mcgill.ca/research/researchers/compliance/animal).

**24.10.6 Policy on Intellectual Property**

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

**24.10.7 Regulations Governing Conflicts of Interest**

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

**24.10.8 Safety in Field Work**

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

**24.10.9 Office of Sponsored Research**

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

**24.10.10 Postdocs**

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

**24.10.11 Research Associates**

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. ([www.mcgill.ca/apo/classifications/other/research-associate](http://www.mcgill.ca/apo/classifications/other/research-associate))

---

**24.11 Academic Programs**

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

**24.11.1 Physical and Occupational Therapy****24.11.1.1 Location**

School of Physical and Occupational Therapy  
3654 Promenade Sir-William-Osler  
Montreal, QC H3G 1Y5  
Canada





*section 24.11.1.9: Doctor of Philosophy (Ph.D.); Rehabilitation Science*

This program consists of three to four years of study, on average, for graduates with master's-level training in one of the medical rehabilitation disciplines or a related field. The program consists of required and elective coursework, a comprehensive written examination, a research proposal, a doctoral thesis, and an oral defence.

*section 24.11.1.10: Graduate Certificate in Assessing Driving Capabilities (15 credits)*

The 15-credit postgraduate certificate program aims to train Occupational Therapists to assess the driving abilities and performance of at-risk populations, retrain drivers, recommend adaptive vehicles and adapt technical aids that will allow disabled individuals to return to driving and preserve their independence and quality of life. The program comprises five courses. The first two are offered online; the other three are a combination of online and intensive workshops.

*section 24.11.1.11: Graduate Certificate in Chronic Pain Management (15 credits)*

Please contact the Department for more information about this program.

**24.11.1.3 Physical and Occupational Therapy Admission Requirements and Application Procedures**

**24.11.1.3.1 Admission Requirements**

**M.Sc. in Rehabilitation Science (Thesis)**

1. A B.Sc. degree or equivalent in Physical or Occupational Therapy or a related field from a university of recognized reputation.
2. Evidence of high academic achievement, equivalent to B standing, or a McGill CGPA of 3.0 (70-74%).
3. Prerequisite courses may be required in statistics, anatomy, physiology, psychology, sociology, neurophysiology, or other areas, depending on the student's anticipated specialization.
4. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (Test of English as a Foreign Language) with a minimum score of 100 on the Internet-based test with each component score not less than 20 (School requirement), or the International English Language Testing System (IELTS) with a minimum overall band score of 7.0.
5. The GRC9cG01e 0 1 ternw0 Tc0 0 1 Tm(The GRC9 1 ternw0 Tc8.7era)Tjast ws tecommend d tfless thdiap

A B.Sc. (Rehabilitation Science) majoring in O.T., or evidence of high academic achievement in Qualifying Year for entry into M.Sc.A. (O.T.), equivalent to B standing, or a McGill CGPA of 3.0 (70-74%) is required.

#### **Ph.D. in Rehabilitation Science**

1. An M.Sc. degree in a rehabilitation-related discipline from a university of recognized reputation.
2. Evidence of high academic achievement, equivalent to B+ standing, or a McGill CGPA of 3.3 (75-79%) is required.
3. Proof of proficiency in English. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (Test of English as a Foreign Language) with a minimum score of 100 on the Internet-based test with each component score not less than 20 (School requirement), or the International English Language Testing System (IELTS) with a minimum overall band score of 7.0.
4. GRE Test with a minimum score of 600 in verbal and quantitative categories and a score of 4.5 to 5 in analytical writing. The test is recommended for the following applicants: those who do not have a B.Sc., M.Sc., or equivalent from a Canadian university; those who have been out of university for five years or more.

For enquiries about Graduate Records Examination, please contact GRE Educational Testing Service, Princeton, NJ 08540; telephone: 609-683-2002; website: [www.ets.org/gre](http://www.ets.org/gre).

Applicants must ensure that official test results are sent to McGill University directly by the testing service. Applications cannot be considered if test results are not available.

#### **Graduate Certificate in Assessing Driving Capabilities**

1. A B.Sc. degree or equivalent in Occupational Therapy or a related field from a university of recognized reputation.
2. Evidence of high academic achievement, equivalent to B standing or a McGill CGPA of 3.0 (70-74%).
3. See points 3, 4, and 5 under M.Sc. in Rehabilitation Science for more information on prerequisites, TOEFL, and GRE.

#### **Graduate Certificate in Chronic Pain Management**

Please note that this program is under review. Contact the Department for more information regarding admission requirements and application procedures.

#### **24.11.1.3.2 Application Procedures**

It is recommended to apply for admission online at the following address: [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

Applications will be considered upon receipt of:

1. the completed application form;
2. \$100 application fee;
3. a complete curriculum vitae (except for M.Sc.A. (O.T.), M.Sc.A. (P.T.));
4. a statement of purpose (except for M.Sc.A. (O.T.), M.Sc.A. (P.T.));
5. two original official transcripts (university program) (except for U3 & QY students applying to M.Sc.A. (O.T.), M.Sc.A. (P.T.));
6. two letters of reference on official letterhead (except for U3 & QY students applying to M.Sc.A. (O.T.), M.Sc.A. (P.T.));
7. test results (GRE, TOEFL), if required.

#### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/physical-and-occupational-therapy](http://www.mcgill.ca/gradapplicants/physical-and-occupational-therapy). Then select the appropriate program.



**Note:** We are not willing to consider any applications to be admitted for the Winter term.

Documents are to be mailed directly.

**M.Sc.A. (P.T.), M.Sc.A. (O.T.)**

Professional Masters Scet.e23vu4h a

3654 Promenade Sir-William-Osler (upper Drummond Street)  
 Montreal, QC H3G 1Y5  
 Telephone: 514-398-2271  
 Fax: 514-398-6360

#### **Driving Certificate Program**

Driving Certificate Coordinator  
 School of Physical and Occupational Therapy  
 Davis House, Room 5  
 3654 Promenade Sir-William-Osler (upper Drummond Street)  
 Montreal, QC H3G 1Y5  
 Telephone: 514-398-2271  
 Fax: 514-398-6360

#### **24.11.1.4 Physical and Occupational Therapy Faculty**

##### **Director**

Annette Majnemer

##### **Academic Director, Occupational Therapy**

Bernadette Nedelec

##### **Academic Associate Director, Occupational Therapy**

Aliki Thomas

##### **Academic Director, Physical Therapy**

Judith Soicher

##### **Academic Director, Graduate Programs**

Eva Kehayia

##### **Academic Associate Director, Graduate Programs**

Isabelle Gélinas

##### **Emeritus Professors**

Robert Dykes; B.A.(Calif.-LA), Ph.D.(Johns Hop.)  
 Erika Gisel; B.Sc.(P.T.), B.Sc.(L.S.), M.Sc., Ph.D.(McG.)  
 Sharon Wood-Dauphinee; B.Sc.(P.T.), Dip.Ed., M.Sc.A., Ph.D.(McG.)

##### **Professors**

Hugues Barbeau; B.Sc.(P.T.), M.Sc., Ph.D.(Laval)  
 Mindy Levin; B.Sc.(P.T.), M.Sc., Ph.D.(McG.)  
 Annette Majnemer; B.Sc.(O.T.), M.Sc., Ph.D.(McG.)  
 Nancy Mayo; B.Sc.(P.T.)(Qu.), M.Sc., Ph.D.(McG.)

##### **Associate Professors**

Joyce Fung; B.Sc.(P.T.)(Hong Kong Polytech. U.), Ph.D.(McG.)  
 Isabelle Gélinas; B.Sc.(O.T.)(Montr.), M.Sc.(Virg.), Ph.D.(Rehab.Sc.)(McG.)  
 Eva Kehayia; B.A., M.A., Ph.D.(McG.)  
 Nicol Komer-Bitensky; B.Sc.(O.T.), M.Sc., Ph.D.(McG.)



## Associate Professors

Anouk Lamontagne; B.Sc., M.Sc., Ph.D.(Laval)

Patricia McKinley; B.A., M.A., Ph.D.(Calif.-LA)

Bernadette Nedelec; B.Sc.(O.T.), Ph.D.(Alta.)

Laurie Snider; B.Sc.(O.T.)(McG.), M.A.(Br. Col.), Ph.D.(Tor.)

### Professional Associates

Anita Menon; B.Sc.(O.T.)(McG.), M.Sc.(Rehab Sc.)(McG.)

Maria Rapoport; B.Sc.(P.T.)(McG.)

Rochelle W. Rein; B.Sc.(P.T.)(McG.)

Kimberley Smalridge; B.Sc.(P.T.)(McG.), B.A.(C'dia)

### Associate Members

Bruno Gagnon; M.D.,C.M.(Laval), M.Sc.(McG.)

Robert Jagoe; B.A., Ph.D.(UK)

### Adjunct Member

Sharon Henry; B.S.(P.T.)(Vermont), Ph.D.(Vermont)

## 24.11.1.5 Master of Science (M.Sc.); Rehabilitation Science (Thesis) (45 credits)

### Thesis Courses (29 credits)

POTH 696	(2)	Thesis Research
POTH 697	(6)	Thesis Research 1
POTH 698	(9)	Thesis Research 2
POTH 699	(12)	Thesis Research 3

### Required Courses (10 credits)

A research proposal is to be submitted in written form and defended in front of a supervisory committee. Research proposals should be completed by the beginning of the second full-time year.

EPIB 507	(3)	Biostatistics for Health Professionals
POTH 610	(4)	Research Methodology
POTH 614	(2)	Selected Topics in Rehabilitation Science
POTH 616	(1)	Seminars in Rehabilitation Science
POTH 617	(0)	Rehabilitation Seminars 1

### Complementary Courses (6 credits)

To be chosen from among graduate-level departmental course offerings that pertain to the student's area of specialization or other campus courses at the 500 or 600 levels with permission of the Graduate Program Director. Some courses may be offered alternate years only.

Note: Students may take either POTH 620 or POTH 630.

POTH 603	(3)	Directed Practicum
POTH 604	(3)	Current Topics in Pediatrics
POTH 618	(3)	Topics in Rehabilitation
POTH 620	(3)	Measurement: Rehabilitation 1
POTH 622	(3)	Pathokinesiology
POTH 630	(3)	Measurement: Rehabilitation 2

POTH 677	(3)	Retraining Driving Skills
POTH 682	(3)	Promoting Healthy Activity
POTH 685	(3)	Perception and Action

**24.11.1.6 Master of Science (M.Sc.); Rehabilitation Science (Non-Thesis) (45 credits)**

This program has two options. In the first option, students complete 30 credits of required and complementary courses plus a 15-credit research project in their area of interest. In the second option, students complete 45 credits of required and complementary coursework. The program normally takes three to four terms when done on a full-time basis.

**Required Courses (10 credits)**

EDPH 689	(3)	Teaching and Learning in Higher Education
EPIB 507	(3)	Biostatistics for Health Professionals
POTH 610	(4)	Research Methodology
POTH 617	(0)	Rehabilitation Seminars 1
POTH 619	(0)	Rehabilitation Seminars 2

**Complementary Courses (30 credits)**

Group A: 20 credits

Chosen from the following courses offered by the School, or other campus courses at the 500 or 600 levels with permission of the Graduate Program Director. Some courses may be offered alternate years only.

Note: Students may take POTH 620 or POTH 630.

POTH 508	(3)	Plasticity in Rehabilitation
POTH 603	(3)	Directed Practicum
POTH 604	(3)	Current Topics in Pediatrics
POTH 614	(2)	Selected Topics in Rehabilitation Science
POTH 618	(3)	Topics in Rehabilitation
POTH 620	(3)	Measurement: Rehabilitation 1
POTH 622	(3)	Pathokinesiology
POTH 630	(3)	Measurement: Rehabilitation 2
POTH 631	(3)	Research Proposal
POTH 673	(3)	Screening for at Risk Drivers
POTH 674	(3)	Assessing Driving Ability 1
POTH 675	(3)	Driving Assessment Practicum
POTH 676	(3)	Adaptive Equipment and Driving
POTH 677	(3)	Retraining Driving Skills
POTH 682	(3)	Promoting Healthy Activity
POTH 685	(3)	Perception and Action

The above list of complementary courses is subject to change. Please refer to our course guide on the School's website.

Group B: 15 credits, one of the following options:

Option 1, Directed Project:

POTH 661	(7)	Research Project 1
POTH 662	(8)	Research Project 2

Note: Registration for the above courses requires pre-approval by the Graduate Program Director.

OR

No directed project, 15 credits of 500-, 600-, or 700-level courses.

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

3 credits at the 500 or 600 level may be chosen from the Desautels Faculty of Management MBA/MD program.

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



EDPH 689

(3)

Teaching and Learning in Higher Education

EPIB 507

(3)

Biostatistics for Health Professionals

Research Mso 0 0 dology1 0 0 1 165.864 709.12 Tm(Rese(4j1 0 0 1 70.52 709.12 Tm(ResePO1 0 0 1 70.58 7048.12 Tm

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. 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*

---

## 25.2 Graduate and Postdoctoral Studies

### 25.2.1 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 Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)

**Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)**

Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.

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

Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)

**Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)**

Shari Baum; B.A.(C'neil), M.Sc.(Vermont), Ph.D.(Brown)

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

Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)

**Director (Graduate and Postdoctoral Affairs)**

Lissa B. Matyas; B.F.A., M.Sc.(C'odia)

**Director (Recruitment and Retention)**

### 25.2.2 Location

James Administration Building, Room 400

845 Sherbrooke Street West

Montreal, QC H3A 2T5

Telephone: 514-398-3990



**Education**

*section 18.11.1: Educational and Counselling Psychology*

*section 18.11.2: Information Studies*

*section 18.11.3: Integrated Studies in Education*

*section 18.11.4: Kinesiology and Physical Education*

**Engineering**

*section 19.11.1: Architecture*

*section 19.11.2: Chemical Engineering*

*section 19.11.3*

**Religious Studies**

*section 25.11.1: Religious Studies*

**Schulich School of Music**

*section 26.11.1: Schulich School of Music*

**Science**

*section 27.11.1: Atmospheric and Oceanic Sciences*

*section 27.11.2: Biology*

*section 27.11.3: Chemistry*

*section 27.11.4: Computer Science*

*section 27.11.5*

<b>The following master's degrees are offered (see below for more information about sub-specializations):</b>	<b>Prerequisites:</b>
Master of Architecture (M.Arch)	M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.
Master of Arts (M.A.)	Bachelor of Arts in the subject selected for graduate work. See appropriate unit.
Master of Business Administration (M.B.A.)	An undergraduate degree from an approved university. See Management.
Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See Management.
Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)	See Management.
Master of Manufacturing Management (M.M.M.)	See Management.
Master of Education (M.Ed.)	A 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 Law.
Master of Library and Information Studies (M.L.I.S.)	At least a bachelor's degree from a recognized university. See Library and Information Studies.
Master of Management (M.M.)	See Management.
Master of Music (M.Mus.)	Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.
Master of Sacred Theology (S.T.M.)	B.A. with specialization in religious studies or theology. See Religious Studies.
Master of Science (M.Sc.)	Bachelor of Science in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (M.Sc.A.)	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (OT) (M.Sc.A. (OT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Science, Applied (PT) (M.Sc.A. (PT))	A bachelor's degree in the subject selected for graduate work. See appropriate unit.
Master of Social Work (M.S.W.)	Bachelor's degree in Social Work including courses in statistics and social science research methods. See Social Work.
Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)	See School of Social Work.
Master of Urban Planning (M.U.P.)	Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.

**Master of Architecture Degrees**

M.Arch. programs offered:

M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research

M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology

Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)

Classics (Thesis and Non-Thesis)

Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies

Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)

Education (Thesis and Non-Thesis)

English (Thesis and Non-Thesis)

French (Thesis and Non-Thesis); option in Gender and W

Biomedical Engineering; option in Bioinformatics

Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)

Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)

Electrical Engineering (Thesis and Project); option in Computational Science and Engineering

Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering

Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

**Other degrees:**

Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).



Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery  
 Earth and Planetary Sciences; option in Environment  
 Entomology; options in Environment, and Neotropical Environment  
 Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)  
 Food Science and Agricultural Chemistry (Thesis and Non-Thesis)  
 Geography; options in Environment, and Neotropical Environment  
 Genetic Counselling (Non-Thesis)  
 Human Genetics; option in Bioinformatics  
 Human Nutrition  
 Kinesiology and Physical Education (Thesis and Non-Thesis)  
 Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering  
 Mechanical Engineering  
 Medical Radiation Physics  
 Medicine, Experimental; options in Bioethics, Environment, and Family Medicine  
 Microbiology and Immunology  
 Microbiology (Macdonald Campus); option in Environment  
 Mining and Materials Engineering  
 Neuroscience  
 Nursing  
 Otolaryngology  
 Parasitology; options in Bioinformatics, and Environment  
 Pathology  
 Pharmacology and Therapeutics; option in Chemical Biology  
 Physics  
 Physiology; option in Bioinformatics  
 Plant Science; options in Bioinformatics, Environment, and Neotropical Environment  
 Psychiatry  
 Psychology  
 Rehabilitation Sciences (Thesis and Non-Thesis)  
 Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment  
 Surgery, Experimental

#### **Master of Science, Applied, Degrees**

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

Programs are available in:

Animal Science  
 Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment  
 Biotechnology  
 Chemistry  
 Communication Sciences and Disorders  
 Human Nutrition  
 Nursing  
 Occupational Health  
 Occupational Therapy  
 Plant Science  
 Physical Therapy

Other degrees:

Master of Science, Applied (OT)  
 Master of Science, Applied (PT)

#### **Master of Social Work Degrees**

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

M.S.W. with B.C.L. and LL.B.

### Master of Urban Planning Degree

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

Options: Transportation Planning and Urban Design.

### 25.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

**The following doctoral degrees are offered (see below for more information about sub-specializations):** **Prerequisites:**

Doctor of Civil Law (D.C.L.)

B.C.L. or LL.B. and usually LL.M. See Law.

Doctor of Music (D.Mus.)

M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.

Doctor of Philosophy (Ph.D.)

An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.

### Doctor of Civil Law Degrees

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research de

Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment

German

Hispanic Studies

History

Human Genetics; option in Bioinformatics

Human Nutrition

Information Studies

Islamic Studies; option in Gender and Women's Studies

Linguistics; option in Language Acquisition

Management

Mathematics and Statistics; option in Bioinformatics

Mechanical Engineering

Medicine, Experimental; option in Environment

Microbiology and Immunology

- 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



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/staff/registration](http://www.mcgill.ca/gps/staff/registration).

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 studies must be approved by GPS before registration. Double counting is not permitted.

---

## 25.6 General Admission for Graduate Studies



**Note:** The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

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



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 pr**



## 25.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies  
 (Fellowships and Awards Section)  
 James Administration Building, Room 400  
 845 Sherbrooke Street West  
 Montreal, QC H3A 2T5  
 Telephone: 514-398-3990  
 Fax: 514-398-2626  
 Email: [graduate.fellowships@mcgill.ca](mailto:graduate.fellowships@mcgill.ca)  
 Website: [www.mcgill.ca/gps/students](http://www.mcgill.ca/gps/students) (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: <http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwhimpl/js/html/wwhelp.htm>

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The *Graduate Fellowships and Awards Calendar* lists all internal awards as well as numerous external awards.

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

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at [www.mels.gouv.qc.ca/ens-sup/ens-univ/droits\\_scolaire-A\\_pays-organisations.pdf](http://www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolaire-A_pays-organisations.pdf), are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: [www.mels.gouv.qc.ca/international/index\\_en.asp?page=progExemp](http://www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp). The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW's) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

## 25.8 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.

### 25.8.1 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 Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

### 25.8.2 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 are 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 Graduate and Postdoctoral Studies. 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

- 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 pro



graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

## **2. Program**

- i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.
- ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.
- iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.
- iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.
- v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research**

- iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.
- v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

*Revised by Council of FGSR, April 23, 1999 and October 6, 2003*

### 25.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended [section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision](#) in bold print. Documents to record progress can be found on the GPS website: [www.mcgill.ca/gps/staff/forms](http://www.mcgill.ca/gps/staff/forms).

The following is a summary of the main elements of the new **mandatory** policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees
2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.
3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.
4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.
5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.
6. All forms are to be kept in departmental files.
7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
  - be used **annually**;
  - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
  - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
  - permit the student to submit a minority report and not sign;
  - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

### 25.9.3 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*

### 25.9.4 Ph.D. Comprehensives Policy

#### Preamble

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 paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

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 and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

### **1. General Policy**

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. ("Mixed" modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

### **Specific Issues**

#### **Objectives and Content**

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

#### **Format**

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common 0 1 190 1 81.693 via reading 0 1 reli

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with **academic integrity** (see [www.mcgill.ca/students/srr/honest](http://www.mcgill.ca/students/srr/honest) for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the *Handbook on Students Rights and Responsibilities* available at [www.mcgill.ca/secretariat/policies/students](http://www.mcgill.ca/secretariat/policies/students)) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

## **Failures**

### **i. Repeats**

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensi



receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student **cannot be reread** unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee (\$35 for an exam, \$35 for a paper, \$35 for one or more assignments, to a maximum of \$105 per course) will be charged directly to the student's fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.
3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.
- 5.

- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

### **25.9.7 Failure Policy**

Please refer to *University Regulations and Resources > Graduate > Regulations > [section 2.14: Failure Policy](#)* for information regarding the polic

### 25.10.10 Postdocs

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

### 25.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. ([www.mcgill.ca/apo/classifications/other/research-associate](http://www.mcgill.ca/apo/classifications/other/research-associate))

---

## 25.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

### 25.11.1 Religious Studies

#### 25.11.1.1 Location

Faculty of Religious Studies  
William and Henry Birks Building  
3520 University Street  
Montreal, QC H3A 2A7  
Canada

Telephone: 514-398-4121

Fax: 514-398-6665

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

#### 25.11.1.2 About Religious Studies

The Faculty of Religious Studies offers programs leading to the degrees of Master of Arts (M.A.) (Thesis and Non-Thesis), Master of Arts (M.A.) (Thesis) with Specialization in Bioethics, Master of Arts (M.A.) (Thesis) with Specialization in Gender and Women's Studies, Master of Sacred Theology (S.T.M.), and Doctor of Philosophy (Ph.D.). A new interdisciplinary option in Gender and Women's Studies is also available for doctoral students.

The areas of graduate specializations of our world-renowned Faculty are: Hebrew Bible and/or Old Testament Studies, Early Judaism, Greco-Roman Judaism, New Testament and Early Christianity, Church History, Christian Theology, Philosophy of Religion, Religious Ethics, Biomedical Ethics, Hinduism, and Buddhism. The many different areas of research interest among the members of the Faculty frequently require the hiring of graduate students as Research Assistants especially as the Faculty is so successful in gaining research grants. The Faculty also seeks to train young scholars in the art of lecturing/teaching; to this end it has created opportunities for Ph.D. students to teach courses in the summer and permits M.A. and Ph.D. students to work as teaching assistants. The individual programs are described below.

Adequate library facilities are available in the William and Henry Birks Building and elsewhere in the University for the courses listed, and for research.

#### Language Requirements

The Faculty of Religious Studies offers courses in primary text source languages, such as Biblical Hebrew, Aramaic, Biblical Greek, Sanskrit, Pali, Tamil, and classical literary Tibetan. The Faculty does not guarantee instruction in any languages other than those mentioned above. Therefore, if a student wishes to have a language such as French, German, or Japanese counted as a second language, instruction may have to be sought outside the Faculty. The successful completion of at least 12 credits at the post-secondary level in a language course, or successful completion of a language examination administered by the appropriate member of the Faculty, will constitute evidence of the student's having the required reading knowledge of the language in question.

#### M.A.

Students are required to give their area committee evidence of reading knowledge of a scholarly language other than English. This language may be either a modern language in which there is a significant amount of scholarship relevant to the student's area of research, or a classical language relevant to the student's area of research. If a classical language is chosen, it must be in addition to any prerequisite language for the area in question.



**Note:** The M.A. with specialization in Bioethics has no language requirement.

#### Ph.D.

Students are required to give their area committee evidence of reading knowledge of two languages other than English. These languages must be chosen from modern languages in which there is a significant amount of scholarship relevant to the student's area of research or classical languages relevant to the student's area of research.

Research in some disciplines, or on certain thesis topics, may require proficiency in more than two languages besides English. In that case, additional language requirements may be stipulated by the supervisor.

#### **S.T.M.**

The S.T.M. program has no language requirement.

##### ***section 25.11.1.5: Master of Arts (M.A.); Religious Studies (Thesis) (48 credits)***

The purpose of the M.A. (Thesis) degree is to encourage advanced study and research in one of the disciplines of religious studies for those who wish to become scholars or teachers, or will be engaged in some field of religious or public service. An option in the M.A. (Thesis) program is the M.A. in Religious Studies with specialization in Bioethics, offered in collaboration with the Bioethics Unit.

##### ***section 25.11.1.6: Master of Arts (M.A.); Religious Studies (Thesis) — Gender and Women’s Studies (45 credits)***

The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet degree requirements in Religious Studies (and other participating departments and faculties) and who wish to focus on gender-related issues and feminist research and methodologies. Research focus is on a topic relating to gender issues or women’s studies.

##### ***section 25.11.1.7: Master of Arts (M.A.); Religious Studies (Thesis) — Bioethics (45 credits)***

The M.A. (Thesis) with specialization in Bioethics is offered in conjunction with the Bioethics Unit. Please contact the Religious Studies Department or Bioethics Unit for more information about this specialization. The curriculum is composed of required courses (6 credits) offered in the Biomedical Ethics Unit, bioethics courses (6 credit minimum) offered by the base faculty or department, and any graduate course required or accepted by a base faculty for the granting of a master’s degree, for a total of 21 credits. A minimum of 45 credits is required including the thesis.

##### ***section 25.11.1.8: Master of Arts (M.A.); Religious Studies (Non-Thesis) (45 credits)***

The M.A. without thesis is intended to ensure a student's well-rounded exposure to several religions and to several of the disciplinary approaches currently used in their academic study. Particular to this program is its ability to provide the student with the opportunity to develop three different research papers with reference to the student’s own interests in Religious Studies under the supervision of professors from various parts of the University.

##### ***section 25.11.1.9: Master of Sacred Theology (STM); Religious Studies (Non-Thesis) (48 credits)***

The S.T.M. is meant for those who intend to enter the ministry of the Christian Church or another religious institution, or proceed to a teaching career or to some form of social work. This degree enables students to specialize in one area or discipline of theological study before or after the third year of the M.Div. and is unique in Canada. The S.T.M. program is fully accredited by the Association of

**Master of**

### Emeritus Professors

G.B. Baum; B.A.(McM.), M.A.(Ohio), D.Th.(Fribourg)

M. Boutin; B.A., B.A., B.A.(Montr.), D.Th.(Munich) (*J.W. McConnell Professor of Philosophy of Religion*)

R.C. Culley; B.A.(Tor.), B.D.(Knox, Tor.), M.A., Ph.D.(Tor.), D.D.(Montr. Dio. Coll.)

D.J. Hall; B.A.(W. Ont.), M.Div., S.T.M., Th.D.(U.T.S., N.Y.), D.D.(Qu.), LL.D.(Wat.), D.D.(Presb. Coll.)

J.C. McLelland; B.A.(McM.), M.A.(Tor.), B.D.(Knox, Tor.), Ph.D.(Edin.), D.D.(Montr. Dio. Coll.), D.D.(Knox, Tor.)

D. R. Runnalls; B.A.(Br. Col.), B.D.(McG.), Ph.D.(Tor.)

F. Wisse; Ing.(Utrecht), B.A., B.D.(Calvin), Ph.D.(Claremont)

### Professors

D.B. Farrow; B.R.E.(Providence), M.Div.(Grace), M.Th.(Regent), Ph.D.(Lond.)

T. Kirby; B.A.(KCNS), M.A.(Dal.), D.Phil.(Oxf.)

G.S. Oegema; B.A., Th.D.(Vrije Universiteit, Amsterdam), M.A., Ph.D.(Free Univ., Berlin), Dr. Theol. Habil(Tübingen)

A. Sharma; B.A.(Alld.), M.A.(Syrac.), M.T.S., Ph.D.(Harv.) (*Henry Birks Professor of Comparative Religion*)

K.K. Young; B.A.(Vermont), M.A.(Chic.), Ph.D.(McG.) (*James McGill Professor of Hinduism/Comparative Religion*) (*Post-Retirement*)

### Associate Professors

E.B. Aitken; A.B.(Harv.), M.Div.(Univ. of the South), Th.D.(Harv.)

L. Braitstein; B.A., M.A., Ph.D.(McG.)

G. Fiasse; B.A., M.A., Ph.D.(Louvain) (*joint appt. with Philosophy*)

I.H. Henderson; B.A.(Manit.), B.D.(St.)



BIOE 681	(3)	Bioethics Practicum
RELG 571	(3)	Religion and Medicine
RELG 645	(3)	Methods in Religious Studies

**Complementary Courses (9 credits)**

9 credits at the 500 or 600 level, deemed necessary or accepted by the base faculty for the granting of a master's degree, in consultation with the supervisor.

**25.11.1.8 Master of Arts (M.A.); Religious Studies (Non-Thesis) (45 credits)****Research Project (9 credits)**

RELG 660	(3)	M.A. Research Paper 1
RELG 661	(3)	M.A. Research Paper 2
RELG 662	(3)	M.A. Research Paper 3

**Required Courses (6 credits)**

RELG 555	(3)	Honours Seminar
RELG 645	(3)	Methods in Religious Studies

**Complementary Courses (30 credits)**

30 credits of courses selected from the 500- or 600-level courses accepted by the Faculty of Religious Studies for the granting of a master's degree.

**Language Requirement**

Students are required to give their area committee evidence of reading knowledge of a scholarly language other than English. This language may be either a modern language in which there is a significant amount of scholarship relevant to the student's area of research, or a classical language relevant to the student's area of research. If a classical language is chosen, it must be in addition to any prerequisite language for the area in question.

**25.11.1.9 Master of Sacred Theology (STM); Religious Studies (Non-Thesis) (48 credits)**

ATS Accreditation:

The S.T.M. program is fully accredited by the Association of Theological Schools in the U.S. and Canada.

The normal requirement is two years (of two terms each) of full-time study (or one year of full-time study for those admitted with advanced standing into S.T.M. 2), but the degree may, by permission, be taken on a part-time basis.

Note: Ordination requirements for S.T.M. graduates will normally involve a further year of professional pastoral studies (the In-Ministry Year) provided by the Montreal School of Theology affiliated with the Faculty of Religious Studies.

Students admitted to Year 1 are required to complete twelve one-term courses (36 credits) and pass four Area Studies courses (12 credits). Students admitted to Year 2 are required to complete six one-term courses (18 credits) and pass two Area Studies courses.

**Required Courses (48 credits)**

Year 1 entrants, 12 credits from the following courses:

Year 2 entrants, 6 credits from the following courses:

RELG 520	(3)	Biblical Theology
RELG 530	(3)	Church History
RELG 531	(3)	Christian Theology
RELG 540	(3)	Philosophy of Religion
RELG 541	(3)	Theological Ethics
RELG 550	(3)	Comparative Religion



Year 1 entrants: 12 credits of additional courses.

Year 2 entrants: 6 credits of additional courses.

Students who take the S.T.M. as part of their ordination requirements are to choose their courses in consultation with the Principal of the Theological College with which they are associated.

Course selection for all S.T.M. students needs the approval of the Chair of Religious Studies Graduate Committee.

Related courses are also available in other departments.

### **25.11.1.10 Doctor of Philosophy (Ph.D.); Religious Studies**

#### **Thesis**

#### **Required Courses**

RELG 701	(0)	Major Comprehensive Examination
RELG 702	(0)	Minor Comprehensive Examination
RELG 703	(0)	Oral Comprehensive Examination

Candidates admitted to Ph.D. 1 take a minimum of six graduate seminars during their first year and four seminars during their Ph.D. 2 year; those admitted to Ph.D. 2 must take a minimum of four graduate seminars. If possible, two seminars should be in their area of specialization, and at least one should be at the 700 level.

#### **Language Requirements**

Students are required to give their area committee evidence of reading knowledge of two languages other than English. These languages must be chosen from modern languages in which there is a significant amount of scholarship relevant to the student's area of research, or from classical languages relevant to the student's area of research.

Research in some disciplines, or on certain thesis topics, may require proficiency in more than two languages besides English. In that case, additional language requirements may be stipulated by the supervisor.

#### **Doctoral Colloquium**

As one of their requirements, all Ph.D. students in residence shall attend the monthly graduate colloquium, at which time a student's thesis project is formally presented and discussed. Each student is required to present an aspect of his or her thesis research to a meeting of the Doktorklub before the thesis is submitted.

### **25.11.1.11 Doctor of Philosophy (Ph.D.); Religious Studies — Gender and Women's Studies**

#### **Thesis**

Presentation to Doktorklub of student's thesis research.

#### **Required Courses**

RELG 701	(0)	Major Comprehensive Examination
RELG 702	(0)	Minor Comprehensive Examination
RELG 703	(0)	Oral Comprehensive Examination
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

#### **Students admitted to Ph.D. 1**

Students admitted to Ph.D. 1 take a minimum of six (3-credit) graduate seminars during their first year and a minimum of four (3-credit) graduate seminars in Ph.D. 2 including:

WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

and one 3-credit graduate seminar with a substantive focus on gender and/or women's studies.

One 3-credit graduate seminar must be at the 700 level.

**Students entering into Ph.D. 2**

Students entering into Ph.D. 2 are required to take a minimum of four (3-credit) graduate seminars including:

WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

and one 3-credit graduate seminar with a substantive focus on gender and/or women's studies.

One 3-credit graduate seminar must be at the 700 level.

**Language Requirements**





**McGill School of Environment**

*section 21.11.1: Environment*

**Medicine**

*section 22.11.1: Anatomy and Cell Biolo*

### 26.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

#### Graduate Diplomas are offered in:

Clinical Research (Experimental Medicine)	Primary Care Nurse Practitioner
Epidemiology and Biostatistics	Professional Performance
Islamic Studies	Public Accountancy (C.A.)
Library and Information Studies	Registered Dietician Credentialing (R.D.)
Mining Engineering	School and Applied Child Psychology (post-Ph.D.)
Nursing	Surgical Health Care Research

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

#### Graduate Certificates are offered in:

Assessing Driving Capabilities	Educational Leadership 2
Air and Space Law	Library and Information Studies
Bioresource Engineering (IWRM)	Post-M.B.A.
Biotechnology	Teaching English as a Second Language
Comparative La	Theory in Primary Care



A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

- M.B.A. with M.D.,C.M.
- M.B.A. with B.C.L. and LL.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

### **Master's Degrees in Education**

Three types of master's degrees are offered: M.A. (Thesis and Non-Thesis), M.Ed. (Non-Thesis) and M.Sc. (Thesis and Non-Thesis).

The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis); Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
- Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)
- Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
- Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

- Educational Psychology

The M.Sc. may be taken in the following area:

- Kinesiology and Physical Education (Thesis and Non-Thesis)

### **Master's Degree in Engineering**

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- ,Thesis and Nonn's SKg CombeYand Non-Thesis); ombentaal etrmatics



Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

### **Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

### **Master's Degrees in Religious Studies**

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.

### **Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
- Medical Radiation Physics
- Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
- Microbiology and Immunology

Physics  
 Physiology; option in Bioinformatics  
 Plant Science; options in Bioinformatics, Environment, and Neotropical Environment  
 Psychiatry  
 Psychology  
 Rehabilitation Sciences (Thesis and Non-Thesis)  
 Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment  
 Surgery, Experimental

**Master of Science, Applied, Degrees**

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

Programs are available in:

Animal Science  
 Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment  
 Biotechnology  
 Chemistry  
 Communication Sciences and Disorders  
 Human Nutrition  
 Nursing  
 Occupational Health  
 Occupational Therapy  
 Plant Science  
 Physical Therapy

Other degrees:

Master of Science, Applied (OT)  
 Master of Science, Applied (PT)

**Master of Social Work Degrees**

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

M.S.W. with B.C.L. and LL.B.

**Master of Urban Planning Degree**

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

Options: Transportation Planning and Urban Design.

**26.4.3 Doctoral Degrees**

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

**The following doctoral degrees are offered (see below for more information about sub-specializations):** Prerequisites:

Doctor of Civil Law (D.C.L.)	B.C.L. or LL.B. and usually LL.M. See Law.
Doctor of Music (D.Mus.)	Performance, and professional and teaching experience (D.Mus. in Performance). See Music.





The candidate is required to pass, with a mark of B- or better, all those courses which 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 course work (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 tow

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 English and French Language Centre. The teaching is intensive and class sizes are kept small.

where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

#### **26.6.1 Application for Admission**

Application information and the online application form are available at [www](#)

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.
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 mark 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. 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 av





be found at [www.mels.gouv.qc.ca/ens-sup/ens-univ/droits\\_scolaire-A\\_pays-organisations.pdf](http://www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolaire-A_pays-organisations.pdf); are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: [www.mels.gouv.qc.ca/international/index\\_en.asp?page=progExemp](http://www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp). The list of org

#### **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.

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*

### 26.8.3 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*

### 26.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#)).

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 GPS. See procedure under [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#). 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/postdocs/becoming/leave](http://www.mcgill.ca/gps/postdocs/becoming/leave) under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

### 26.8.5 Postdoctoral Research Trainees

#### Eligibility

If your situation does not conform to the *Quebec Ministère de l'Éducation, du Loisir et du Sport* (MELS) 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 MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

**Category 3m(y)Tj1 0 0 1 232.218403 Tm(y)Tj1 0 0 1 232.218 293.403 Tm()Tj1 v.864 317m23 1 67.52 356.583 Tm(oes an.864 317m23 he Doctoral old3.12profession**



**progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.**

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

### **3. Responsibilities**

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

### **4. Quality of Supervision and Teaching**

i. Academic units and Graduate and Postdoctoral y 8.1 Tf(c reodemic rldoc854 1 161e and Postdoc57qi3e.)Tj/F3 8R(ess and m pro)Tj1 0 0 1 0 andg in Montreal an

sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectiv

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

### **Format**

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

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

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

### **Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

### **Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

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

### **Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one f



A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

**Other Relevant Policies/Offices**

Charter of Student Rights  
Graduate Studies Reread Policy  
Office for Students with Disabilities

*Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997*

**26.9.5 Graduate Studies Reread Policy**

**This policy applies only in the case of marks given for written work in 600- and 700-level courses.** For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

**Consultation**

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the e

wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

- 6.** The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

*Prepared by the Committee on Graduate Programs, Supervision and Teaching*

*Approved by Council of the Faculty of Graduate Studies and Research*

### **26.10.1 Policy on Research Ethics**

Please refer to the Policy on Research Ethics available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

### **26.10.2 Regulations on Research Policy**

Please refer to the Regulations on Research Policy available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

### **26.10.3 Policy on Research Integrity**

Please refer to the Policy on Research Integrity available at: [www.mcgill.ca/research/about/integrity](http://www.mcgill.ca/research/about/integrity).

### **26.10.4 Guidelines for Research Involving Human Subjects**

Please refer to the guidelines for research involving human subjects available at: [www.mcgill.ca/research/researchers/compliance/human](http://www.mcgill.ca/research/researchers/compliance/human).

### **26.10.5 Guidelines for Research with Animal Subjects**

Please refer to the guidelines for research involving animal subjects available at: [www.mcgill.ca/research/researchers/compliance/animal](http://www.mcgill.ca/research/researchers/compliance/animal).

### **26.10.6 Policy on Intellectual Property**

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

### **26.10.7 Regulations Governing Conflicts of Interest**

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

### **26.10.8 Safety in Field Work**

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

### **26.10.9 Office of Sponsored Research**

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

### **26.10.10 Postdocs**

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

### **26.10.11 Research Associates**

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. ([www.mcgill.ca/apo/classifications/other/research-associate](http://www.mcgill.ca/apo/classifications/other/research-associate))

---

## **26.11 Academic Programs**

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

### **26.11.1 Schulich School of Music**

#### **26.11.1.1 Location**

Schulich School of Music  
Strathcona Music Building  
555 Sherbrooke Street West  
Montreal, QC H3A 1E3  
Canada



***section 26.11.1.7: Master of Arts (M.A.); Music — Music Technology (Thesis) (45 credits)***

storage, measuring devices including several motion-capture systems), The Digital Composition Studio, and state-of-the-art recording and acoustic environments, as well as opportunities to collaborate with accomplished performers and researchers in other music disciplines. Graduates hold commercial positions related to media technologies (e.g., gaming and audio industries) and continue their studies at the doctoral level in preparation for academic careers.

***section 26.11.1.8: Master of Arts (M.A.); Music — Musicology (Thesis) (45 credits)***

This program is for students interested in developing research projects that bridge traditional methodologies with new critical approaches in musicology. The area'

***section 26.11.1.13: Master of Arts (M.A.); Music — Music Education (Non-Thesis) (45 credits)***

***section 26.11.1.14: Master of Arts (M.A.); Music — Musicology (Non-Thesis) (45 credits) and***

***section 26.11.1.15: Master of Arts (M.A.); Music — Theory (Non-Thesis) (45 credits)***

The Option in Music Education provides an opportunity for studio-, classroom-, and community-based music educators to read, understand, and apply research studies in different fields to their own practices.

The Option in Musicology is for students interested in a humanistic orientation to topics in music history and musicology that bridges traditional methodologies with new critical approaches.

The Option in Theory develops skill with different analytical models and the ways in which they may be used to explore how specific pieces of music are put together.

Some graduates continue to doctoral studies; others pursue careers in teaching, arts management, music business, journalism, and librarianship, among others.

***section 26.11.1.16: Master of Music (M.Mus.); Performance: Vocal Pedagogy (Thesis) (47 credits)***

The Master of Music: Vocal Pedagogy is not being offered in the 2011-2012 academic year.

***section 26.11.1.17: Master of Music (M.Mus.); Performance: Jazz Performance (Thesis) (45 credits)***

The M.Mus. in Jazz Performance is flexibly designed to offer specialization in Jazz Composition, Jazz Performance, and Jazz Orchestra training. All students take courses in jazz pedagogy, composition, and arranging, and benefit from close interaction with a diverse, creative, and professionally active faculty.

*section 26.11.1.21: Master of Music (M.Mus.); Performance: Piano (Thesis) (45 credits)*

The M.Mus in Piano develops artistic expression and interpretative skills by immersing the advanced pianist in a vibrant musical environment that blends performance training with humanities-based scholarship. The flexibly designed program revolves around an integrated piano seminar involving all studios and includes collaborative opportunities in instrumental, vocal, and contemporary music performance at a high level, piano pedagogy, and performance practice through fortepiano/harpsichord study as options. Recital options include solo and chamber music performance, sound recording, and interdisciplinary





### Prerequisite Undergraduate Courses for M.Mus. – Sound Recording

MUCO 260 Instruments of the Orchestra  
MUMT 202 Fundamentals of New Media  
MUMT 203 Introduction to Digital Audio  
MUSR 232 Introduction to Electronics  
MUSR 300D1/MUSR 300D2 Introduction to Music Recording  
MUSR 339 Introduction to Electroacoustics

One of (complementary):

MUMT 302 New Music Production 1  
MUMT 306 Music and Audio Computing 1

Faculty of Science:

PHYS 224 Physics of Music  
PHYS 225 Musical Acoustics

### Prerequisite Undergraduate Courses for M.Mus. – Performance

Applicants to the performance program are expected to have a background in Music Theory equivalent to the B.Mus. in Performance. Applicants found to be deficient in their background preparation may be required to take certain additional music theory undergraduate courses.

#### Vocal Pedagogy

*This program is not being offered in 2011-2012. Please contact the School for more information.*

MUPD 560 Intro to Research Methods in Music  
MUPG 210 Italian Diction  
MUPG 211 French Diction  
MUPG 212 English Diction  
MUPG 213 German Diction

Two of:

MUHL 372 Solo Song outside Germany and Austria  
MUHL 377 Baroque Opera  
MUHL 387 Opera from Mozart to Puccini  
MUHL 388 Twentieth-Century Opera  
MUHL 390 The German Lied

#### Jazz Performance

MUHL 393 History of Jazz  
MUJZ 440D1/MUJZ 440D2 Advanced Jazz Composition  
MUJZ 461D1/MUJZ 461D2 Advanced Jazz Arranging  
MUJZ 493 Jazz Performance Practice

#### Early Music

MUPD 560 (1) Intro to Research Methods in Music

3 credits from the following:

**Prerequisite Undergraduate Courses for M.Mus. – Performance**

Pianoforte (3 credits):

MUHL 366 (3)



2. two official copies of transcripts, sent directly by the registrars of all universities attended (if documents are written in a language other than English or French, please submit an official certified translation in addition to the original documents);
3. two signed original letters of reference, on official letterhead; emailed letters are also accepted; for guidelines, please consult the following website:  
[www.mcgill.ca/music/future-students/graduate/entr](http://www.mcgill.ca/music/future-students/graduate/entr)



**Assistant Professors**

James Box; B.M.(Southern Methodist U.), M.M.(Cleveland Inst. Music), Principal Trombone, Montreal Symphony

Isabelle Cossette; Premier Prix(Cons. de Québec), M.Mus.(McG.), D.Mus.(Montr.)

Robert Crowley; B.M.(Eastman), M.M.(Cleveland); Principal Clarinet, Montreal Symphony

René Daley; B.Mus.(Lawrence), M.A., M.Mus.(Mannes), Ph.D.(Mich.)

Russell DeVuyst; B.Mus.Ed.(Boston Cons.), M.M.(New England Cons.), Associate Principal Trumpet, Montreal Symphony

Elizabeth Dolin; B.Mus.(Tor.), Artist Dip.(Ind.)

Andrew Dunn; P.G.Dip.(GSMD), M.A.(TVV), P.C.R.A.M., L.R.A.M.

Mark Fewer; B.Mus.(Tor.)

Jean Gaudreault; LL.L.(Montr.), Graduate, Cons. de Québec, Montreal Symphony

Chris Harman

Aiyun Huang; B.A.(Tor.), D.M.A.(Calif.-San Diego)

Valerie Kinslow; B.A.(McG.)

Roe-Min Kok; B.Mus.(Texas), M.A.(Duke), Ph.D.(Harv.)

Joanne Kolomyjec; B.Mus.(Tor.)

Jean Lesage; Concours, Diplôme d'études supérieures(Cons. de Montréal)

Stéphane Lévesque; Premier Prix(Cons. de Montréal), M.Mus.(Yale), Principal Bassoon, Montreal Symphony

Denise Lupien; B.M., M.M.(Juilliard), Concertmaster, Orchestre Métropolitain

Fabrice Marandola; Premier Prix (Cons. de Paris), M.Mus., Ph.D.(Sorbonne) (*Visiting*)

René Quesnel; B.Mus., M.Mus., Ph.D.(McG.)

Richard Roberts; B.Mus.(Ind.), Concertmaster, Montreal Symphony

Brian Robinson; B.Mus.(Tor.), Montreal Symphony

Jennifer Swartz; Dip.(Curtis), Principal Harp, Montreal Symphony

Sanford Sylvan; B.Mus.(Manhattan School of Music)

Jonathan Wild; B.Mus., M.A.(McG), Ph.D.(Harv.)

**Adjunct Professors**

Soren Bech; M.Sc., Ph.D.(Tech. Univ. of Denmark)

Durand Begault; B.A.(Calif.-Santa Cruz), M.F.A.(Mills Coll., Calif.), Ph.D.(Calif.-San Diego)

Jonas Braasch; Ph.D.(Ruhr-Univ. Bochum)

Steven Epstein; B.S.(Hofstra)

Kenneth Gilbert; D.Mus.honoris causa(McG.), O.C., F.R.S.C., Hon. RAM

Lars T. Lih; B.A.(Yale), B.Phil.(Oxf.), Ph.D.(Princ.)

William Martens; B.A.(Miami), Ph.D.(N<sup>w</sup>estern)

Jean-Paul Montagnier; B.A., M.A.(Lyon), Ph.D.(Duke)

Axel Mulder; Drs.(Rijks Universiteit Groningen), Ph.D.(S. Fraser)

Samuel Pearlman; B.A.(Stony Brook)

John Roston; B.A., M.A.(McG.)

Daniel Taylor; L.Mus.(McG.), M.Mus.(Montr.)

Marc-Pierre Verge; B.A., M.Sc.(Laval), Ph.D.(Eindhoven)

Herbert Waltl

## Faculty Lecturer

Lisa Lorenzino; B.Mus.(Tor.), B.Ed.(Sask.), M.A.(McG.), Ph.D.(Alta.)

### 26.11.1.5 Master of Music (M.Mus.); Music — Composition (Thesis) (45 credits)

#### Thesis Courses (27 credits)

The thesis is a composition, accompanied by an analytical essay of approximately 20-30 pages.

MUGS 684	(6)	Master's Thesis Research 2
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

#### Required Courses (6 credits)

MUCO 622D1	(3)	Composition Tutorial
MUCO 622D2	(3)	Composition Tutorial

#### Complementary Courses (6 credits)

6 credits selected from the following courses:

MUCO 631	(3)	Seminar in Composition 1
MUCO 632	(3)	Seminar in Composition 2
MUCO 633	(3)	Seminar in Composition 3
MUCO 634	(3)	Seminar in Composition 4
MUCO 635	(3)	Seminar in Composition 5
MUCO 636	(3)	Seminar in Composition 6

#### Elective Courses (6 credits)

6 credits of graduate seminars, at the 500, 600, or 700 level, approved by the Department.

### 26.11.1.6 Master of Arts (M.A.); Music — Music Education (Thesis) (45 credits)

#### Thesis Courses (30 credits)

The candidate will undertake supervised research leading to a thesis that will be an in-depth investigation in some specialized field of music education.

MUGS 683	(3)	Master's Thesis Research 1
MUGS 684	(6)	Master's Thesis Research 2

~~MUGS Education The 300 600 Music Education 400 600 Res research leader's~~

~~M250.932 209.725 Tm(Thesis Research 4)Tjf5 Mas(eMUGS 68 Research 4 221.al~~

**26.11.1.7 Master of Arts (M.A.); Music — Music Technology (Thesis) (45 credits)**

**Thesis Courses (30 credits)**

The candidate will undertake supervised research leading to a thesis that will utilize or investigate an aspect of musical science and technology.

MUGS 683	(3)	Master's Thesis Research 1
MUGS 684	(6)	Master's Thesis Research 2
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

**Complementary Courses (15 credits)**



**Thesis Courses (27 credits)**

MUGS 684	(6)	Master's Thesis Research 2
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

**Required Courses (6 credits)**

MUHL 529	(3)	Proseminar in Musicology
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (12 credits)**

9 credits of graduate seminars at the 500, 600, or 700 level, approved by the Department. Normally, 6 credits will be seminars in Musicology selected from the following:

MUHL 680	(3)	Seminar in Musicology 1
MUHL 681	(3)	Seminar in Musicology 2
MUHL 682	(3)	Seminar in Musicology 3
MUHL 683	(3)	Seminar in Musicology 4
MUHL 684	(3)	Seminar in Musicology 5
MUHL 685	(3)	Seminar in Musicology 6
MUHL 692	(3)	Seminar in Music Literature 1
MUHL 693	(3)	Seminar in Music Literature 2



**Complementary Courses (15 credits)**

9 credits of graduate seminars at the 500, 600, or 700 level, approved by the Department, selected from the following:

MUTH 652	(3)	Seminar in Music Theory 1
MUTH 653	(3)	Seminar in Music Theory 2
MUTH 654	(3)	Seminar in Music Theory 3
MUTH 655	(3)	Seminar in Music Theory 4
MUTH 656	(3)	Seminar in Music Theory 5
MUTH 657	(3)	Seminar in Music Theory 6

3 credits selected from the following:

MUTH 658	(3)	History of Music Theory 1
MUTH 659	(3)	History of Music Theory 2

3 credits of:

WMST 602	(3)	Feminist Research Symposium
----------	-----	-----------------------------

or 3 credits of graduate seminar at the 500, 600, or 700 level, on gender/women's issues, may be selected from within or outside the Department. The selection must be approved by the Department.

**Master of Arts (M.A.): Music —**



One of the following:

MUIN 600	(2)	Vocal Repertoire Coaching 1
MUIN 601	(2)	Vocal Repertoire Coaching 2

All courses at the 600 level with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, and MUTH, and MUHL 591D1/D2 Paleography have been approved as electives for M.Mus. students in Performance.

**26.11.17 Master of Music (M.Mus.); Performance: Jazz Performance (Thesis) (45 credits)**

Saxophone, Trumpet, Trombone, Drums, Piano, Guitar, Bass, Voice

**Required Courses (12 credits)**

MUJZ 601	(3)	Jazz Pedagogy
MUPG 626	()	
MUPG 627	()	
MUPG 628	()	

**Complementary Courses (22 credits)**

22 credits from one of the following options, A, B, or C:

**Option A - Jazz Performance**

MUJZ 640	(2)	Jazz Composition & Arranging 1
MUJZ 641	(2)	Jazz Composition & Arranging 2
MUPG 651	(9)	Performance/Composition Recital Project
MUPG 659	(9)	Performance in Recording Media

**Option B - Jazz Composition and Arranging**

MUJZ 640	(2)	Jazz Composition & Arranging 1
MUJZ 641	(2)	Jazz Composition & Arranging 2
MUPG 652	(9)	Jazz Ensemble Recital Project
MUPG 659	(9)	Performance in Recording Media

**Option C - Jazz Orchestra**

4 credits from:

MUJZ 640	(2)	Jazz Composition & Arranging 1
MUJZ 641	(2)	Jazz Composition & Arranging 2
MUJZ 644	(2)	Jazz Repertoire Project 1
MUJZ 645	(2)	Jazz Repertoire Project 2

and 18 credits from:

MUPG 651	(9)	Performance/Composition Recital Project
MUPG 652	(9)	Jazz Ensemble Recital Project

**Elective Courses (11 credits)**

5 credits of ensemble courses with the prefix MUEN (4 credits must be in JAZZ related ensembles)

6 credits from one of the following options, A, B, or C:

**Option A - Jazz Performance**

One 3-credit graduate seminar at the 600 level approved by the Department.

And

Three (3) credits of ensemble courses with the prefix MUEN.

**Option B - Jazz Composition and Arranging:**

Two 3-credit graduate seminars at the 600 level approved by the Department.

**Option C - Jazz Orchestral:**

One 3-credit graduate seminar at the 600 level approved by the Department.

And

3 credits of ensemble courses with the prefix MUEN.

**26.11.18 Master of Music (M.Mus.); Performance: Early Music (Thesis) (45 credits)**

Voice, Baroque Flute, Recorder, Baroque Oboe, Baroque Bassoon, Baroque Violin, Baroque Viola, Baroque Cello, Early Music Clarinet, Viola da Gamba, Organ, Harpsichord, Lute, Early Brass, Fortepiano

**Thesis Performance (27 credits)**

18 credits:

MUGS 605	(0)	Graduate Performance Colloquium
MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622	(3)	Performance Tutorial 3
MUPG 600*	(9)	Recital Project 1

\* Solo Recital only

9 credits from:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 604	(6)	Chamber Music Recital
MUPG 605	(3)	Recording Project
MUPG 606**	(3)	Interdisciplinary Project 1
MUPG 607**	(6)	Interdisciplinary Project 2
MUPG 614*	(3)	Quick Study

\* Voice Only

\*\* Students may take either MUPG 606 or MUGP 607

**Complementary Seminars (9 credits)**

3 credits from the following:

MUPG 590*	(3)	Vocal Styles and Conventions
-----------	-----	------------------------------

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUPG 590*	(3)	Vocal Styles and Conventions
MUPG 672D1**	(1.5)	Liturgical Improvisation
MUPG 672D2**	(1.5)	Liturgical Improvisation
MUPG 691	(3)	Vocal Ornamentation
MUTH 602	(3)	Keyboard Modal Counterpoint

\* If not already taken

\*\* Organ only

or one graduate 3-credit seminar approved by the Department.

### **Complementary Performance (9 credits)**

Instruments:

3 terms of:

MUEN 580	(1)	Early Music Ensemble
----------	-----	----------------------

6 credits from (may be taken more than once):

MUEN 572	(2)	Cappella Antica
MUEN 573	(2)	Baroque Orchestra

OR

Voice:

2 credits of:

MUEN 580	(1)	Early Music Ensemble
----------	-----	----------------------

3 credits:

MUIN 610	(1)	Vocal Coaching 1
MUIN 611	(1)	Vocal Coaching 2
MUIN 612	(1)	Vocal Coaching 3

4 credits from (may be taken more than once):







3 credits from (may be taken more than once unless otherwise indicated):

MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 568	(1)	Multiple Ensemble 1
MUEN 571	(1)	Contemporary Improvisation Ensemble

MUEN 571 may only be taken once.

OR

Guitar:

Three terms of:

MUEN 562	(1)	Guitar Ensemble
----------	-----	-----------------

6 credits from the following:

MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 568	(1)	Multiple Ensemble 1
MUEN 571	(1)	Contemporary Improvisation Ensemble
MUPG 666	(3)	Fretboard Guitar Project
MUPG 669	(3)	Guitar Pedagogy Project

One 3-credit seminar at the 500 or 600 level with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

MUEN 560, MUEN 561 and MUEN 568 may be taken more than once.

### **26.11.1.20 Master of Music (M.Mus.); Performance: Collaborative Piano (Thesis) (45 credits)**

#### **Thesis Performance (27 credits)**

18 credits:

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622	(3)	Performance Tutorial 3
MUPG 600*	(9)	Recital Project 1
MUPG 653*	(9)	Opera Coach Project

\* Students may take MUPG 653 or MUPG 600.

9 credits from the following:

MUPG 601*	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 605	(3)	Recording Project
MUPG 606	(3)	Interdisciplinary Project 1
MUPG 614	(3)	Quick Study
MUPG 653*	(9)	Opera Coach Project
MUPG 654	(6)	Opera Coach Performance

\* Students may take either MUPG 653 (if not already taken) or MUPG 601 (if MUPG 600 not already taken).

**Required Courses (3 credits)**

MUGS 605	(0)	Graduate Performance Colloquium
MUPG 687	(1)	Collaborative Piano Repertoire 1: Song
MUPG 688	(1)	Collaborative Piano Repertoire 2: Instrumental
MUPG 689	(1)	Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio

**Complementary Seminars (9 credits)**

3 credits from the following:

MUPG 590	(3)	Vocal Styles and Conventions
MUPG 691	(3)	Vocal Ornamentation
MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

One additional graduate 3-credit seminar approv

**Complementary Performance (6 credits)**

Two terms of:

MUEN 584	(1)	Studio Accompanying
----------	-----	---------------------

4 credits from the following (may be repeated unless otherwise noted):

MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 579	(1)	Song Interpretation 2
MUEN 580	(1)	Early Music Ensemble
MUEN 584	(1)	Studio Accompanying
MUEN 585	(1)	Sonata Masterclass
MUEN 596	(2)	Opera Repetiteur
MUPG 670*	(2)	Advanced Continuo 1
MUPG 671*	(2)	Advanced Continuo 2

\* MUPG 670 and MUPG 671 may not be repeated.

MUIN 621	(3)	Performance Tutorial 2
MUIN 622	(3)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

9 credits from the following:

MUPG 601*	(9)	Recital Project 2
MUPG 602*	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 604	(6)	Chamber Music Recital
MUPG 605	(3)	Recording Project
MUPG 606**	(3)	Interdisciplinary Project 1
MUPG 607**	(6)	Interdisciplinary Project 2

\* Students may take either MUPG 601 or MUPG 602 but not both.

\*\* Students may take either MUPG 606 or MUPG 607 but not both.

### Required Courses (3 credits)

MUGS 605	(0)	Graduate Performance Colloquium
MUPG 683	(1.5)	Piano Seminar 1
MUPG 684	(1.5)	Piano Seminar 2

If MUPG 541 and MUPG 542 were taken during the undergraduate degree, MUPG 683 and MUPG 684 may be replaced with one 3-credit graduate seminar or 3 complementary performance credits.

### Complementary Seminars (9 credits)

One of the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

One additional graduate 3-credit seminar approved by the Department.

### Complementary Performance (6 credits)

6 credits from the following:

MUEN 571	(1)	Contemporary Improvisation Ensemble
MUPD 580	(2)	Piano Pedagogy Practicum
MUPG 614	(3)	Quick Study
MUPG 646	(1)	Score- and Sight-Reading 1
MUPG 647	(1)	Score- and Sight-Reading 2
MUPG 670	(2)	Advanced Continuo 1

MUPG 671	(2)	Advanced Continuo 2
MUPG 687	(1)	Collaborative Piano Repertoire 1: Song
MUPG 688	(1)	Collaborative Piano Repertoire 2: Instrumental
MUPG 689	(1)	Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio

OR

6 credits from the following (courses below may be taken more than once):

MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble

\*\* Featured Opera Role only; by audition

\*\*\* Supporting Opera Role only; by audition

OR

**Voice Thesis Performance (18 credits)**

9 credits:

MUPG 600\* (9) Recital Project 1

\* Solo Recital only.

9 credits from:

MUPG 601\* (9) Recital Project 2  
MUPG 602\*\* (6) Recital Project 3  
MUPG 603 (3) Recital Project 4  
MUPG 605 (3) Recording Project  
MUPG 606 (3) Interdisciplinary Project 1  
MUPG 607 (6) Interdisciplinary Project 2  
MUPG 614 (3) Quick Study

\* Solo Recital or Principal Opera Role; by audition

\*\* Solo Recital or Featured Opera Role; by audition

**Required Courses (3 credits)**

MUGS 605 (0) Graduate Performance Colloquium  
MUIIN 610 (1) Vocal Coaching 1  
MUIIN 611 (1) Vocal Coaching 2  
MUIIN 612 (1) Vocal Coaching 3

**Complementary Seminars (9 credits)**

3 credits from the following:

MUPG 590 (3) Vocal Styles and Conventions  
MUPP 690 (3) Performance Practice Seminar 1  
MUPP 691 (3) Performance Practice Seminar 2  
MUPP 692 (3) Performance Practice Seminar 3  
MUPP 693 (3) Performance Practice Seminar 4  
MUPP 694 (3) Performance Practice Seminar 5  
MUPP 695 (3) Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, MUTH.

3 credits from the following:

MUPG 590 (3) Vocal Styles and Conventions  
MUPG 691 (3) Vocal Ornamentation  
MUPG 692 (3) Vocal Seminar 2  
MUPG 693 (3) Vocal Treatises and Methods

MUPG 694 (3) Vocal Physiology for Singers

MUPG 590 must be selected if not already taken.

**Complementary Performance (6 credits)**

Opera:

Two terms of:

MUEN 696 (2) Opera Theatre

2 credits of:

MUEN 696 (2) Opera Theatre

OR

Two terms of:

MUEN 579 (1) Song Interpretation 2

Voice:

MUPG 607	(6)	Interdisciplinary Project 2
MUPG 676	(9)	Special Project in Church Music

**Required Course**

MUGS 605	(0)	Graduate Performance Colloquium
----------	-----	---------------------------------

**Complementary Seminars (9 credits)**

3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUTH 602	(3)	Keyboard Modal Counterpoint
MUTH 604	(3)	Keyboard Tonal Counterpoint

or one graduate 3-credit seminar approved by the Department.

**Complementary Performance (9 credits)**

9 credits from the following:

MUEN 560*	(1)	Chamber Music Ensemble
MUEN 561*	(1)	2nd Chamber Music Ensemble
MUEN 573*	(2)	Baroque Orchestra
MUEN 580*	(1)	Early Music Ensemble
MUEN 593*	(2)	Choral Ensembles
MUEN 594*	(2)	Contemporary Music Ensemble
MUEN 597*	(2)	Orchestral Ensembles
MUHL 591D1**	(1.5)	Paleography
MUHL 591D2**	(1.5)	Paleography
MUPG 672D1	(1.5)	Liturgical Improvisation
MUPG 672D2	(1.5)	Liturgical Improvisation
MUPG 673	(3)	20th-Century Organ Improvisation
MUPG 674	(3)	Project in Choral Conducting
MUPG 679	(3)	Liturgical Improvisation 2
MUTH 602**	(3)	Keyboard Modal Counterpoint
MUTH 604**	(3)	Keyboard Tonal Counterpoint



\* may be taken more than once.

\*\* if not taken as an additional seminar.

**26.11.1.24 Master of Music (M.Mus.); Performance: Conducting (Thesis) (45 credits)**

Orchestral, Wind Band, and Choral

**Thesis Performance (27 credits)**

18 credits:

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622	(3)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

9 credits from the follo

MUPG 646	(1)	Score- and Sight-Reading 1
MUPG 647	(1)	Score- and Sight-Reading 2

4 credits:

MUPG 580	(2)	Rehearsal Techniques for Conductors 1
MUPG 680	(2)	Rehearsal Techniques for Conductors 2

### **26.11.1.25 Graduate Diploma in Professional Performance (30 credits)**

Two full-time terms of residence are required.

#### **Required Courses (15 credits)**

MUPG 634	(6)	Performance Tutorial 6
MUPG 635	(6)	Performance Tutorial 7
MUPG 640	(3)	Media Project

#### **Complementary Courses (12 credits)**

12 credits from the following:

MUPG 641	(3)	Performance Project 1
MUPG 642	(6)	Performance Project 2
MUPG 643	(6)	Performance Project 3
MUPG 644	(9)	Performance Project 4
MUPG 645	(12)	Performance Project 5

#### **Elective Course (3 credits)**

3 credits of graduate seminar, ensemble, or special project at the 500 or 600 level approved by the Department.

### **26.11.1.26 Doctor of Music (D.Mus.); Music — Composition**

A minimum of two years' residence is required beyond the M.Mus. in Composition, or its equivalent. Details concerning the comprehensive examinations, composition performance, thesis, and academic regulations are available from the Graduate Coordinator, Schulich School of Music or from the Music Graduate Handbook (<http://www.mcgill.ca/music/current-students/graduate/graduate-music-handbook>).

#### **Thesis**

The thesis is a musical composition of major dimensions together with a written analysis of the work. The thesis must be defended in an oral examination.

#### **Required Courses (12 credits)**

MUGS 701	(0)	Comprehensive Examination Part 1
MUGS 702	(0)	Comprehensive Examination Part 2

12 credits (two years) of:

Doctoral Composition T

## Composition Performance

The candidate must present a concert of his/her compositions. With the permission of the Composition Area Committee, the compositions may be presented as parts of two or three concerts, or as a list of national and international performances since the student began his/her residency.

### 26.11.1.27 Doctor of Music (D.Mus.); Music — Performance Studies

A minimum of two years' residence is required beyond the M.Mus. in Performance, or its equivalent.

Details concerning the comprehensive examinations, composition performance, thesis and academic regulations are available from the Graduate Studies Coordinator, Schulich School of Music or from the Music Graduate Handbook (<http://www.mcgill.ca/music/current-students/graduate/graduate-music-handbook>).

## Thesis

### Recitals (36 credits)

MUPG 760	(12)	Doctoral Recital 1
MUPG 767	(12)	Doctoral Recital 2
MUPG 770	(12)	Doctoral Lecture - Recital Project

### Required Courses (32 credits)

24-32 credits

MUGS 701	(0)	Comprehensive Examination Part 1
MUGS 702	(0)	Comprehensive Examination Part 2

Six terms of one hour per week of Performance Tutorials:

MUPG 720	(0)
MUPG 721	(0)
MUPG 722	(0)
MUPG 723	(0)
MUPG 724	(0)
MUPG 725	(0)

OR

four terms of 1.5 hours per week of Performance Tutorials:

MUPG 730	(0)
MUPG 731	(0)
MUPG 732	(0)
MUPG 733	(0)

Voice candidates only: four terms of Vocal Repertoire Coaching:

MUIN 700	(2)	Doctoral Repertoire Coaching 1
MUIN 701	(2)	Doctoral Repertoire Coaching 2
MUIN 702	(2)	Doctoral Repertoire Coaching 3
MUIN 703	(2)	Doctoral Repertoire Coaching 4

### Complementary Courses (12 credits)

Four graduate-level courses (3 credits each), to be chosen from among the Faculty's course offerings in consultation with the advisory committee. Three of the four courses should be in the Department of Music Research; one of the four may be replaced with a supervised special project approved by the advisory committee and the performance graduate sub-committee.

**26.11.1.28 Doctor of Philosophy (Ph.D.); Music — (Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory)**

The Ph.D. requires a minimum of three years of full-time resident study (six full-time terms) beyond a bachelor's degree. A candidate who holds a master's degree in the area of specialization may, on the recommendation of the Department, be permitted to count the work done for the master's degree as the first year of resident study.

Details concerning the comprehensive examinations, thesis, and academic regulations are available from the Graduate Studies Coordinator, Schulich School of Music or from the Music Graduate Handbook (<http://www.mcgill.ca/music/current-students/graduate/graduate-music-handbook>).

**Thesis**

All courses and language requirements and the comprehensive examinations must be successfully completed before the thesis is submitted.

**Language Reading Requirements**

No foreign language reading examinations required in Sound Recording and Music Technology.

One foreign language reading examination required for students in Composition and Music Education.

Two foreign languages required for students in Musicology and Music Theory. Normally, one of these will be German and the other related to the candidate's field of research.

An additional language may be required if considered necessary for the candidate's research.

Students whose mother tongue is French are exempt from the French Language Reading examination.

Note: The language reading examinations must be passed before a candidate will be permitted to sit the comprehensive examinations.

**Required Courses**

MUGS 701	(0)	Comprehensive Examination Part 1
MUGS 702	(0)	Comprehensive Examination Part 2

**Complementary Cour**

The candidate must present a concert of his/her compositions. With the permission of the Composition Area Committee, the compositions may be presented as parts of two or three concerts, or as a list of national and international performances since the student began his/her residency.

### **26.11.1.29 Doctor of Philosophy (Ph.D.); Music — Gender and Women's Studies**

#### **Thesis**

All courses and language requirements and the comprehensive examinations must be successfully completed before the thesis is submitted.

#### **Language Reading Requirements**

In two foreign languages (one foreign language for students in composition, music education; none required for students in sound recording and music technology).

Normally, one of these will be German and the other related to the candidate's field of research.

A third language may be required if considered necessary for the candidate's research.

Students whose mother tongue is French are exempt from the French Language Reading examination.

Note: The language reading examinations must be passed before a candidate will be permitted to sit the comprehensive examinations.

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

WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

#### **Comprehensive examination**

MUGS 701	(0)	Comprehensive Examination Part 1
MUGS 702	(0)	Comprehensive Examination Part 2

#### **Doctoral Colloquium**

Note: Required attendance and at least one presentation of their thesis research in the Colloquium during the course of their doctoral studies is required.

MUGS 705	(0)	Colloquium
----------	-----	------------

#### **Complementary Courses (12-27 credits)**

27 credits of graduate courses at the 500, 600, or 700 level approved by the Department (3 of the 27 credits must be on gender/women's studies, taken in the Department or outside and approved by the Department).

Applicants who have completed an M.A. degree in music (or equivalent) before entering the Ph.D. program will be required to complete at least 12 credits of courses at the 500, 600, or 700 level approved by the Department beyond the M.A. requirements (3 of the 12 credits must be on gender/women's studies, taken in the Department or outside and approved by the Department).

---

## **27 Faculty of Science**

---

### **27.1 Dean's Welcome**

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing  
wx39 .fei 70b 0 10 096nic disciica(461rforoctor 700 le)Tj1143. 1 ic disciica(gf treme oship. )Torts of twxw.56 Tm(cforb0 dod3 Tm(UnteompoF22 Tm(v)Tj500 019 16

students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. 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*

---

## 27.2 Graduate and Postdoctoral Studies

### 27.2.1 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 Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)

**Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)**

Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.

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

Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)

**Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)**

Shari Baum; B.A.(C'neil), M.Sc.(Vermont), Ph.D.(Brown)

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

Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)

**Director (Graduate and Postdoctoral Affairs)**

Lissa B. Matyas; B.F.A., M.Sc.(C'odia)

**Director (Recruitment and Retention)**

### 27.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5

Telephone: 514-398-3990

Fax: 514-398-1626

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

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



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

### 27.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

---

## 27.3 Important Dates 2011-2012

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

---

## 27.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

## **Agricultural and Environmental Sciences**

*section 14.11.1: Agricultural Economics*

*section 14.11.2: Animal Science*

*section 14.11.3: Bioresource Engineering*

*section 14.11.4: Dietetics and Human Nutrition*

*section 14.11.5: Food Science and Agricultural Chemistry*

*section 14.11.6: Natural Resource Sciences*

*section 14.11.7: Parasitology*

*section 14.11.8: Plant Science*

## **Arts**

*section 15.11.1: Anthropology*

*section 15.11.2: Art History*

Classics, see *section 15.11.12: History and Classical Studies*

*section 15.11.4: Communication Studies*

*section 15.11.5: East Asian Studies*

*section 15.11.6: Economics*

*section 15.11.7: English*

*section 15.11.8: French Language and Literature*

*section 15.11.9: Geography*

*section 15.11.10: German Studies*

*section 15.11.11: Hispanic Studies*

*section 15.11.12: History and Classical Studies*

*section 15.11.13: Institute for the Study of International Development*

*section 15.11.14: Islamic Studies*

*section 15.11.15: Italian Studies*

*section 15.11.16: Jewish Studies*

*section 15.11.17: Linguistics*

*section 15.11.18: Mathematics and Statistics*

*section 15.11.19: Philosophy*

*section 15.11.20: Political Science*

*section 15.11.21: Psychology*

*section 15.11.23: Russian and Slavic Studies*

*section 15.11.24*

**Education**

*section 18.11.1: Educational and Counselling Psychology*

*section 18.11.2: Information Studies*

*section 18.11.3: Integrated Studies in Education*

*section 18.11.4: Kinesiology and Physical Education*

**Engineering**

*section 19.11.1: Architecture*

*section 19.11.2: Chemical Engineering*

*section 19.11.3*



**Religious Studies***section 25.11.1: Religious Studies***Schulich School of Music***section 26.11.1: Schulich School of Music***Science***section 27.11.1: Atmospheric and Oceanic Sciences**section 27.11.2: Biology**section 27.11.3: Chemistry**section 27.11.4: Computer Science**section 27.11.5: Earth and Planetary Sciences**section 15.11.9: Geography**section 15.11.18: Mathematics and Statistics**section 27.11.8: Physics**section 15.11.21: Psychology***27.4.1 Graduate Diplomas and Certificates**

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

**Graduate Diplomas are offered in:**

Clinical Research (Experimental Medicine)	Primary Care Nurse Practitioner
Epidemiology and Biostatistics	Professional Performance
Islamic Studies	Public Accountancy (C.A.)
Library and Information Studies	Registered Dietician Credentialing (R.D.)
Mining Engineering	School and Applied Child Psychology (post-Ph.D.)
Nursing	Surgical Health Care Research

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

**Graduate Certificates are offered in:**

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

All graduate regulations apply to graduate diploma and certificate candidates.

**27.4.2 Master's Degrees**

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

**The following master's degrees are offered (*see below for more information about sub-specializations*):**

**Prerequisites:**

Master of Architecture (M.Arch)

M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.

Bachelor of

French (Thesis and Non-Thesis); option in Gender and Women's Studies  
Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics  
German Studies (Thesis and Non-Thesis)  
Hispanic Studies (Thesis and Non-Thesis)  
History (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Thesis and Non-Thesis), History of Medicine (Non-Thesis)  
Islamic Studies; option in Gender and Women's Studies  
Italian Studies (Thesis and Non-Thesis)  
Jewish Studies (Thesis and Non-Thesis)  
Kinesiology and Physical Education (Thesis and Non-Thesis)  
Linguistics (Non-Thesis)  
Mathematics and Statistics (Thesis and Non-Thesis)  
Music (Thesis and Non-Thesis)  
Philosophy; option in Bioethics  
Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)  
Psychology  
Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies  
Russian  
Sociology (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), Environment, Gender and Women's Studies (Thesis and Non-Thesis), Medical Sociology (Thesis and Non-Thesis), Social Statistics (Non-Thesis), Neotropical Environment

### **Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

- M.B.A. with M.D.,C.M.
- M.B.A. with B.C.L. and LL.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

### **Master's Degrees in Education**

Three types of master's degrees are offered: M.A. (Thesis and Non-Thesis), M.Ed. (Non-Thesis) and M.Sc. (Thesis and Non-Thesis).

The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)

Biomedical Engineering; option in Bioinformatics

Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)

Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)

Electrical Engineering (Thesis and Project); option in Computational Science and Engineering

Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering

Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

**Other degrees:**

Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).

Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery  
Earth and Planetary Sciences; option in Environment  
Entomology; options in Environment, and Neotropical Environment  
Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)  
Food Science and Agricultural Chemistry (Thesis and Non-Thesis)  
Geography; options in Environment, and Neotropical Environment  
Genetic Counselling (Non-Thesis)  
Human Genetics; option in Bioinformatics  
Human Nutrition  
Kinesiology and Physical Education (Thesis and Non-Thesis)  
Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering  
Mechanical Engineering  
Medical Radiation Physics  
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine  
Microbiology and Immunology

### Master of Urban Planning Degree

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

Options: Transportation Planning and Urban Design.

### 27.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

**The following doctoral degrees are offered (see below for more information about sub-specializations):** Prerequisites:

Doctor of Civil Law (D.C.L.)

B.C.L. or LL.B. and usually LL.M. See Law.

Doctor of Music (D.Mus.)

M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.

Doctor of Philosophy (Ph.D.)

An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.

### Doctor of Civil Law Degrees

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research de



- 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



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 “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 marks reported to Graduate and Postdoctoral Studies 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 English and 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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/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/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

## **27.5.3 Ad Hoc Programs**

***In exceptional cases***, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer graduate programs, may be admitted to an *Ad Hoc* program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in *Ad Hoc* Master's and Doctoral Programs”, available from GPS.

## **27.5.4 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 *Ministère de l'Éducation, du Loisir et du Sport* (MELS) to offer its own graduate programs, may be admitted to an *Ad Personam* program. The regulations are fully described in a document available from GPS.

## **27.5.5 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/staff/registration](http://www.mcgill.ca/gps/staff/registration).

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 studies must be approved by GPS before registration. Double counting is not permitted.

---

## 27.6 General Admission for Graduate Studies



**Note:** The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

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

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

**Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.**

### 27.6.1 Application for Admission

Application information and the online application form are available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply). Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent **directly** to the department concerned. Please note

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 submit the scores along with their other admission material.

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 submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see [www.mba.com/mba/thegmat](http://www.mba.com/mba/thegmat).

### 27.6.4 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.
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 mark 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.
- 6.6.

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 pr**



## **2. Registration**

i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. 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

- 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 *General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies*;
- to submit a complete file for registration to Graduate and Postdoctoral Studies;
- 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*

### **27.8.3 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*

### **27.8.4 Leave of Absence for Health and Parental/Familial Reasons**

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see [section 14.9.6: Health and Parental/Familial Leave of Absence Policy](#)).

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





graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

## 2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

**v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.**

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

- iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.
- v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

*Revised by Council of FGSR, April 23, 1999 and October 6, 2003*

### 27.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended [section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision](#) in bold print. Documents to record progress can be found on the GPS website: [www.mcgill.ca/gps/staff/forms](http://www.mcgill.ca/gps/staff/forms).

The following is a summary of the main elements of the new **mandatory** policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees
2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.
3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.
4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.
5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.
6. All forms are to be kept in departmental files.
7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
  - be used **annually**;
  - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
  - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
  - permit the student to submit a minority report and not sign;
  - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

### 27.9.3 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

departmental re

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with **academic integrity** (see [www.mcgill.ca/students/srr/honest](http://www.mcgill.ca/students/srr/honest) for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the *Handbook on Students Rights and Responsibilities* available at [www.mcgill.ca/secretariat/policies/students](http://www.mcgill.ca/secretariat/policies/students)) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

## **Failures**

### **i. Repeats**

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensi



- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

### **27.9.7 Failure Policy**

Please refer to *University Regulations and Resources > Graduate > Regulations > [section 2.14: Failure Policy](#)* for information regarding the policy and procedures to follow in cases of failure.

### **27.9.8 Guideline on Hours of Work**

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

---

## **27.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees* 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.

### **27.10.1 Policy on Research Ethics**

Please refer to the Policy on Research Ethics available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

### **27.10.2 Regulations on Research Policy**

Please refer to the Regulations on Research Policy available at [www.mcgill.ca/secretariat/policies/research](http://www.mcgill.ca/secretariat/policies/research).

### **27.10.3 Policy on Research Integrity**

Please refer to the Policy on Research Integrity available at: [www.mcgill.ca/research/about/integrity](http://www.mcgill.ca/research/about/integrity).

### **27.10.4 Guidelines for Research Involving Human Subjects**

Please refer to the guidelines for research involving human subjects available at: [www.mcgill.ca/research/researchers/compliance/human](http://www.mcgill.ca/research/researchers/compliance/human).

### **27.10.5 Guidelines for Research with Animal Subjects**

Please refer to the guidelines for research involving animal subjects available at: [www.mcgill.ca/research/researchers/compliance/animal](http://www.mcgill.ca/research/researchers/compliance/animal).

### **27.10.6 Policy on Intellectual Property**

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

### **27.10.7 Regulations Governing Conflicts of Interest**

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

### **27.10.8 Safety in Field Work**

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

### **27.10.9 Office of Sponsored Research**

Please refer to the Office of Sponsored Research, available at: [www](http://www)

## 27.10.10 Postdocs

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

## 27.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. ([www.mcgill.ca/apo/classifications/other/research-associate](http://www.mcgill.ca/apo/classifications/other/research-associate))

---

## 27.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

### 27.11.1 Atmospheric and Oceanic Sciences

#### 27.11.1.1 Location

Department of Atmospheric and Oceanic Sciences  
Burnside Hall  
805 Sherbrooke Street West, Room 945  
Montreal, QC H3A 2K6  
Canada

Telephone: 514-398-3764

Fax: 514-398-6115

Email: [gradinfo@meteo.mcgill.ca](mailto:gradinfo@meteo.mcgill.ca)

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

#### 27.11.1.2 About Atmospheric and Oceanic Sciences

The Department of Atmospheric and Oceanic Sciences offers courses and research opportunities in atmospheric sciences and physical oceanography leading to the M.Sc. and Ph.D. degrees. Research programs borrow from fundamental fields such as mathematics, statistics, physics, chemistry, and computing to address a broad range of topics relating to weather and climate. Examples include atmospheric chemistry, climate dynamics, cloud and precipitation physics, dynamical oceanography and meteorology, geophysical turbulence, numerical modelling, numerical weather prediction, ocean carbon budgets, and sea ice dynamics, as well as synoptic, mesoscale, and radar and satellite meteorology.

Some faculty members have close ties with other departments, schools, and centres, including the Chemistry and Mathematics and Statistics departments, the McGill School of the Environment, the Global Environmental and Climate Change Centre (GEC3), ArcticNet, and Quebec Ocean. Facilities include the J. Stewart Marshall Radar Observatory, as well as state-of-the-art field and laboratory equipment for atmospheric chemistry. Graduate students have access to computers, ranging from desktop PCs to the massive parallel machines available to us through CLUMEQ and Compute Canada, and the IBM supercomputer at Environment Canada. In some cases, M.Sc. and Ph.D. research may include a field component. Most students also participate in national and international conferences.

Financial assistance in the form of research stipends and teaching assistantships is available for all qualified graduate students.

#### *section 27.11.1.5: Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) (45 credits)*

Our program applies mathematics, physics, computing, and sometimes chemistry to study the atmosphere and/or oceans. The ideal student would therefore have a strong quantitative background in one or more of these fields. Although some of our students have undergraduate knowledge of meteorology or physical oceanography

*section 27.11.1.6: Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) — Environment (45 credits)*

Students following the Environment option must first be accepted by the Department of Atmospheric and Oceanic Sciences, and then by the McGill School of Environment (MSE) before an offer of admission will be made by the University. Environment option students require either a single supervisor with a joint appointment in Atmospheric and Oceanic Sciences and the MSE, or co-supervisors, one each in Atmospheric and Oceanic and the MSE.

*section 27.11.1.7: Doctor of Philosophy (Ph.D.); Atmospheric and Oceanic Sciences*

Our program applies mathematics, physics, computing, and sometimes chemistry to study the atmosphere and or oceans. The ideal student would therefore have a strong quantitative background in one or more of these fields. Although some of our students have undergraduate knowledge of meteorology of physical oceanography, such background is not necessary to succeed in the program. McGill offers the only program in Canada which includes both atmospheric and oceanic sciences. Students benefit from a large professor to student ratio, access to state-of-the-art computing, remote sensing, and atmospheric chemistry laboratory equipment. The Department also has close ties with Environment Canada's numerical weather prediction centre in Dorval, Quebec. Students who do not choose to continue in academia find employment in a variety of areas and places, for example, working with Environment Canada as research associates or weather forecasters.

**27.11.1.3 Atmospheric and Oceanic Sciences Admission Requirements and Application Procedures**





Or other courses at the 500 level or higher recommended by the department's Graduate Program Director.

Students with a strong background in atmospheric or oceanic science, or a Diploma in Meteorology, will take at least the 7 credit minimum. Students with no previous background in atmospheric or oceanic science must take the 20 credit maximum.

#### **27.11.1.6 Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) — Environment (45 credits)**

##### **Thesis Courses (24 credits)**

ATOC 691	(3)	Master's Thesis Literature Review
ATOC 692	(6)	Master's Thesis Research 1
ATOC 694	(3)	Master's Thesis Progress Report and Seminar
ATOC 699	(12)	Master's Thesis

Students registered in M.Sc. programs are expected to regularly attend both the student seminar series (ATOC 751D1/D2 or ATOC 752D1/D2) and the Department seminar series during the entire period of their enrolment in the program.

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

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

##### **Complementary Courses (15 credits)**

12 credits of Departmental courses chosen from the following:

ATOC 512	(3)	Atmospheric and Oceanic Dynamics
ATOC 513	(3)	Waves and Stability
ATOC 515	(3)	Turbulence in Atmosphere and Oceans
ATOC 521	(3)	Cloud Physics
ATOC 525	(3)	Atmospheric Radiation
ATOC 530	(3)	Paleoclimate Dynamics
ATOC 531	(3)	Dynamics of Current Climates
ATOC 540	(3)	Synoptic Meteorology 1
ATOC 541	(3)	Synoptic Meteorology 2
ATOC 568	(3)	Ocean Physics
ATOC 619*	(3)	Advanced Atmospheric Chemistry
ATOC 626	(3)	Atmospheric/Oceanic Remote Sensing
ATOC 646	(3)	Mesoscale Meteorology
ATOC 666	(3)	Topics In Ocean Circulation
CHEM 619*	(3)	Advanced Atmospheric Chemistry

or another course at the 500 lev



minimal and typically completed within the first year. Students present their own work annually in a formal seminar, and regularly attend other seminar series and journal clubs, in order to round out their scientific training.

In addition to working with world-class researchers, graduate students in Biology have access to top-notch research infrastructure. The recently renovated Stewart Biology Building and the newly constructed Bellini Life Sciences Complex are equipped with state of the art equipment and facilities for sophisticated imaging, robotic, and genetic techniques, to name a few. These in-house capabilities are complemented by a wide range of field research facilities, which include the Gault Nature Reserve at Mont St. Hilaire (Québec), the Morgan Arboretum (Québec), the Huntsman Marine Science Centre (New Brunswick), the Subarctic Research Laboratory (Québec), the Bellairs Research Institute (Barbados), the Smithsonian Tropical Research Institute (Panama), and the limnology research station at the Wilder and Helen Penfield Nature Reserve on Lake Memphremagog (Québec). These resources are also extended by affiliation with other organizations such as the Redpath Museum, the Biotechnology Research Institute of the National Research Council of Canada, the *Groupe Interuniversitaire de Recherches Océanographiques du Québec* (GIROQ), the McGill Macdonald campus, the Montreal Neurological Institute, the Jewish General Hospital, the Montreal General Hospital, Montreal Children's, and Royal Victoria Hospitals.

The Department specifies a minimum level of support for all graduate students. This amount is \$15,500 per annum plus tuition fees. The required minimum duration of support is two years for the M.Sc. program, five years for a Ph.D. student entering as Ph.D. 1 (from a bachelor's) and four years for a Ph.D. student entering as Ph.D. 2.

The graduate program of each student is established and regularly evaluated by a three-member supervisory committee appointed by the Graduate Training Committee and chaired by the student's thesis supervisor.

#### ***section 27.11.2.5: Master of Science (M.Sc.); Biology (Thesis) (45 credits)***

The typical graduate student in this program has a strong background knowledge in cell and molecular biology, biochemistry, organismal biology, ecology, developmental biology, and statistics, often with special strengths in the area of proposed study. Given the continuing trend toward interdisciplinary work, the program also accepts some students with a high scholastic standing who have completed a program in fields other than biology (medicine, engineering, chemistry, physics, etc.). Admission is based on an evaluation by the applicant's potential supervisor, who is the faculty member who will provide supervision and financial support for the student's research, and by the Biology Graduate Training Committee. Prospective graduate students are encouraged to contact faculty members with whom they wish to study before applying for admission.

Alumni have gone on to pursue a wide range of careers. Many go on to pursue postdoctoral research and later assume faculty positions, while others work as researchers in industry, wildlife biologists, forensic technologists, or science policy advisers, to name a few.

#### ***section 27.11.2.6: Master of Science (M.Sc.); Biology (Thesis) — Environment (48 credits)***

The Environment graduate option offers students the opportunity to pursue environment-focused graduate research in the context of a range of different fields, including Anthropology, Atmospheric and Oceanic Sciences, Biology, Bioresource Engineering, Earth and Planetary Sciences, Entomology, Epidemiology, Experimental Medicine, Ge58 Tntomology

*section 27.11.2.8: Master of Science (M.Sc.); Biology (Thesis) — Bioinformatics (48 credits)*

the Bioinformatics option. At the M.Sc. level, students successfully completing the Bioinformatics option will be fluent in the concepts, language, approaches, and limitations of the field.

*section 27.11.2.9*

*section 27.11.2.13: Doctor of Philosophy (Ph.D.); Biology — Bioinformatics*

the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases and the use of algorithms and statistics.

The Bioinformatics graduate option consists of a number of interdisciplinary courses, as well as a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field. The typical entering student will be affiliated with one of about fourteen different “home” departments in three different faculties, chosen based on his/her specific field of expertise, and will therefore meet the specific requirements for that department.

## Professors

Gregory G. Brown; B.Sc.(Notre Dame), Ph.D.(CUNY) (*on sabbatical*)

Lauren Chapman; B.Sc.(Alta.), Ph.D.(McG.)

Rajinder S. Dhindsa; B.Sc., M.Sc.(Punj.), Ph.D.(Wash.)

Sie

**Assistant Professors**

Alanna J. W



**Complementary Courses (3 credits)**

3 credits, one of the following courses:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another graduate course at the 500 level or higher recommended by the advisory committee and approved by the Environment Option Committee.

**Master of Science (M.Sc.); Biology (Thesis)**

BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

### 27.11.2.9 Doctor of Philosophy (Ph.D.); Biology

#### Thesis

#### Required Courses (6 credits)

BIOL 700	(0)	Doctoral Qualifying Examination
BIOL 702	(6)	Ph.D. Seminar

#### Complementary Courses (6 credits)

Two 3-credit courses, or equivalent, at the 500, 600, or 700 level in Biology or other departments, and approved by the Supervisory Committee.

### 27.11.2.10 Doctor of Philosophy (Ph.D.); Biology — Developmental Biology

#### Thesis

#### Required Courses (12 credits)

BIOL 520	(3)	Gene Activity in Development
BIOL 532	(3)	Developmental Neurobiology Seminar
BIOL 700	(0)	Doctoral Qualifying Examination
BIOL 702	(6)	Ph.D. Seminar

#### Complementary Course (3 credits)

One course chosen from the following:

BIOL 544	(3)	Genetic Basis of Life Span
BIOL 569	(3)	Developmental Evolution
BIOL 592	(3)	Integrated Bioinformatics
EXMD 607	(3)	Molecular Control of Cell Growth
EXMD 608	(3)	Molecular Embryology
HGEN 692	(3)	Human Genetics
NEUR 605	(3)	Neuroscience Seminar 4

or another graduate course at the 500, 600, or 700 level chosen in consultation with the student's supervisor.

Additional courses may be required if the student's background is deemed insufficient.

### 27.11.2.11 Doctor of Philosophy (Ph.D.); Biology — Environment

#### Thesis

#### Required Courses (12 credits)

BIOL 700	(0)	Doctoral Qualifying Examination
BIOL 702	(6)	Ph.D. Seminar
ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2

ENVR 652

(1)

Environmental Seminar 3

**Complementary Cour**

### **27.11.3 Chemistry**

#### **27.11.3.1 Location**

Department of Chemistry  
Otto Maass Chemistry Building  
801 Sherbrooke Street West  
Montreal, QC H3A 2K6  
Canada

T

## Synthesis - Catalysis

The Synthesis/Catalysis Research Activity Group is a collective to develop the state-of-art catalysts, synthetic methodologies, reaction mechanisms, and synthetic routes for organic chemicals, natural products, and materials. The following are the major research activities at McGill: (1) Development of novel catalysts and catalytic reactions for highly efficient organic synthesis; Green Chemistry. This includes the study and discovery of novel transition-metal catalysts, biological catalysts, nano- and dendrimer-based catalysts for synthetic purposes; new chemical reactivity such as C-H activation, asymmetric catalysis and theory, multi-component reactions and combinatorial chemistry; innovative chemistry in alternative solvents such as water, sub-critical water, ionic liquids, and liquid CO<sub>2</sub>; photocatalytic reactions, reaction mechanisms, and physical organic chemistry; and computational chemistry. (2) Synthesis of biological compounds, organic materials, and natural products. Focus areas are total synthesis of natural products, synthesis of DNA and RNA analogues; synthesis of antiviral and anticancer nucleoside analogues, synthesis of amino acid and peptides; synthesis and study of carbohydrate derivatives; design, synthesis, and study of speciality organic chemical and materials.

*section 27.11.3.5: Master of Science, Applied (M.Sc.A.); Chemistry (Non-Thesis) (45 credits)*

*(Not offered in 2011-2012)*

*section 27.11.3.6: Master of Science (M.Sc.); Chemistry (Thesis) (45 credits)*

Please consult the Department for more information about this program.

*section 27.11.3.7: Master of Science (M.Sc.); Chemistry (Thesis) — Chemical Biology (45 credits)*

*(Not offered in 2011-2012)*

*section 27.11.3.8: Doctor of Philosophy (Ph.D.); Chemistry*

Please consult the Department for more information about this program.

*section 27.11.3.9: Doctor of Philosophy (Ph.D.); Chemistry — Chemical Biology*

*(Not offered in 2011-2012)*

### 27.11.3.3 Chemistry Admission Requirements and Application Procedures

#### 27.11.3.3.1 Admission Requirements

The minimum academic standard for admission to research thesis degree programs is 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. Applicants from other institutions should have an academic background equivalent to that of a McGill graduate in the Chemistry Honours/Major programs. If possible, candidates should specify the field of research in which they are interested.

#### 27.11.3.3.2 Application Procedures

##### Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gr.mcgill.s40n8940/prui091303.32Tmoui.mcgila/gr.mcgillmsgy.mcgilrs](http://www.mcgill.ca/gr.mcgill.s40n8940/prui091303.32Tmoui.mcgila/gr.mcgillmsgy.mcgilrs).





**27.11.3.7 Master of Science (M.Sc.); Chemistry (Thesis) — Chemical Biology (45 credits)**

(Not offered in 2011-2012)

**Thesis Courses (24 credits)**

(minimum 24 credits)

At least 24 credits chosen from the following:

CHEM 691	(3)	M.Sc. Thesis Research 1
CHEM 692	(6)	M.Sc. Thesis Research 2
CHEM 693	(9)	M.Sc. Thesis Research 3
CHEM 694	(12)	M.Sc. Thesis Research 4
CHEM 695	(15)	M.Sc. Thesis Research 5
CHEM 696	(6)	M.Sc. Thesis Research 6
CHEM 697	(9)	M.Sc. Thesis Research 7
CHEM 698	(12)	M.Sc. Thesis Research 8

**Required Courses (5 credits)**

CHEM 650	(1)	Seminars in Chemistry 1
CHEM 651	(1)	Seminars in Chemistry 2
CHEM 688	(3)	Assessment

**Complementary Courses (11 credits)**

(minimum 11 credits)

2 credits, two of the following courses:

BIOC 610	(1)	Seminars in Chemical Biology 1
BIOC 611	(1)	Seminars in Chemical Biology 3
BIOC 689	(1)	Seminars in Chemical Biology 2
BIOC 690	(1)	Seminars in Chemical Biology 4

Students will take at least three courses from the following list, including at least 3 credits from the first two courses listed below:

Note: Students can take either CHEM 503 or PHAR 503, CHEM 504 or PHAR 504.

BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
CHEM 502	(3)	Advanced Bio-Organic Chemistry
CHEM 503	(3)	Drug Design and Development 1
CHEM 504	(3)	Drug Design and Development 2
CHEM 514	(3)	Biophysical Chemistry
CHEM 522	(3)	Stereochemistry
CHEM 591	(3)	Bioinorganic Chemistry
CHEM 621	(5)	Reaction Mechanisms in Organic Chemistry
CHEM 629	(5)	Organic Synthesis
CHEM 655	(4)	Advanced NMR Spectroscopy



PHAR 503	(3)	Drug Design and Development 1
PHAR 504	(3)	Drug Design and Development 2
PHAR 562	(3)	General Pharmacology 1
PHAR 563	(3)	General Pharmacology 2
PHAR 707	(3)	Topics in Pharmacology 6

The remaining credits may be graduate-level courses approved by the Department.

### 27.11.3.8 Doctor of Philosophy (Ph.D.); Chemistry

#### Thesis

#### Required Courses

CHEM 650	(1)	Seminars in Chemistry 1
CHEM 651	(1)	Seminars in Chemistry 2
CHEM 688	(3)	Assessment
CHEM 701	(0)	Comprehensive Examination 1
CHEM 702	(0)	Comprehensive Examination 2

#### Complementary Courses

Students entering the program with an M.Sc. degree will normally take three (3) graduate-level courses. Students entering without an M.Sc. degree will normally take five (5) graduate-level courses.

Students may be required to take advanced undergraduate courses if background deficient.

### 27.11.3.9 Doctor of Philosophy (Ph.D.); Chemistry — Chemical Biology

(Not offered in 2011-2012)

#### Thesis

#### Required Courses

BIOC 610	(1)	Seminars in Chemical Biology 1
BIOC 611	(1)	Seminars in Chemical Biology 3
BIOC 689	(1)	Seminars in Chemical Biology 2
BIOC 690	(1)	Seminars in Chemical Biology 4
CHEM 650	(1)	Seminars in Chemistry 1
CHEM 651	(1)	Seminars in Chemistry 2
CHEM 688	(3)	Assessment
CHEM 701	(0)	Comprehensive Examination 1
CHEM 702	(0)	Comprehensive Examination 2

#### Complementary Courses

Students entering the program with an M.Sc. degree will normally take three (3) graduate-level courses. Students entering without an M.Sc. degree will normally take five (5) graduate-level courses. At least three courses must be from the following list, including at least 3 credits from the first two courses listed below.

CHEM 503	(3)	Drug Design and Development 1
CHEM 504	(3)	Drug Design and Development 2
CHEM 514	(3)	Biophysical Chemistry
CHEM 522	(3)	Stereochemistry
CHEM 591	(3)	Bioinorganic Chemistry
CHEM 621	(5)	Reaction Mechanisms in Organic Chemistry
CHEM 629	(5)	Organic Synthesis
CHEM 655	(4)	Advanced NMR Spectroscopy
PHAR 503	(3)	Drug Design and Development 1
PHAR 504	(3)	Drug Design and Development 2
PHAR 562	(3)	General Pharmacology 1
PHAR 563	(3)	General Pharmacology 2
PHAR 707	(3)	Topics in Pharmacology 6

The remaining credits may be 500-, 600-, or 700-level courses approved by the Department.

## 27.11.4 Computer Science

### 27.11.4.1 Location

School of Computer Science  
 McConnell Engineering, Room 318  
 3480 University Street  
 Montreal, QC H3A 2A7  
 Canada

Telephone: 514-398-7071 ext. 00074  
 Fax: 514-398-3883  
 Email: [grad.cs@mcgill.ca](mailto:grad.cs@mcgill.ca)  
 Website: [www.cs.mcgill.ca](http://www.cs.mcgill.ca)

### 27.11.4.2 About Computer Science

The School of Computer Science is one of the leading teaching and research centres for computer science in Canada. We offer a Ph.D. program and several M.Sc. programs. All include coursework and research. In the basic M.Sc. programs students must choose between the thesis option and the non-thesis option, which requires a project. The Ph.D. program includes an option in bioinformatics and the thesis M.Sc. program includes options in bioinformatics and in Computational Science and Engineering. Students are normally funded by their adviser's research grants; in the case of scholarship students, this typically takes the form of a 'top-up' to the scholarship. Research in the School covers a broad range of areas, including: **Theory**: algorithms, combinatorial optimization, computational geometry, cryptography, graph theory, logic and computation, programming languages, quantum computing, theory of computation, and scientific computing; **Systems**: compilers, computer games, distributed systems, embedded and real-time systems, modelling and simulations, networks, software engineering; **Applications**: bioinformatics, machine learning, robotics, computer animation, graphics, and vision.

All students must consult the graduate program website [www.cs.mcgill.ca](http://www.cs.mcgill.ca), where up-to-date information about the graduate program is posted. Any questions concerning the program should be addressed to the Graduate Coordinator.

#### *section 27.11.4.5: Master of Science (M.Sc.); Computer Science (Thesis) (45 credits)*

This program is designed for students with a strong interest in research in computer science who hold at least the equivalent of an undergraduate minor in CS. This program combines a strong course component with a research thesis. It is the usual (but not mandatory) entry point for students who wish to do a Ph.D., but is also the program of choice for students who want to find challenging and exciting jobs after their Master's.

#### *section 27.11.4.6: Master of Science (M.Sc.); Computer Science (Thesis) — Computational Science and Engineering (45 credits)*

This program option is to train graduates in state-of-the-art applications of numerical and modelling methods and computer technology to scientific and engineering problems. CSE is a rapidly growing multidisciplinary area with connections to the sciences, engineering, mathematics, and computer science.

*section 27.11.4.7: Master of Science (M.Sc.); Computer Science (Thesis) — Bioinformatics (45 credits)*

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases and the use of algorithms and statistics.

*section 27.11.4.8: Master of Science (M.Sc.); Computer Science (Non-Thesis) (45 credits)*

This program is designed for students who want to obtain broad knowledge of advanced topics in computer science but without the requirement of a thesis. It offers an excellent preparation for the job market, but is not recommended for students interested in eventually pursuing a Ph.D.

*section 27.11.4.9: Doctor of Philosophy (Ph.D.); Computer Science*

The Ph.D. program trains students to become strong, independent researchers in the field of their choice. Our graduates take challenging positions in industry or take academic positions at universities and research labs. In order to apply to the Ph.D. program, normally applicants should hold a Master's degree in Computer Science or a closely related area, from a well-recognized university, but exceptional students can be admitted to the Ph.D. program directly without a master's degree.

*section 27.11.4.10: Doctor of Philosophy (Ph.D.); Computer Science — Bioinformatics*

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases and the use of algorithms and statistics.

**27.11.4.3 Computer Science Admission Requirements and Application Procedures**

**27.11.4.3.1 Admission Requirements**

**Master's (M.Sc.)**

The minimum requirement for admission is a bachelor's degree thesis) (45 credits)45 c91.9f1

### Emeritus Professors

R. De Mori; Ph.D.(Politecnico di Torino)  
T.H. Merrett; B.Sc.(Qu.), D.Phil.(Oxf.)  
M.M. Newborn; B.E.E.(Rensselaer Poly.), Ph.D.(Ohio St.), F.A.C.M.  
C. Paige; B.Sc., B.Eng.(Syd.), Ph.D.(Lond.)  
G.F.G. Ratzler; B.Sc.(Glas.), M.Sc.(McG.)  
G.T. Toussaint; B.Sc.(Tulsa), Ph.D.(Br. Col.)

### Professors

D. Avis; B.Sc.(Wat.), Ph.D.(Stan.)  
L. Devroye; M.S.(Louvain), Ph.D.(Texas) (*James McGill Professor*)  
G. Dudek; B.Sc.(Qu.), M.Sc., Ph.D.(Tor.) (*James McGill Professor*)  
L. Hendren; B.Sc., M.Sc.(Qu.), Ph.D.(C'nell)  
P. Panangaden; M.Sc.(IIT, Kanpur), M.S.(Chic.), Ph.D.(Wisc.)  
B. Reed; B.Sc., Ph.D.(McG.) (*Canada Research Chair*)  
K. Siddiqi; B.Sc.(Lafayette), M.Sc., Ph.D.(Brown) (*William Dawson Chair*)  
D. Thérien; B.Sc.(Montr.), M.Sc., Ph.D.(Wat.) (*James McGill Professor*)

### Associate Professors

M. Blanchette; B.Sc., M.Sc.(Montr.), Ph.D.(Wash.)  
X.W. Chang; B.Sc., M.Sc.(Nanjing), Ph.D.(McG.)  
C. Crépeau; B.Sc., M.Sc.(Montr.), Ph.D.(MIT)  
N. Friedman; B.A.(W. Ont.), Ph.D.(Tor.)  
M.T. Hallett; B.Sc.(Qu.), Ph.D.(Vic., BC)  
P. Hayden; B.Sc.(McG.), Ph.D.(Oxf.)  
B. Kemme; B.Sc., M.Sc.(U. of Erlangen-Nuremberg, Germany), Ph.D.(ETH, Zurich)  
J. Kienzle; Eng.Dip., Ph.D.(Swiss Fed. IT)  
M. Langer; B.Sc.(McG.), M.Sc.(Tor.), Ph.D.(McG.)  
X. Liu; B.Sc., M.Sc.(Tsinghua), Ph.D.(Ill.)  
M. Maheswaran; B.Sc.(U. Peradeniya), M.Sc., Ph.D.(Purdue)  
B. Pientka; B.Sc., M.Sc.(Tech. U. of Darmstadt, Germany), Ph.D.(Carn. Mell)  
J. Pineau; B.Sc.(Wat.), M.Sc., Ph.D.(Carn. Mell)  
D. Precup; B.Sc.(Tech. U. of Cluj-Napoca), M.Sc., Ph.D.(Mass.)  
M. Robillard; B.Eng.(École Poly., Montr.), M.Sc., Ph.D.(Br. Col.)  
C. Tropper; B.Sc.(McG.), Ph.D.(Brooklyn Poly.)  
H. Vangheluwe; B.Sc., M.Sc., D.Sc.(Ghent, Belgium)  
C. Verbrugge; B.A.(Qu.), Ph.D.(McG.)  
A. Vetta; B.Sc., M.Sc.(LSE), Ph.D.(MIT)

### Assistant Professors

H. Hatami; B.Sc.(Sharif), M.Sc., Ph.D.(Tor.)  
P. Kry; B.Sc.(Wat.), M.Sc., Ph.D.(Br. Col.)  
D. Ruths; B.Sc., M.Sc., Ph.D.(Rice)  
M. Singh; B.Sc., M.Sc.(IIT), Ph.D., ACO(Carn. Mell)

### Assistant Professors

J. Waldispuhl; B.Sc.(Nice & Sophia-Antipolis), M.Sc.(Paris VII), Ph.D.(École Poly., France)

### Faculty Lecturer

J. Vybihal; B.Sc., M.Sc.(McG.)

### Associate Members

D.J. Levitin (*Psychology*)

D. Schlimm (*Philosophy*)

R. Sengupta (*Geography*)

B.F. Shepherd (*Mathematics & Statistics*)

T.R. Shultz (*Psychology*)

R. Sieber (*Geography*)

### Adjunct Professors

P.J. Mosterman, T. Perkins, I. Rekleitis, G.O. Sabidussi, M. Tabaeh Izadi, P. Tesson

#### 27.11.4.5 Master of Science (M.Sc.); Computer Science (Thesis) (45 credits)

##### Thesis Courses (24 credits)

24 credits selected from:

COMP 691	(2)	Thesis Research 1
COMP 696	(3)	Thesis Research 2
COMP 697	(4)	Thesis Research 3
COMP 698	(9)	Thesis Research 4
COMP 699	(15)	Thesis Research 5

**Complementar**C.64 Tm t le(Ma j 0 0 1 67er o500-, 600-, or 1 0-le);C.64 Tmel (COMc v1.3e, including at le(Ma 4.1 0 1 67er o4- 0 1 6Mc v1.3e.);Tj

**Complementary Courses**

(minimum 21 credits)

Two courses from List A, two courses from List B, and the remaining credits to be chosen from graduate (500-, 600-, or 700-level) courses in the School of Computer Science. Two complementary courses must be tak

MECH 572	(3)	Introduction to Robotics
MECH 573	(3)	Mechanics of Robotic Systems
MECH 576	(3)	Geometry in Mechanics
MECH 577	(3)	Optimum Design
MECH 610	(4)	Fundamentals of Fluid Dynamics
MECH 620	(4)	Advanced Computational Aerodynamics
MECH 632	(4)	Theory of Elasticity
MECH 642	(4)	Advanced Dynamics
MECH 650	(4)	Fundamentals of Heat Transfer
MECH 654	(4)	Compt. Fluid Flow and Heat Transfer

#### **27.11.4.7 Master of Science (M.Sc.); Computer Science (Thesis) — Bioinformatics (45 credits)**

##### **Thesis Courses (24 credits)**

24 credits selected from:

COMP 691	(2)	Thesis Research 1
COMP 696	(3)	Thesis Research 2
COMP 697	(4)	Thesis Research 3
COMP 698	(9)	Thesis Research 4
COMP 699	(15)	Thesis Research 5

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

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

##### **Complementary Cour**

**Complementary Courses (30 credits)**

30 credits of 500-, 600-, or 700-level COMP courses.

**27.11.4.9 Doctor of Philosophy (Ph.D.); Computer Science**

Required coursework: Students must take eight graduate courses, of which at least five are computer science courses. These courses should be chosen by the student in consultation with the supervisor (or co-supervisor) and the Progress Committee.

**Thesis****Required Courses**

COMP 700	(0)	Ph.D. Comprehensive Examination
COMP 701	(3)	Thesis Proposal and Area Examination

**Complementary Courses**

18-24 credits selected from:

**Category A: Theory and Applications**

COMP 506	(3)	Advanced Analysis of Algorithms
COMP 507	(3)	Computational Geometry
COMP 523	(3)	Language-based Security
COMP 524	(3)	Theoretical Foundations of Programming Languages
COMP 525	(3)	Formal Verification
COMP 531	(3)	Theory of Computation
COMP 540	(3)	Matrix Computations
COMP 547	(4)	Cryptography and Data Security
COMP 552	(4)	Combinatorial Optimization
COMP 554	(4)	Approximation Algorithms
COMP 560	(3)	Graph Algorithms and Applications
COMP 561	(4)	Computational Biology Methods and Research
COMP 563	(3)	Molecular Evolution Theory
COMP 564	(3)	Computational Gene Regulation
COMP 566	(3)	Discrete Optimization 1
COMP 567	(3)	Discrete Optimization 2
COMP 598	(3)	Topics in Computer Science 1
COMP 599	(3)	Topics in Computer Science 2
COMP 610	(4)	Information Structures 1
COMP 618	(3)	Bioinformatics: Functional Genomics
COMP 623	(4)	Concurrent Programming Languages
COMP 627	(4)	Theoretical Programming Languages
COMP 642	(4)	Numerical Estimation Methods
COMP 647	(4)	Advanced Cryptography
COMP 648	(4)	Motion Planning and Robotics
COMP 649	(4)	Quantum Cryptography
COMP 680	(4)	Mining Biological Sequences
COMP 690	(4)	Probabilistic Analysis of Algorithms





COMP 700	(0)	Ph.D. Comprehensive Examination
COMP 701	(3)	Thesis Proposal and Area Examination

**Hydrogeology**

Studies of pore-water flow in northern peatlands, heat transport, heat as a tracer of natural systems, groundwater modeling, coupled numerical models of pore water flow and heat transport with freeze/thaw processes, and the impact of melting tropical glaciers on water resources.

**Igneous Petrology**

Experimental studies of the structure, thermodynamics, and transport properties (diffusion and viscosity) of silicate melts and applications to igneous petrogenesis. The nature of the Earth's upper mantle and the processes within it which give rise to basaltic volcanism on both the Earth and the other terrestrial planets. Applications of laser ablation ICPMS; Petrology, geochemistry, and tectonics of the Appalachian lithosphere.

**Mineralogy**

Chemistry and crystallography of carbonate minerals. Experimental investigations of the effect of environmental factors (e.g., solution composition and temperature) on the morphology and composition of calcite.

*section 27.11.5.8: Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences — Environment*

The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic and ethical judgments have. The option also provides a forum whereby graduate students bring their

TcwTw0 G0 g/F1 8 6081 c9 pro

### **Assistant Professors**

Eric Galbraith; B.Sc.(McG.), Ph.D.(Br. Col.)

Sarah Hall; B.A.(Hamilton), Ph.D.(Calif.-Santa Cruz)

Yajing Liu; B.Sc.(Peking), Ph.D.(Harv.)

Jeffrey McKenzie; B.Sc.(McG.), M.Sc., Ph.D.(Syrac.)

Christie Rowe; A.B.(Smith), Ph.D.(Calif.-Santa Cruz)

Vincent van Hinsberg; Propadeuse(Utrecht), Doctorandus(Utrecht), Ph.D.(Brist.)

Boswell Wing; A.B.(Harv.), M.A., Ph.D.(Johns Hop.) (*Canada Research Chair in Earth Systems Science (Geochemistry)*)

### **Faculty Lecturer**

W. Minarik; B.A.(St. Olaf), M.Sc.(Wash.), Ph.D.(Rensselaer Poly.)

### **Adjunct Professors**

M. Duchesne, M. Riedel, H. Short, B. Sundby

### **Retired Professor**

R. Hesse

## **27.11.5.5 Master of Science (M.Sc.); Earth and Planetary Sciences (Thesis) (45 credits)**

### **Thesis Courses (33 credits)**

**Complementary Courses (6 credits)**

One 3-credit course at the 500, 600, or 700 level chosen with the approval of the supervisor or research director and GPS.

3 credits chosen from the following courses:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

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

**27.11.5.7 Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences**

Highly qualified B.Sc. graduates may be admitted directly to the Ph.D. 1 year. Students with the M.Sc. degree are normally admitted to the Ph.D. 2 year. Students are required to take six graduate-level courses in the Ph.D. 1 year, and two courses plus a comprehensive oral examination in the Ph.D. 2 year.

**Thesis****Required Courses**

EPSC 666	(3)	Current Issues in Geosciences
EPSC 700	(0)	Preliminary Doctoral Examination

**Complementary Courses**

One to seven courses approved at the 500, 600, or 700 level selected in consultation with the student's supervisor and approved by the Academic Standing Committee.

**27.11.5.8 Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences — Environment****Thesis****Required Courses**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
EPSC 666	(3)	Current Issues in Geosciences
EPSC 700	(0)	Preliminary Doctoral Examination

**Complementary Courses**

One to five courses

One course chosen from the following courses:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3

ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500, 600, or 700 level recommended by the advisory committee with the student's supervisor and approved by the Academic Standing Committee.

Zero to four courses at the 500, 600, or 700 level selected in consultation with the student's supervisor and approved by the Academic Standing Committee.

## **27.11.6 Geography**

### **27.11.6.1 Location**

Department of Geography  
Burnside Hall  
805 Sherbrook

Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow.



*Faculty of Science > Academic Programs > Geography > [section 27.11.6.6: Master of Science \(M.Sc.\); Geography \(Thesis\) — Environment \(45 credits\)](#)*

The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9), and complementary Geography and Environment (12) courses. The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic and ethical judgments have. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

*Faculty of Science > Academic Programs > Geography >*

**Ph.D. Degree**

Students who have completed a master's degree in Geography (with high standing) may be admitted at the Ph.D. 2 level.

On rare occasions, a student may be admitted to the Ph.D. degree without having first taken the master's degree. They, and others who have deficiencies in their preparation but are otherwise acceptable, will be required to register for a year of coursework and/or be required to take extra courses. The normal duration of a program, including field work where required, is three years.

Normally, the Department will restrict admission to the Ph.D. program to students prepared to work in one of the fields of human or physical geography in which specialized supervision is of0

### Assistant Professors

L. Barrang-Ford; M.A.(Oxf.), Ph.D.(Guelph)  
S. Breau; M.A.(Laval), Ph.D.(Calif.-LA)  
B. Lehner; Ph.D.(Frankfurt)  
J. Ford; Ph.D.(Guelph)  
M. Kalacska; Ph.D.(Alta.)  
N. Oswin; M.A.(Dal.), Ph.D.(Br. Col.)  
G. Peterson; M.Sc., Ph.D.(Flor.)  
N. Ramankutty; M.Sc.(Ill.), Ph.D.(Wisc.)  
R. Sengupta; M.Sc., Ph.D.(Ill.)  
S. Turner; M.Soc.Sc.(Waikato, N.Z.), Ph.D.(Hull, UK)

### Adjunct Professors

R. Cooke, E. Levac

### Course Lecturer

G. Akman

#### 27.11.6.5 Master of Science (M.Sc.); Geography (Thesis) (45 credits)

##### Thesis Courses (30 credits)

GEOG 698	(6)	Thesis Proposal
GEOG 699	(24)	Thesis Research

##### Required Course (3 credits)

GEOG 631	(3)	Methods of Geographical Research
----------	-----	----------------------------------

##### Complementary Courses (12 credits)

12 credits, four 3-credit courses at the 500 level or above selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

#### 27.11.6.6 Master of Science (M.Sc.); Geography (Thesis) — Environment (45 credits)

The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9 credits) and complementary Geography and Environment (12 credits) courses.

##### Thesis Courses (24 credits)

GEOG 697	(18)	Thesis Research (Environment Option)
GEOG 698	(6)	Thesis Proposal

##### Required Courses (9 credits)

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
GEOG 631	(3)	Methods of Geographical Research



GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

### Complementary Courses

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

#### 27.11.6.9 Doctor of Philosophy (Ph.D.); Geography — Environment

The option consists of the thesis and comprehensive examination, required courses (9 credits) from Geography and Environment and complementary courses (9 credits) in Environment or other fields recommended by the research committee and approved by the Environment Option Committee.

### Thesis

#### Required Courses

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
GEOG 631	(3)	Methods of Geographical Research

### Complementary Courses

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

One course chosen from the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 580	(3)	Topics in Environment 3
ENVR 611	(3)	The Economy of Nature
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500 level or higher recommended by the advisory committee and approved by the Environment Option Committee.

### Comprehensives

GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

#### 27.11.6.10 Doctor of Philosophy (Ph.D.); Geography — Gender and Women's Studies

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Geography who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

### Thesis

#### Required Courses



programs students must choose between the Thesis option and the Non-Thesis option, which requires a project. The Bioinformatics and CSE options require a thesis. In addition to the Ph.D. program in Mathematics and Statistics, there is a Ph.D. option in Bioinformatics.

The Department website ([www.math.mcgill.ca](http://www.math.mcgill.ca)) provides extensive information on the Department and its facilities, including the research activities and the research interests of individual faculty members. It also provides detailed information, supplementary to the calendar, concerning our programs, admissions, funding of graduate students, thesis requirements, advice concerning the choice of courses, etc.

Students are urged to consult the website ([www.math.uqam.ca/ISM](http://www.math.uqam.ca/ISM)) of the *Institut des Sciences Mathématiques* (ISM), which coordinates intermediate and advanced-level graduate courses among Montreal and Quebec universities. A list of courses available under the ISM auspices can be obtained from the ISM website. The ISM also offers fellowships and promotes a variety of joint academic activities greatly enhancing the mathematical environment in Montreal and in the province of Quebec.

**Faculty of Arts > Academic Programs > Mathematics and Statistics > [section 15.11.18.5: Master of Arts \(M.A.\); Mathematics and Statistics \(Thesis\) \(45 credits\)](#)**

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.A.). The Thesis option requires a thesis (24 credits) and six approved courses of 3 or more credits each for a total of at least 21 credits.

**Faculty of Arts > Academic Programs > Mathematics and Statistics > [section 15.11.18.6: Master of Arts \(M.A.\); Mathematics and Statistics \(Non-Thesis\) \(45 credits\)](#)**

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.A.). The Non-Thesis option requires a project (16 credits) and eight approved courses of 3 or more credits each for a total of at least 29 credits.

**Faculty of Science > Academic Programs > Mathematics and Statistics > [section 27.11.7.5: Master of Science \(M.Sc.\); Mathematics and Statistics \(Thesis\) \(45 credits\)](#)**

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.Sc.). The Thesis option requires a thesis (24 credits) and six approved courses of 3 or more credits each for a total of at least 21 credits.

**Faculty of Science > Academic Programs > Mathematics and Statistics > [section 27.11.7.6: Master of Science \(M.Sc.\); Mathematics and Statistics \(Thesis\) — Bioinformatics \(48 credits\)](#)**

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental

### **27.11.7.3 Mathematics and Statistics Admission Requirements and Application Procedures**

#### **27.11.7.3.1 Admission Requirements**

In addition to the general Graduate and Postdoctoral Studies requirements, the Department requirements are as follows:

##### **Master's Degree**

The normal entrance requirement for the master's programs is a Canadian Honours degree or its equivalent, with high standing, in mathematics, or a closely related discipline in the case of applicants intending to concentrate in statistics or applied mathematics.

Applicants wishing to concentrate in pure mathematics should have a strong background in linear algebra, abstract algebra, and real and complex analysis.

Applicants wishing to concentrate in statistics should have a strong background in linear algebra and basic real analysis. A calculus-based course in probability and one in statistics are required, as well as some knowledge of computer programming. Some knowledge of numerical analysis and optimization is desirable.

Applicants wishing to concentrate in applied mathematics should have a strong background in most of the areas of linear algebra, analysis, differential equations, discrete mathematics, and numerical analysis. Some knowledge of computer programming is also desirable.

Students whose preparation is insufficient for the program the



**Emeritus Professors**

Michael Makkai; M.A., Ph.D.(Bud.) (*Peter Redpath Professor of Pure Mathematics*)

### Associate Professors

Antony R. Humphries; B.A., M.A.(Camb.), Ph.D.(Bath)

Wilbur Jonsson; M.Sc.(Manit.), Dr.Rer.Nat.(Tübingen)

Ivo Klemes; B.Sc.(Tor.), Ph.D.(Calif. Tech.)

James G. Loveys; B.A.(St. Mary's), M.Sc., Ph.D.(S. Fraser)

Neville G.F. Sancho; B.Sc., Ph.D.(Belf.)

Robert Seiringer; Dip, Ph.D.(Vienna)

Russell Steele; B.S., M.S.(Carn. Mell), Ph.D.(Wash.)

Alain Vandal; B.Sc., M.Sc.(McG.), Ph.D.(Auck.)

Adrian Vetta; B.Sc., M.Sc.(LSE), Ph.D.(MIT) (*joint appt. with Computer Science*)

### Associate Members

Xiao-Wen Chang (*Computer Science*), Luc P. Devroye (*Computer Science*), Pierre R.L. Dutilleul (*Plant Science*), Eliot Fried (*Mechanical Engineering*), Leon Glass (*Physiology*), George Haller (*Engineering*), James A. Hanley (*Epidemiology & Biostatistics*), Lawrence Joseph (*Epidemiology & Biostatistics*), Michael Mackey (*Physiology*), Lawrence A. Mysak (*AOS4o.532.6 Loeph*)

**27.11.7.6 Master of Science (M.Sc.); Mathematics and Statistics (Thesis) — Bioinformatics (48 credits)**

**Thesis Cour**

COMP 566	(3)	Discrete Optimization 1
MATH 578	(4)	Numerical Analysis 1
MATH 579	(4)	Numerical Differential Equations

**List B - Applications and Specialized Methods Courses:**

ATOC 512	(3)	Atmospheric and Oceanic Dynamics
ATOC 513	(3)	Waves and Stability
		re and Oceans    Turbulence in Atmosphere and Oceans

**27.11.7.8 Master of Science (M.Sc.); Mathematics and Statistics (Non-Thesis) (45 credits)****Research Project (16 credits)**

MATH 640	(8)	Project 1
MATH 641	(8)	Project 2

**Complementary Courses (29 credits)**

At least eight approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

**27.11.7.9 Doctor of Philosophy (Ph.D.); Mathematics and Statistics****Thesis****Required Courses**

MATH 700	(0)	Ph.D. Preliminary Examination Part A
MATH 701	(0)	Ph.D. Preliminary Examination Part B

**Complementary Courses**

Twelve approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

**27.11.7.10 Doctor of Philosophy (Ph.D.); Mathematics and Statistics — Bioinformatics****Thesis****Required Courses (3 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
MATH 700	(0)	Ph.D. Preliminary Examination Part A
MATH 701	(0)	Ph.D. Preliminary Examination Part B

**Complementary Courses (6 credits)**

(3-6 credits)

The twelve one-semester complementary courses for the Ph.D. degree must include at least two from the list below, unless a student has completed the M.Sc.-level option in Bioinformatics, in which case only one course from the list below must be chosen:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

**27.11.8 Physics****27.11.8.1 Location**

Department of Physics  
Ernest Rutherford Physics Building  
3600 University Street  
Montreal, QC H3A 2T8  
Canada

Telephone: 514-398-6485 (Graduate Information)

Fax: 514-398-8434

Email: [graduate.physics@mcgill.ca](mailto:graduate.physics@mcgill.ca)

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

### **27.11.8.2 About Physics**

The Department of Physics currently has a faculty of more than 35 members which includes several holders of Canada Research Chairs and many other prestigious named chairs. Additionally we host an impressive number of postdoctoral fellows and research associates and run one of the largest and most vibrant graduate programs in North America. The graduate student enrolment is currently about 140.

Faculty members in the Department of Physics are recognized internationally for their e

- The study of heavy-ion reactions at relativistic energies to determine the properties of nuclear matter at high temperatures and density. This program is being performed at the Brookhaven National Laboratory, and at the Large Hadron Collider facility at CERN.
- The study of ground state properties of unstable nuclei using laser spectroscopy techniques and ion traps. This work is being carried out using the Canadian Penning trap facility at the Ar

4. \$100 application fee;
5. test result: TOEFL (minimum score 550 on the paper-based test or 86 on the Internet-based test, with each component score not less than 20) or IELTS (minimum score 6.5).

All information is to be submitted to the Graduate Coordinator.

#### **Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

#### **Financial Assistance**

Financial assistance will be offered to students in the form of a bursary, teaching, and research assistantships. For new students, financial support will be offered at the time of acceptance. Forms are given and filled out on registration day.

### **27.11.8.4 Physics Faculty**

#### **Chair**

C. Gale

#### **Director of Graduate Studies**

S. Jeon

#### **Emeritus Professors**

S. Das Gupta; B.Sc., M.Sc.(Calc.), Ph.D.(McM.) (*Macdonald Emeritus Professor of Physics*)

N.B. DeTakacsy; B.Sc., M.Sc.(Montr.), Ph.D.(McG.)

C.S. Lam; B.Sc.(McG.), Ph.D.(MIT)

M.P. Langleben; B.Sc., M.Sc., Ph.D.(McG.), F.R.S.C.

S.K. Mark; B.Sc., M.Sc., Ph.D.(McG.) (*Macdonald Emeritus Professor of Physics*)

D.G. Stairs; B.Sc., M.Sc.(Qu.), Ph.D.(Harv.) (*Macdonald Emeritus Professor of Physics*)

J.O. Strom-Olsen; B.A., M.S., Ph.D.(Camb.)

M.J. Zuckermann; M.A., D.Phil.(Oxf.), F.R.S.C.

#### **Post-Retirement Professors**

J. Barrette; M.Sc., Ph.D.(Montr.)

J.E. Crawford; B.A., M.A.(Tor.), Ph.D.(McG.)

R. Harris; B.A.(Oxf.), Ph.D.(Sus.)

J.K.P. Lee; B.Eng., M.Sc., Ph.D.(McG.)

R.B. Moore; B.Eng., M.Sc., Ph.D.(McG.)

P.M. Patel; B.Sc., M.Sc.(Manc.), Ph.D.(Harv.)



## Professors

K. Ragan; B.Sc.(Alta.), Ph.D.(Geneva) (*Macdonald Professor of Physics*)

D.H. Ryan; B.A., Ph.D.(Dub.)

M. Sutton; B.Sc., M.Sc., Ph.D.(Tor.) (*Rutherford Chair in Physics*)

## Associate Professors

A. Clerk; B.Sc.(Tor.), Ph.D.(C' nell) (*Canada Research Chair*)

A. Cumming; B.A.(Camb.), Ph.D.(Calif., Berk.)

K. Dasgupta; M.Sc., Ph.D.(TIFR)

G. Gervais; B.Sc.(Sher.), M.Sc.(McM.), Ph.D.(N' western)

M. Hilke; B.Sc., M.Sc., Ph.D.(Geneva)

G. Holder; B.Sc., M.Sc.(Qu.), Ph.D.(Chic.) (*Canada Research Chair*)

S. Jeon; B.Sc.(Seoul National), M.Sc., Ph.D.(Wash.)

G. Moore; B.S.(Harvey Mudd), Ph.D.(Princ.)

S. Robertson; B.Sc.(Calg.), M.Sc., Ph.D.(Vic., BC)

R. Rutledge; B.Sc.(USC), Ph.D.(MIT)

B. Vachon; B.Sc.(McG.), Ph.D.(Vic., BC) (*Canada Research Chair*)

A. Warburton; B.Sc.(Vic., BC), M.Sc., Ph.D.(Tor.)

P. Wiseman; B.Sc.(St. FX), Ph.D.(W. Ont.) (*joint appt. with Chemistry*)

## Assistant Professors

B. Coish; Ph.D.(Basel)

D. Cooke; Ph.D.(Alta.)

M. Dobbs; B.Sc.(McG.), Ph.D.(Vic., BC) (*Canada Research Chair*)

P. Francois; Ph.D.(Paris VII)

A. Maloney; B.S., M.S.(Stan.), Ph.D.(Harv.) (*William Dawson Scholar*)

T. Pereg-Barnea; Ph.D.(Br. Col.)

W. Reisner; B.A.(Reed), Ph.D.(Princ.)

B. Siwick; B.Sc., M.Sc., Ph.D.(Tor.) (*Canada Research Chair*) (*joint appt. with Chemistry*)

J. Walcher; Dip., Ph.D.(ETH) (*joint appt. with Mathematics*)

T. Webb; B.Sc.(Tor.), M.Sc.(McM.), Ph.D.(Tor.)

## Lecturers

Z. Altounian, F. Buchinger

## Associate Members

M. Chacron (*Physiology*), K. Gehring (*Biochemistry*), P. Hayden (*Computer Science*), M. Mackey (*Physiology*), Z. Mi (*Electrical and Computer Engineering*), J. Nadeau (*Biomedical Engineering*), E. Podgorsak (*Medical Physics*), D. Rassier (*Kinesiology*), D. Ronis (*Chemistry*), J. Seuntjens (*Medical Physics*), T. Szkopek (*Electrical and Computer Engineering*), F. Verhaegen (*Medical Physics*)

## Adjunct Professors

G. Austing, J. Cadogan, F. Drolet, M. Dubé, M. Grisar, L. Piché, N. Provas, A. Sachrajda

### 27.11.8.5 Master of Science (M.Sc.); Physics (Thesis) (45 credits)

#### Thesis Courses (30 credits)

PHYS 690	(24)	M.Sc. Thesis
PHYS 692	(6)	Thesis Project

**Complementary Courses (15 credits)**

12 credits at the 500, 600, or 700 level.

3 credits at the 600 or 700 level:

elSmission to substiucoA8up to 6t the 600c

**Ph.D. Option in Language Acquisition (LAP)**

Information about this option is available from the Department and at: <http://ego.psych.mcgill.ca/lap.html>.

**Ph.D. Option in Psychosocial Oncology (PSO)**

A cross-disciplinary option in Psychosocial Oncology is offered within the existing Ph.D. program in Psychology. Information about this option is available from the Department and at: [www.medicine.mcgill.ca/oncology/programs/programs\\_psychosocialoncology.asp](http://www.medicine.mcgill.ca/oncology/programs/programs_psychosocialoncology.asp).

**Faculty of Arts > Academic Programs > Psychology > [section 15.11.21.5: Master of Arts \(M.A.\); Psychology \(Thesis\) \(45 credits\)](#)**

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

**Faculty of Science > Academic Programs > Psychology > [section 27.11.9.5: Master of Science \(M.Sc.\); Psychology \(Thesis\) \(45 credits\)](#)**

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

**[section 15.11.21.6: Doctor of Philosophy \(Ph.D.\); Psychology](#)**

Please contact the Department for more information about this program.

**[section 15.11.21.7: Doctor of Philosophy \(Ph.D.\); Psychology — Language Acquisition](#)**

This unique interdisciplinary program focuses on the scientific exploration of language acquisition by different kinds of learners in diverse contexts. Students in the Language Acquisition Program are introduced to theoretical and methodological issues on language acquisition from the perspectives of cognitive neuroscience, theoretical linguistics, psycholinguistics, education, communication sciences and disorders, and neuropsychology.

**[section 15.11.21.8: Doctor of Philosophy \(Ph.D.\); Psychology — Psychosocial Oncology](#)**

The Department of Oncology, in conjunction with the School of Nursing, the Department of Psychology and the School of Social Work, has developed the cross-disciplinary Psychosocial Oncology Option (PSOO). This option is open to doctoral students in the School of Nursing and in the Department of Psychology who are interested in broadening their knowledge of psychosocial issues in oncology.

**27.11.9.3 Psychology Admission Requirements and Application Procedures****27.11.9.3.1 Admission Requirements**

Admission to the graduate program depends on an evaluation of students' research interests and their aptitude for original contributions to knowledge and, if applicable, for professional contributions in the applied field.

The usual requirement for admission is an honours or majors degree (B.A. or B.Sc.) in Psychology. This usually includes an introductory course plus twelve courses in psychology (each equivalent to three term hours). Courses in experimental psychology, the theoretical development of modern ideas in psychology, and statistical methods as applied to psychological problems (equivalent to an introductory course) are essential. Applicants' knowledge of relevant biological, physical, and social sciences is considered.

Applicants who hold a bachelor's degree but who have not met these usual requirements should consult the Graduate Program Director to determine which (if any) courses must be completed before an application can be considered. Students with insufficient preparation for graduate work may register as Special students (undergraduate level) in the Faculty of Arts or the Faculty of Science, and follow an appropriate course of study. Such registration requires the permission of the Department but carries no advantage with respect to a student's eventual admission to graduate studies.

**27.11.9.3.2 Application Procedures****Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

Please take note that we no longer distribute paper applications. The following items must be submitted to apply to our program:

1. **web application**, available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply);
2. application fee of CAD\$100, by credit card only;
3. a completed Psychology **summary sheet**;
4. transcripts – two official copies (sent directly from your university);
5. letters of recommendation – three letters of recommendation on institution letterhead with original signatures must be provided. There are no forms for these letters. Please remind your recommenders to include your FULL NAME on all letters;
6. Graduate Record Examination (GRE) – official reports and a photocopy of scores on the General and Subject GRE. Applicants with little or no background in psychology are not required to submit scores on the subject component of the GRE. We highly recommend to all other students to submit scores on the subject component of the GRE. If you did not take the GRE subject test and are accepted into the program, you may be asked to take it in April. All applicants must take the GRE if they have studied in an English-speaking university. Canadians who have not studied in an English institution are not

required to submit GRE. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate

## Professors

M. Sullivan; B.A.(McG), M.A., Ph.D.(C'dia)  
Y. Takane; B.L., M.A.(Tokyo), Ph.D.(N. Carolina)  
D.M. Taylor; M.A., Ph.D.(W. Ont.)  
N. White; B.A.(McG.), M.A., Ph.D.(Pitt.)  
D.C. Zuroff; B.A.(Harv.), M.A., Ph.D.(Conn.)

## Associate Professors

A.G. Baker; B.A.(Br. Col.), M.A., Ph.D.(Dal.)  
E.S. Balaban; B.A.(Mich. St.), Ph.D.(Rockefeller)  
H. Hwang; B.A.(Chung-Ang), Ph.D.(McG.)  
B. Knauper; Dr. phil.(Germany, Mannheim)  
D.J. Levitin; A.B.(Stan.), M.S., Ph.D.(Ore.) (*Bell Professor of Psychology and E-Commerce*)  
M.J. Mendelson; B.Sc.(McG.), A.M., Ph.D.(Harv.)  
K. Nader; B.Sc., Ph.D.(Tor.)  
G. O'Driscoll; B.A.(Welles.), Ph.D.(Harv.) (*William Dawson Scholar*)  
K. Onishi; B.A.(Brown), M.A., Ph.D.(Ill.)  
M. Pompeiana; M.D., Ph.D.(Pisa)  
Z. Rosberger; B.Sc.(McG.), M.A., Ph.D.(C'dia) (*Part-time*)  
D. Titone; B.A.(NYU), M.A., Ph.D.(SUNY, Binghamton)

## Assistant Professors

I. Bradley; B.Sc., M.Sc.(Tor.), Ph.D.(Wat.) (*Part-time*)  
Y. Chudasama; B.Sc., Ph.D.(Cardiff)  
M. Dirks; B.A.(McM.), M.S., M.Phil., Ph.D.(Yale)  
J. Ristic; B.A., M.A., Ph.D.(Br. Col.)  
H.-T. Yu; B.S.(Taiwan), M.S., M.A., Ph.D.(Ill.-Urbana-Champaign)

## Lecturers

R. Amsel, P. Carvajal

## Associate Members

*Anesthesia*: T. Coderre  
*Douglas Hospital Research Centre*: S. King, J. Pruessner, H. Steiger  
*Jewish General Hospital*: P. Zelkowitz  
*McGill Vision Research Centr*



**Required Courses (14 credits)**

EDSL 711	(2)	Language Acquisition Issues 3
LING 710	(2)	Language Acquisition Issues 2
PSYC 701	(6)	Doctoral Comprehensive Examination Language Acquisition Issues 1 Examination

PSYC 736	(3)	Developmental Psychology and Language
PSYC 737	(3)	Developmental Psychology and Language
SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children
SCSD 633	(3)	Language Development
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2

**27.11.9.8 Doctor of Philosophy (Ph.D.); Psychology — Psychosocial Oncology**

The Ph.D. thesis topic must be germane to psychosocial oncology and approved by the PSO coordinating committee.

**Thesis**

**Required Courses (12 credits)**

NUR2 705	(3)	Palliative Care Psychosocial
----------	-----	---------------------------------



Telephone: 514-398-4086

Fax: 514-398-3185

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

### **27.11.10.2 About Redpath Museum**

The Redpath Museum is an institution with extensive collections of ancient and modern organisms, minerals, and ethnological artifacts.

