

64 Physiology

Department of Physiology
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Chair — A. Shrier

Chair of Graduate Program — J. Orlowski

64.1 Staff

Emeritus Professor

Geoffrey Melvill Jones; B.A., M.A., M.B., B.Ch., M.D.(Cantab.)

Professors

Catherine Bushnell; B.A.(Maryland), M.A., Ph.D.(American U.)
(*Harold Griffith Professor of Anaesthesia*) (joint appt. with Dentistry)

Thomas M.S. Chang; B.Sc., M.D., C.M., Ph.D.(McG.), F.R.C.P.(C)
Munroe W. Cohen; B.Sc., Ph.D.(McG.)

Ellis J. Cooper; B.Eng.(Sir G.Wms.), M.Sc.(Surr.), Ph.D.(McM.)

Mony Frojmovic; B.Sc., Ph.D.(McG.)

Leon Glass; B.S.(Brooklyn), Ph.D.(Chic.) (*Isadore Rosenfield Professor of Cardiology*)

Phil Gold; M.Sc., Ph.D., M.D., C.M.(McG.), F.R.C.P.(C.) (joint appt. with Medicine)

David Goltzman; B.Sc., M.D., C.M.(McG.), F.R.C.P.(C.) (*Antoine G. Massabki Professor of Medicine*) (joint appt. with Medicine)

John Hanrahan; Ph.D.(Br.Col.)

James L. Henry; B.Sc.(Tor.), M.Sc., Ph.D.(W.Ont.)

Robert E. Kearney; B.Eng., M.Eng., Ph.D.(McG.) (joint appt. with Biomedical Engineering)

Kresmir Krnjovic; B.Sc., Ph.D., M.B., Ch.B.(Edin.) (joint appt. with Anaesthesia Research)

Wayne S. Lapp; M.S.A.(Tor.), Ph.D.(McG.)

Mortimer Levy; B.Sc., M.D., C.M.(McG.), F.R.C.P.(C.) (joint appt. with Medicine)

Michael Mackey; B.A., Ph.D.(Wash.) (*Joseph Morley Drake Professor of Physiology*)

Jacapo P. Mortola; M.D.(Milan)

John Orlowski; B.Sc.(McG.), M.Sc., Ph.D.(Queen's)

Premysl Ponka; M.D., Ph.D.(Prague)

Alvin Shrier; B.Sc.(C'dia), Ph.D.(Dal.) (*Hosmer Professor of Physiology*)

Douglas G.D. Watt; M.D., Ph.D.(McG.)

Associate Professors

Kathleen Cullen; B.Sc.(Brown), Ph.D.(Chic.) (*William Dawson Scholar*)

Riaz Farookhi; B.Sc., M.Sc.(M.I.T.), Ph.D.(Tufts)

Mladen Glavinovic; B.Sc.(Zagreb), M.Sc.(Tor.), Ph.D.(McG.) (joint appt. with Anaesthesia Research)

Michael Guevara; Ph.D.(McG.)

Sheldon Magder; M.D.(Tor.) (joint appt. with Medicine)

Ursula Stochaj; Ph.D.(Cologne)

Teresa Trippenbach; M.D., Ph.D.(Warsaw)

Ann Wechsler; B.A.(Tor.), M.Sc., Ph.D.(McG.)

John White; B.Sc., M.Sc.(Car.), Ph.D.(Harv.)

Assistant Professor

Julie Desbarats; Ph.D.(McG.)

Adjunct Professors

Ray Caplan, John Milton, Serge Rossignol, Malmur Sairam

Associate Members

Anaesthesia: Steven Backman

Dentistry: James Lund

Medicine: Angel Alonso, Andrey Cybulsky, Samuel O. Freedman, Abraham Fuks, Claude Gagnon, Raymond Gagnon,

Harry L. Goldsmith, Alex Grassino, Geoffrey Hendy, Peter T. Macklem, James Martin, Shree Mulay, Mariana Newkirk, Barry Posner, Shafaat Rabbani, Ian Shrier, J.Enrique Silva, Alan Sniderman, Mary Stevenson, Simon Wing, Hans Zingg

Neurology and Neurosurgery: Albert Aguayo, Massimo Avoli, Charles Bourque, Sal Carbonetto, Pierre Drapeau, Daniel Guitton, Michael Rasminsky

Otolaryngology: Bernard Segal

Pediatrics: Immanuela Moss

Psychiatry: Bernardo Dubrovsky, Christina Gianoulakis

64.2 Programs Offered

The Physiology Department offers training leading to M.Sc. and Ph.D. degrees. The scope of the ongoing research, and close connections with the McGill teaching hospitals, offer excellent opportunities for collaborations with hospital based scientists.

All graduate students in Physiology receive financial support. Any faculty member who agrees to supervise a student who does not hold a fellowship, is obliged to provide financial support.

64.3 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.

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, if all of the transfer requirements have been fulfilled. 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 Canadian University. The TOEFL is required for anyone whose university studies were completed in a language other than English outside of Canada. A minimum CGPA of 3.2 on 4.0 is required for a file to be considered.

64.4 Application Procedures

The GSAAC will only consider applications upon receipt of all of the following documentation:

1. application form;
2. personal statement;
3. CV;
4. letters of reference, not more than six months old, from two professors;
5. two official copies of all university transcripts;
6. \$60 application fee;
7. results of the GRE (Graduate Record Exam) General Test, for applicants whose undergraduate degree is not from a Canadian university.
8. results of the Test of English as a Foreign Language (TOEFL), minimum score of 600 on paper-based test (or 250 on computer-based test), if the undergraduate studies were carried out in a language other than English outside of Canada.

Applications should be submitted to the Graduate Secretary as early as possible in order to facilitate processing. However, no applications will be considered after the following deadlines:

May 1st for the September Term

Oct. 1st for the January Term

March 1st for the Summer Term (M.Sc. only)

Deadlines are six months earlier for international students.

Interested candidates should contact the Department for an application package.

Commencing with applications for entry in January 2003, McGill's on-line application form will be available to all graduate program candidates at <http://www.mcgill.ca/applying/graduate>.

64.5 Program Requirements

M.Sc.

The M.Sc. program is comprised of a minimum of 49 credits:

PHGY 601	(1)	M.Sc. Proposal Seminar
PHGY 602	(3)	Literature Search and Research Proposal
PHGY 607	(3)	Laboratory Research 1
PHGY 608	(3)	Laboratory Research 2
PHGY 618	(3)	Research Topics in Physiology 1
PHGY 619	(3)	Research Topics in Physiology 2
PHGY 620	(3)	Progress and Research
PHGY 621	(12)	Thesis 1
PHGY 622	(15)	Thesis 2
PHGY 623	(3)	M.Sc. Seminar

Additional course work may be required depending upon background of the candidate.

Students in the M.Sc. Program are required to:

1. fulfill the course requirements specified at the time of admission;
2. present a proposal seminar 3 months after starting the program, and a seminar based on the research project 2 months prior to submission of the thesis;
3. submit a thesis.

Each student will have a supervisory committee which will monitor the progress of the studies.

Transfer to the Ph.D Program

After 18 months students may transfer to the Ph.D. program if all of the transfer requirements have been fulfilled. This includes completion of the Ph.D. Preliminary Exam and the successful completion of a transfer seminar. The M.Sc. thesis requirement is then waived.

Ph.D.

Students in the Ph.D. Program are required to:

1. complete the Ph.D. Departmental Seminar Course and any other course requirements specified at the time of admission;
2. present a proposal seminar 3 months after starting the program, and a "work in progress" seminar every year until submission of the thesis;
3. pass the Ph.D. Preliminary Exam within 6-12 months of admission to the program;
4. submit a thesis and defend it orally.

Each student will have a supervisory committee which will monitor the progress of the studies.

64.6 Courses

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

The course credit weight is given in parentheses after the title. Term(s) offered (Fall, Winter, Summer) may appear after the credit weight to indicate when a course would normally be taught. Please check the Class Schedule to confirm this information.

NOTE: All undergraduate courses administered by the Faculty of Science (courses at the 100- to 500-level) have limited enrolment.

PHGY has replaced 552 as the prefix for Physiology courses.

- Denotes courses not offered in 2002-03

PHGY 502 EXERCISE PHYSIOLOGY. (3) (Winter) (Prerequisite: PHGY 311, PHGY 312, and PHGY 313) Behaviour of physiological processes in response to physical effort, in areas such as

structural basis of muscle contraction, thermoregulation during exercise, mechanics and energetics of muscle contraction, fuel utilization, fatigue, physiological adjustments during exercise and influence of training.

PHGY 508 ADVANCED RENAL PHYSIOLOGY. (3) (Fall) Offered in conjunction with the Department of Medicine. Lectures and seminars will cover advanced concepts in selected areas of kidney physiology (glomerular and tubular function) as well as membrane and epithelial transport. Students will be expected to critically discuss selected experimental papers.

PHGY 513 CELLULAR IMMUNOLOGY. (3) (Winter) (4 hours lectures plus term paper) (Prerequisite: MIMM 314, or permission of the instructor) This course deals with cellular interactions, regulation and effector mechanisms of the normal immune response in relation to diseases and pathogenic processes. It is taught at an advanced level.

PHGY 515 PHYSIOLOGY OF BLOOD 1. (3) (Fall) (2 hours lecture plus 1 hour seminar weekly) (Prerequisite: PHGY 313 or PHGY 312 or permission of the instructor) Study of the cell and molecular physiology of hemostasis and its pathophysiology (bleeding and thrombosis). Emphases on molecular mechanisms regulating clot formation, fibrinolysis, and cell adhesion/aggregation. Experimental approaches and specific clinical disorders will be analyzed. Weekly discussions, and a major term paper.

PHGY 516 PHYSIOLOGY OF BLOOD 2. (3) (Winter) (2 hours lecture plus 1 hour seminar weekly) Bone marrow hematopoiesis, with emphasis on regulation of stem cell proliferation and differentiation along hematopoietic pathways. Formation and differentiation of red and white blood cells and some of the diseases associated with hematopoiesis will be covered. Emphasis will be given to the molecular mechanisms involved in the normal and pathological conditions.

- **PHGY 517 ARTIFICIAL INTERNAL ORGANS.** (3) (Winter)

PHGY 518 ARTIFICIAL CELLS. (3) (Fall) Physiology, biotechnology, chemistry and biomedical application of artificial cells, blood substitutes, immobilized enzymes, microorganisms and cells, hemoperfusion, and artificial kidneys, and drug delivery systems. PHGY 517 and PHGY 518 when taken together, will give a complete picture of this field. However, the student can select one of these.

- ★ **PHGY 520 ION CHANNELS.** (3) (Winter) (Offered in odd numbered years) (1 1/2 hour lecture, 1 1/2 hour seminar) (Prerequisite: PHGY 311)

PHGY 531 TOPICS IN APPLIED IMMUNOLOGY. (3) (Winter) (Permission of the instructor. Graduate students with strong immunology background i.e. PHGY 513 and BIOC 503) Seminar format course in which experts in immunologic mechanisms of resistance against a variety of infectious diseases, including AIDS, malaria, and tuberculosis oversee student moderators in their presentation of recent scientific literature in the field.

PHGY 550 MOLECULAR PHYSIOLOGY OF BONE. (3) (Fall) (1 hour of lecture, 2 hours of seminar per week) (Prerequisites: PHGY 311, and BIOL 202 or equivalent) (Restricted to graduate students in biomedical departments; others by permission of the instructor) Students will develop a working knowledge of cartilage and bone. Discussion topics will include: molecular and cellular environment of bone; heritable and acquired skeletal defects; research models used to study metabolic bone disease.

PHGY 552 CELLULAR AND MOLECULAR PHYSIOLOGY. (3) (Winter) (1 hour lecture, 2 hours seminar weekly) (Prerequisite: PHGY 311) (Preference will be given to Physiology Honours and Graduate students) Discussions of recent significant advances in our understanding of the gene products involved in diverse cellular signalling pathways. Topics will include cell-surface hormone receptors, nuclear steroid hormone receptors, and ion channels and transporters. Students will present and critically evaluate experimental approaches, results and interpretations of selected research publications.

PHGY 556 TOPICS IN SYSTEMS NEUROSCIENCE. (3) (Winter) (Permission of the instructor required. Password required) (Not open

to students who have taken PHGY 456) Topics of current interest in systems neurophysiology and behavioural neuroscience including: the neural representation of sensory information and motor behaviours, models of sensory motor integration, and the computational analysis of problems in motor control and perception. Students will be expected to present and critically discuss journal articles in class.

PHGY 601 M.Sc. PROPOSAL SEMINAR. (1)

PHGY 602 LITERATURE SEARCH AND RESEARCH PROPOSAL. (3)

PHGY 607 LABORATORY RESEARCH 1. (3)

PHGY 608 LABORATORY RESEARCH 2. (3)

PHGY 610 BIOPHYSICS. (3) (Prerequisite: permission of the instructor.) A series of seminars in selected topics in theoretical biology and biomathematics.

● **PHGY 618 RESEARCH TOPICS 1.** (3) (Enrolment limited to new M.Sc. and Ph.D. students in Physiology.)

PHGY 619 RESEARCH TOPICS 2. (3) Specific topics of current interest in physiology will be considered using molecular, cellular and systems level approaches. Students will be expected to critically discuss journal articles in class.

PHGY 620 PROGRESS IN RESEARCH. (3)

PHGY 621 THESIS 1. (12)

PHGY 622 THESIS 2. (15)

PHGY 623 M.Sc. SEMINAR. (3)

PHGY 701D1 PH.D. COMPREHENSIVE EXAMINATION. (3) (Students must also register for PHGY 701D2) (No credit will be given for this course unless both PHGY 701D1 and PHGY 701D2 are successfully completed in consecutive terms)

PHGY 701D2 PH.D. COMPREHENSIVE EXAMINATION. (3) (Prerequisite: PHGY 701D1) (No credit will be given for this course unless both PHGY 701D1 and PHGY 701D2 are successfully completed in consecutive terms)

PHGY 702 PH.D. PROPOSAL. (1)

PHGY 703 PH.D. PROGRESS SEMINAR 1. (1)

PHGY 704 PH.D. PROGRESS SEMINAR 2. (1)

PHGY 720 PH.D. SEMINAR COURSE 1.

TO PHGY 725 PH.D. SEMINAR COURSE 6. (1 credit each) Required for Ph.D. students. Coordinated in conjunction with the weekly Departmental seminar series, students will meet for one hour before each seminar to critically discuss papers on the subject of the weekly seminar. Students will take turns introducing the papers and leading discussions on an overview of the research topic, some of the methodologies, results and conclusions.

COURSES OFFERED BY OTHER UNITS –

Department of Medicine, Division of Experimental Medicine:

EXMD 502 ADVANCED ENDOCRINOLOGY. (3)

EXMD 503 ADVANCED ENDOCRINOLOGY. (3)

EXMD 504 BIOLOGY OF CANCER. (3)

EXMD 506 ADVANCED APPLIED CARDIOVASCULAR PHYSIOLOGY. (3)

EXMD 507 ADVANCED APPLIED RESPIRATORY PHYSIOLOGY. (3)

EXMD 508 ADVANCED TOPICS IN RESPIRATION. (3)

EXMD 509 GASTROINTESTINAL PHYSIOLOGY AND PATHOLOGY. (3)

EXMD 615 MEMBRANE CARBOHYDRATES. (3)

Biomedical Engineering:

BMDE 519 BIOMEDICAL SIGNALS AND SYSTEMS. (3)

65 Plant Science

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Email: plantscience@macdonald.mcgill.ca

Website: <http://www.mcgill.ca/plant>

Chair — M.G. Fortin

65.1 Staff

Emeritus Professors

R.H. Estey; B.Ed.(U.N.B.), 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.(Va), F.L.S.

W.E. Sackston; B.S.A.(Man.), M.Sc.(McG.), Ph.D.(Minn.), F.C.P.S., F.A.P.S.

H.A. Steppeler; B.S.A.(Man.), M.Sc., Ph.D.(McG.), F.A.I.C.

Professors

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

D. Mather; B.Sc.(Agr.) (McG.), M.Sc., Ph.D.(Guelph)

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

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

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

M.G. Fortin; B.Sc.(Pl.Sc.), M.Sc.(Laval), Ph.D.(McG.) (*William Dawson Scholar*)

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

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

S.A. Sparace; B.S.(C'nell), Ph.D.(Wyoming)

K.A. Stewart; B.Sc.(Agr.)(Br.Col.), Ph.D.(R'dg)

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

Assistant Professors

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

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

Faculty Lecturers

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

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

Associate Member

T. Johns

Adjunct Professors

M.R. Bullen, T.L. Capson, D. Cloutier, S. Jenni, S. Khanzadeh,

J.-F. Laliberté, L. O'Donoghue

65.2 Programs Offered

The Department offers an M.Sc. and Ph.D. in Plant Science and provides for study in all fields of the plant sciences. Research facilities – both field and laboratory – are available for investigations in plant breeding, crop physiology, crop management, plant ecology, the epidemiology and biology of plant diseases, the physiology of diseased plants, cytogenetics, biosystematics, recombinant DNA technology, mycology, weed biology, tissue culture and plant biochemistry.

An advisory committee is named for each student, having the responsibility for developing the program of study appropriate to the student's background and area of specialization.

65.3 Admission Requirements

General

An equivalent cumulative grade point average of 3.0/4.0 (Second Class-Upper division) is required.

Ph.D.

Ph.D. candidates are required to have an M.Sc. degree in an area related to the chosen field of specialization for the Ph.D. program. Outstanding M.Sc. students may be permitted to transfer to the second year of the Ph.D program following one year of study.

65.4 Application Procedures

Applicants for graduate studies through academic units in the Faculty of Agricultural and Environmental Sciences may submit on-line applications via the Web at <http://www.mcgill.ca/applying/graduate> or printed applications. Supporting documents must be sent to:

Student Affairs Office (Graduate Studies)
Macdonald Campus of McGill University
21,111 Lakeshore
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada
Telephone: (514) 398-7925
Fax: (514) 398-7968
Email: grad@macdonald.mcgill.ca

Applications will be considered upon receipt of a signed and completed application form, \$60 application fee, all official transcripts, two signed original letters of reference on official letterhead of originating institution, and (if required) proof of competency in oral and written English by appropriate exams. DOCUMENTS SUBMITTED WILL NOT BE RETURNED.

Deadlines – Applications, including all supporting documents must reach the Student Affairs Office no later than June 15 (March 1 for International) for the *September session*; October 15 (July 1 for International) for the *January session*; February 15 (November 1 for International) for the *Summer session*. 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 these dates. International applicants are advised to apply well in advance of the deadline because immigration procedures may be lengthy. Applicants are encouraged to make use of the web-based application form on the McGill website <http://www.mcgill.ca/applying/graduate>

Application Fee (non-refundable) – A fee of \$60 Canadian must accompany each application (including McGill students), otherwise it cannot be considered. This sum must be remitted using one of the following methods:

1. Credit card (by completing the appropriate section of the application form). NB: on-line applications must be paid for by credit card.
2. **Certified** cheque in Cdn.\$ drawn on a Canadian bank.
3. **Certified** cheque in U.S.\$ drawn on a U.S. bank.
4. Canadian Money order in Cdn.\$.
5. U.S. Money Order in U.S.\$.
6. An international draft in Canadian funds drawn on a Canadian bank requested from the applicant's bank in his/her own country.

Transcripts – Two official copies of all transcripts with proof of degree(s) granted are required for admission. 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.

The minimum cumulative grade point average (CGPA) is 3.0/4.0 (second-class upper) or 3.2/4.0 during the last two full-time years of university study. High grades are expected in courses

considered by the academic unit to be preparatory to the graduate program.

Letters of Recommendation – Two letters of recommendation on letterhead (official paper) 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, are required. It is the applicant's responsibility to arrange for these letters to be sent.

Competency in English – Non-Canadian applicants whose mother tongue is not English and who have not completed an undergraduate degree using the English language are required to submit documented proof of competency in oral and written English, by appropriate exams, e.g. TOEFL (minimum score 550 on the paper-based test (213 on the computer-based test) 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.

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 Office 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.**

65.5 Program Requirements**M.Sc.**

Candidates must complete a 45-credit course and research program established by their advisory committee. The program will consist of:

1. Two 3-credit graduate level courses or their equivalent;
2. M.Sc. Thesis 1 PLNT 664;
3. M.Sc. Thesis 2 PLNT 665;
4. M.Sc. Thesis 3 PLNT 666;
5. Attendance at PLNT 665, PLNT 666, PLNT 767 and PLNT 768; and at invitational seminar (PLNT 690).
6. Additional courses may be required at the discretion of the candidate's supervisory committee.

Plant Science research programs normally require two years for completion.

M.Sc. – Neotropical Environment

Candidates must complete a 45-credit course and research program established by their advisory committee. The program will consist of:

1. Two 3-credit courses ENVR 610 and BIOL 640;
2. One 3-credit course chosen from POLI 644, SOCI 565, ENVR 611, ENVR 612, ENVR 680, BIOL 553, BIOL 641, GEOG 498, AGRI 550;
3. M.Sc. Thesis 1 PLNT 664;
4. M.Sc. Thesis 2 PLNT 665;
5. M.Sc. Thesis 3 PLNT 666;

- When in residence in Montreal, attendance at PLNT 665, PLNT 666, PLNT 690, PLNT 767 and PLNT 768; when in residence in Panama, participation at the STRI seminar series.
- Participation in the MSE-Panama Symposium Presentation in Montreal is also required.
- Additional courses may be required at the discretion of the candidate's supervisory committee.

Plant Science research programs normally require two years for completion.

Ph.D.

Students will follow the program of study established by their advisory committee. This program will consist of:

- Ph.D. comprehensive examination PLNT 701, which must be taken within 1 year of registering;
- Ph.D. Thesis 1 PLNT 766;
- Ph.D. Thesis 2 PLNT 767;
- Ph.D. Thesis 3 PLNT 768;
- Other courses deemed necessary for the chosen area of specialization.
- Attendance at all thesis progress and program reports (PLNT 665, PLNT 666, PLNT 767 and PLNT 768) and at invitational seminar (PLNT 690).

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

Ph.D. – Neotropical Environment

Students will follow the program of study established by their advisory committee. This program will consist of:

- Ph.D. comprehensive examination PLNT 701, which must be taken within 1 year of registering;
- Ph.D. Thesis 1 PLNT 766;
- Ph.D. Thesis 2 PLNT 767;
- Ph.D. Thesis 3 PLNT 768;
- Two required courses: ENVR 610 and BIOL 640;
- One course chosen from POLI 644, SOCI 565, ENVR 611, ENVR 612, ENVR 680, BIOL 553, BIOL 641, GEOG 498, AGRI 550;
- When in residence in Montreal, attendance at all thesis progress and program reports: PLNT 665, PLNT 666, PLNT 690, PLNT 767 and PLNT 768; when in residence in Panama, participation at the STRI seminar series.
- Participation in the MSE-Panama Symposium Presentation in Montreal is also required.
- Additional courses may be required at the discretion of the candidate's supervisory committee.

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

65.6 Courses for Higher Degrees

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

Please note the following course prefix changes:

AEMA has replaced 360 for Mathematics (A&ES).

CELL has replaced 356 for Genetics.

PLNT has replaced 367 for Plant Science.

The course credit weight is given in parentheses after the title.

- Denotes courses not offered in 2002-03

- **AEMA 611 EXPERIMENTAL DESIGNS.** (3) (3 lectures and 1 conference) (Prerequisite AEMA 310 or equivalent) (Given in alternate years)

AEMA 614 TEMPORAL AND SPATIAL STATISTICS. (3) (3 hours lectures) (Prerequisite: AEMA 310 or equivalent) (Given in alternate years) Temporal statistics: analysis in the time domain, Box-Jenkins forecasting methodology, analysis in the frequency domain; Spatial statistics: mapping, autocorrelation analysis, geostatistics; Statistical inference with autocorrelated sample data.

CELL 500 TECHNIQUES PLANT MOLECULAR GENETICS. (3) This two-week intensive course uses an experimental laboratory-based approach to provide basic training in the analysis of plant genes and gene products. Some of the techniques covered will include DNA purification, restriction analysis, cloning, hybridization and protein expression.

- **CELL 501 PLANT MOLECULAR BIOLOGY AND GENETICS.** (3)

- **PLNT 525 ADVANCED MICROPROPAGATION.** (3) (One 3-hour lecture)

- **PLNT 535 PLANT BREEDING.** (3) (Given in alternate years)

- **PLNT 600 PLANT-MICROBE INTERACTIONS.** (3) (3 hours)

- **PLNT 602 FORAGE CROP EXPERIMENTATION.** (3)

- **PLNT 603 POMOLOGY.** (3)

PLNT 604 VEGETABLE CROPS. (3) Discussion and reading assignments on the application of plant physiology and other sciences to the production of vegetable crops.

- **PLNT 614 ADVANCED PLANT BREEDING.** (3)

PLNT 619 CROP PHYSIOLOGY. (3) (3 hours conference) Growth and development of crops, with emphasis on canopy structure and arrangement, light interception, temperature, water and salt stress.

PLNT 622 BIOLOGICAL CONTROL OF WEEDS. (3) Directed reading and discussion on the use of plant-feeding organisms and disease to reduce the density of undesirable vegetation in favour of more useful plant species.

PLNT 623 BIOCHEMISTRY AND PHYSIOLOGY OF HERBICIDES. (3) Mechanisms of penetration, translocation, selectivity and modes of action of herbicides and their interactions with the environment.

PLNT 626 BIOCHEMISTRY AND PHYSIOLOGY OF PLANT LIPIDS. (3) (2 hours lectures) A detailed study of the current theories and models of the structure, biogenesis and function of plant membranes and lipids.

PLNT 628 PLANT NITROGEN FIXATION AND MYCORRHIZAE. (3) A detailed examination of the chemistry, biochemistry, anatomy, physiology, ecology and agricultural application of biological nitrogen fixation and mycorrhizal associations in higher plants.

PLNT 633 PLANT PATHOGENIC FUNGI. (3) Techniques to diagnose plant diseases based on culturing and identification of plant pathogenic fungi in the laboratory. Students will make a collection of fungi, and become familiar with monographs, host indices, taxonomic keys, and other literature for fungal identification.

PLNT 636 EPIDEMIOLOGY AND MANAGEMENT OF PLANT DISEASE. (3) Concepts and principles of plant disease epidemiology. Quantification of factors influencing epidemiological processes. Influence of host, pathogen and environmental factors on the rate of disease development. Disease forecasting and timing fungicide application. Management of crop diseases, including chemical and biological control. Immunological and molecular techniques to detect pathogens.

- **PLNT 637 CURRENT TOPICS IN FUNGAL GENETICS.** (3)

- **PLNT 639 EXPERIMENTAL TECHNIQUES IN FUNGAL GENETICS.** (3)

- **PLNT 641 ECOL SOILBORNE PLANT PATHOGENS.** (3)

PLNT 650 ADVANCED SYSTEMATIC BOTANY. (3) This course deals with the literature and philosophy of plant classification, processes

of speciation in higher plants, sources and interpretation of data, biosystematic methods and plant nomenclature.

PLNT 662 LABORATORY RESEARCH METHODS PLANT SCIENCE. (3) (3 hours lab) Physical and chemical methods applied to biology. Students are required to perform a formal project centered around the use of one or more instruments covered and provide a written and/or oral report of the project.

PLNT 664 M.Sc. THESIS 1. (12) Written and oral presentation of thesis proposal to the research supervisory committee.

PLNT 665 M.Sc. THESIS 2. (12) Oral presentation of a proposal to the department and progress report on the thesis research project to the supervisory committee.

PLNT 666 M.Sc. THESIS 3. (15) Preparation and submission of an acceptable thesis. Oral presentation of the thesis research to the department.

PLNT 670 SPECIAL TOPICS. (3) (2 hours seminar) This course is designed to develop seminar presentation skills in graduate students. The course consists of instruction on audio-visual preparation, speaking style, and organization of content, plus practice presentations by students.

● **PLNT 687 SEMINAR IN PLANT SCIENCE.** (3) (2 hours seminar)

PLNT 690 RESEARCH HORIZONS IN PLANT SCIENCE. (0) A series of seminars presented by invited speakers, staff and senior graduate students. The topics are selected to integrate the many fields of plant science.

May also be available as: PLNT 690D1, PLNT 690D2; PLNT 690N1, PLNT 690N2.

PLNT 691D1 RESEARCH HORIZONS IN PLANT SCIENCE. (0) (Students must also register for PLNT 691D2) (No credit will be given for this course unless both PLNT 691D1 and PLNT 691D2 are successfully completed in consecutive terms) A series of seminars presented by invited speakers, staff and senior graduate students. The topics are selected to integrate the many fields of plant science.

PLNT 691D2 RESEARCH HORIZONS IN PLANT SCIENCE. (0) (Prerequisite: PLNT 691D1) (No credit will be given for this course unless both PLNT 691D1 and PLNT 691D2 are successfully completed in consecutive terms) See PLNT 691D1 for course description.

May also be available as: PLNT 691N1, PLNT 691N2.

PLNT 693 PROJECT PROPOSAL. (6)

PLNT 694 PROJECT PROGRESS REPORT. (6)

PLNT 695 PROJECT. (6)

PLNT 701 DOCTORAL COMPREHENSIVE EXAMINATION. (0)

May also be available as: PLNT 701D1, PLNT 701D2; PLNT 701N1, PLNT 701N2.

PLNT 766 Ph.D. THESIS 1. (0) Written and oral presentation of thesis proposal to the research supervisory committee.

May also be available as: PLNT 766D1, PLNT 766D2.

PLNT 767 Ph.D. THESIS 2. (0) Oral presentation of a proposal to the Department and progress report on the thesis research project to the supervisory committee.

May also be available as: PLNT 767D1, PLNT 767D2.

PLNT 768 Ph.D. THESIS 3. (0) Preparation and submission of an appropriate final thesis. Oral presentation of the thesis research and thesis defense to the Faculty.

PLNT 770 SPECIAL TOPICS 2. (3) Prescribed reading, conference and practical work on selected topics in the student's area of specialization.

66 Political Science

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Website: <http://www.arts.mcgill.ca/programs/polisci>

Chair — Christopher Manfredi

Director of Graduate Program — Richard Schultz

66.1 Staff

Emeritus Professors

James Mallory; B.A., M.A.(UNB), LL.B.(Edin.), M.A.(Dal.)

Baldev Raj Nayar; B.A., M.A.(Punj.), M.A., Ph.D.(Chic.)

Professors

Mark R. Brawley; B.A., M.A., Ph.D.(Calif.) (*on leave 2002-03*)

Michael Brecher; B.A.(McG.), M.A., Ph.D.(Yale), F.R.S.C.

(*on leave winter 2003*)

Alain-G. Gagnon; B.A.(Que.), M.A.(S. Fraser), Ph.D.(Carl.)

(*on leave fall 2002*)

Elisabeth Gidengil; B.A.(Lond.), M.A.(N.Y.), Ph.D.(McG.)

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.) (*on leave 2002-03*)

Filippo Sabetti; B.A.(McM.), Ph.D.(Ind.)

Richard Schultz; B.A.(York), M.A.(Manc.), Ph.D.(York)

Harold M. Waller; M.S.(Northwestern), Ph.D.(Georgetown)

Associate Professors

Arun Agrawal; B.A.(Delhi), M.B.A.(Indian Inst. of Mgmt), M.A., Ph.D.(Duke)

Jerome H. Black; B.A.(Tor.), M.A.(Kent & Roch.), Ph.D.(Roch.)

(*on leave winter 2003*)

Rex Brynen; B.A.(Vic.,B.C.), M.A., Ph.D.(Calg.)

Barbara Haskel; A.M., Ph.D.(Harv.)

Antonia Maioni; M.A.(Carl.), Ph.D.(Northwestern) (*James McGill Professor*)

Hudson Meadwell; B.A.(Man.), M.A., Ph.D.(Duke)

Samuel J. Noumoff; B.A.(Clark), M.A., Ph.D.(N.Y.)

Philip Oxhorn; B.A.(Redlands), M.A.(Cant.), Ph.D.(Harv.)

Alan Patten; M.A., Ph.D.(Oxf.) (*William Dawson Scholar*)

Stephen Saideman; B.A.(Oberlin), M.A., Ph.D.(U.Cal., San Diego)

Narendra Subramanian; B.A.(Prin.), M.A., Ph.D.(M.I.T.) (*on leave 2002-03*)

Assistant Professors

Catherine Lu; Ph.D.(Tor.)

Stuart Soroka; B.A.(Queen's), M.A.(Carl.), Ph.D.(U.B.C.)

Dietlind Stolle; M.A.(Claremont), Ph.D.(Prin.)

66.2 Programs Offered

The Department offers programs leading to the M.A. (with or without thesis) and Ph.D. degrees. These programs combine depth of specialization in a particular field with breadth of knowledge in related fields. The staff offers courses and supervises research on most of the important areas of political science. Students may specialize in any of the following: Canadian Government and Politics; Comparative Politics of Developed or Developing Countries, Political Theory and International Relations.

The Department awards a number of teaching assistantships each year and students who are admitted to the graduate program are automatically considered for such an award. The announcements listing the positions expected to be available will be posted by October 15 for Winter Term courses and March 31 for Fall and Full Year courses.

Because this Calendar is prepared early in the year, changes may take place after it has been printed. Students are advised to

contact the Department Office for supplementary information which may be important to their choice of program.

66.3 Admission Requirements

All applicants, including those who have done their undergraduate work at McGill, must submit at least two letters of reference. Transcripts from all universities attended must be sent to the Department.

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. Students who have inadequate preparation in Political Science but are otherwise judged to be qualified are admitted to a qualifying year, in which they undertake advanced undergraduate work.

Ph.D.

Students holding a Master's degree in Political Science may be eligible for admission to the Ph.D. program. In some instances, students may be admitted directly into the Ph.D. program without having completed an MA degree. They will be considered Ph.D.1 and some previous political science course work could be applied to the requirements of the program, provided that it did not count towards any other degree.

GRE and TOEFL Exams

GRE results are required for applications to the Doctoral Program; this includes McGill Master's students applying to the Doctoral Program. GRE results are not required for students applying to the Master's Program or Qualifying term or year.

Non-Canadian students from countries where English is not the first language and who have not studied at a university in which teaching is conducted in English must submit TOEFL scores. A minimum score of 600 on the paper-based test (250 on the computer-based test) is required for admission. Files will not be considered unless TOEFL scores are received before the application deadline.

GRE information booklets and, when appropriate, TOEFL information booklets are included in the application package mailed to prospective students. For more information, consult the following websites: <http://www.gre.org> and <http://www.toefl.org>

66.4 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. original transcripts;
3. two letters of reference;
4. \$60 application fee;
5. test results: TOEFL (if applicable) and GRE (for Ph.D. applicants).
6. Personal statement (one page)
7. Sample of writing (Ph.D. only)

All applications should be submitted to the Graduate Coordinator in the Department of Political Science.

The normal deadline for applications for admission to the Department is January 31. Applications must be received by that time in order to guarantee the fullest consideration. Later applications will be considered up to April 15.

Commencing with applications for entry in January 2003, McGill's on-line application form will be available to all graduate program candidates at <http://www.mcgill.ca/applying/graduate>.

66.5 Program Requirements

Requirements for the M.A. Degree (45 credits)

Students may select Option A (Thesis Option) or Option B (Research Project Option) in completing M.A. degree requirements. Students may switch from one option to the other while completing their coursework.

In addition, the Department offers an M.A. Research Project Option in Social Statistics.

A. Thesis Option

There are two requirements:

1. Five one-semester courses (5 x 3 credits). Where special requirements of a student's area of concentration so warrant, the Director of Graduate Program may allow one of these courses to be taken at the upper undergraduate level. The substitution of one course outside Political Science in related disciplines may also be allowed if it is appropriate to the program.
2. A thesis to demonstrate proficiency in research. The thesis is normally about 100 pages long, and is subject to evaluation by one examiner internal to the Department and one examiner external to the Department.

B. Research Project Option

1. Seven one-semester courses (7 x 3 credits). Where special requirements of a student's area of concentration so warrant, the Director of Graduate Program may allow one of these courses to be taken at the upper undergraduate level. The substitution of up to two courses outside Political Science in related disciplines may also be allowed if appropriate to the program.
2. A research paper to demonstrate proficiency in research. The research paper 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.

For both of the above options, all students must take one of the following and preferably both:

- POLI 616 or POLI 617 or POLI 561
- OR POLI 612 or a suitable more advanced course.

M.A. Project Option in Social Statistics

The program complements disciplinary training with statistical research. Students will normally complete program course requirements, supplemented by further statistical courses, as advised by the Option advisor, and subject to approval by the Department.

Entrance to this option is by application to the Social Statistics Option Committee *subsequent to acceptance into the Department program*.

All students must take one of the following and preferably both:

- POLI 616 or POLI 617 or POLI 561
- OR POLI 612 or a suitable more advanced course.

In addition, students **MUST** take POLI 688 Research Seminar in Social Statistics (or equivalent).

Candidates for the M.A. degree follow a program approved on an individual basis by the Department. All students who wish to be considered for the Ph.D. program are evaluated on the basis of their M.A. program. Only a small number of students are permitted to go on for their doctorate and students currently enrolled in the M.A. program must formally re-apply for admission into the Ph.D. program. A pass for the M.A. degree does not necessarily imply permission to proceed to the doctorate.

Requirements for the Ph.D. Degree

Superior applicants, normally understood as students who are at least in the top 10 percent of their graduating class or who have a CPGA of at least 3.5 or its equivalent, will be eligible for admission into the Ph.D. track and receive a Ph.D. degree after successfully completing the requirements of the Ph.D. track. These are:

- A. Successful completion of 13 3-credit courses.
- B. Distribution of Courses:
 1. Two major fields in political science (satisfied by four courses and a written comprehensive examination in each field, as well as one integrated oral comprehensive examination covering both major fields).
 2. One minor field (satisfied by two courses). Minor fields can be in any one of the five fields offered by the Department. Students may also petition the Graduate Committee to ap-

prove as a minor some special combination of courses which is suitable to a particular student's planned course of study.

3. An additional 3-credit course in either of the student's major fields or minor field, according to what best meets the particular student's needs.
 4. Students are required to take one 700-level Ph.D. Research Seminar in each major field, as part of the four course requirement. In each of these 700-level seminars, students are expected to complete a paper which focuses on a clearly defined research problem and is comparable in scope to an article in a professional journal. The papers should demonstrate the student's familiarity with the relevant scholarly work and his/her ability to carry out research and organize the results of the research. Each paper will be evaluated by two faculty members in the Department.
 5. Methodology Requirements: All students are required to take at least one of the following POLI 616 or POLI 617 or POLI 561 and POLI 612 or a suitable more advanced course. Students who are given an exemption from a methodology course requirement because of course work completed prior to entering the M.A.-Ph.D. program will still be required to complete 13 3-credit courses.
- C. Advanced Research Tools: The Department feels that it is essential that its Ph.D. students demonstrate a high level of proficiency in one of the two principal research tools of modern political science: languages or quantitative methods. Language Requirement: Students must pass an advanced-level translation test from a language other than English. In selecting a language to fulfill this requirement, the student must demonstrate in writing how the chosen language is related to the research. Quantitative Methods: To fulfill this requirement, students must complete a course in advanced statistical methods. For additional information, students should consult the "Information Bulletin for Ph.D. Program".
- D. All students in the Ph.D. program are expected to take their written comprehensives and their oral comprehensive in the second semester of their third year in the program. Students are expected to have completed all of their required course work in their major and minor fields, as well as their methodology requirement (13 one-semester courses), by no later than the end of the first semester of their third year.
 - E. Students are expected to submit dissertation proposals by the end of the second semester of their third year in the program.
 - F. The student must write a doctoral dissertation which makes an original contribution to knowledge in the discipline.

Ph.D. – Neotropical Environment candidates who choose the Language Requirement referred to in item C above, must fulfill that requirement in Spanish. They must also include the following courses as part of their program: ENVR 610 and BIOL 640, and one of POLI 644, SOCI 565, ENVR 611, ENVR 612, ENVR 680, BIOL 553, BIOL 641, GEOG 498, AGRI 550;

Transfer students and students with Master's degrees from other universities: Transfer students will be treated as M.A. students who change tracks. Previous course work at the graduate level can be applied towards the requirements of the program, provided the Admission Committee is confident that the quality of such work is on par with McGill standards. Students transferring into the M.A.-Ph.D. track must fulfill a minimum residency requirement of two years, including a minimum of 6 courses and at least one 700-level Ph.D. research paper. All students will be required to pass the comprehensive written and oral exams.

66.6 Courses for Higher Degrees

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

Undergraduate Courses for Qualifying Program and Graduate Students When it is appropriate to their programs, graduate students may take an undergraduate course approved by the Director of Graduate Studies. These courses are listed in the Faculty of Arts section of the *Undergraduate Programs Calendar* and in the annual course list prepared by the Department in the fall.

NOTE: All undergraduate courses administered by the Faculty of Arts (courses at the 100- to 500-level) have limited enrolment.

POLI has replaced 160 as the prefix for Political Science courses. The course credit weight is given in parentheses after the title.

● Denotes courses not offered in 2002-03.

POLI 099 TEACHING METHODS. (3) This registration is available to graduate students at the M.A. or Ph.D. level who have satisfactorily completed work as a Teaching Assistant for at least a two-thirds appointment over the course of two semesters.

POLI 521 SEMINAR: CANADIAN POLITICS AND GOVERNMENT. (3) (Open to graduate students, final year Honours students, and other advanced undergraduates with the permission of the instructor) (Prerequisite: At least one 300 or 400-level course in Canadian Politics) Selected problems of Canadian socio-economic and political structures; political culture; constitutional development, and governmental structure. Topic for 2002-03: Feminist Legal Mobilization and the Charter.

POLI 522 SEMINAR: DEVELOPING AREAS. (3) (Prerequisite: At least one upper level course in the politics of developing areas) (Open to graduate students, final year Honours students, and other advanced undergraduates with the permission of the instructor) A research seminar dealing with experiences of various developing countries. Examines the intersections of visions of gender and community; the interactions between mobilization along gender and community lines; the gendered nature and cultural coding of various policy initiatives. Greater emphasis given to concerns and actions of women, and to visions of community based on religion and race. Students are expected to undertake a research project. Topic for 2002-03: Culture and Politics in the Third World.

POLI 524 SEMINAR: DEVELOPED AREAS. (3) (Prerequisite: At least one upper-level course in the politics of developed areas) (Open to graduate students, final year Honours students, and other advanced undergraduates with the permission of the instructor) Topic for 2002-03: Social Capital, Social Participation and Civil Engagement in Comparative Perspective.

POLI 561 SEMINAR: POLITICAL THEORY. (3) (Prerequisite: At least one upper level course in political philosophy) (Open to graduate students, final year Honours students, and other advanced undergraduates with the permission of the instructor) A topic in political philosophy such as democracy, liberty, property or nationalism, or a political philosopher, is studied to enable students to research a topic in depth, to present their papers to the seminar, and to engage in and profit from discussion and debate. Topic for 2002-03: Justice and Reconciliation.

POLI 575 SEMINAR: INTERNATIONAL POLITICS. (3) (Open to graduate students and final year Honours students only) A research seminar dealing with topics in the field of international politics. Topic for 2002-03: TBA.

POLI 599 INTERNSHIP: POLITICAL SCIENCE. (3) (Fall and Winter) (Open, with permission, to final year Honours and Joint Honours students, and graduate students. This course does not count as a 500-level seminar under the Honours requirements) The internship shall consist of a minimum of 150 hours of work over a period of 12 weeks, plus a major research project based on the internship. The major project will ordinarily consist of a major research paper, plus a substantial written record of the work conducted during the internship.

POLI 612 EMPIRICAL METHODS. (3) Fundamental principles of empirical research, in which the emphasis will be placed on acquainting the student with the techniques most commonly used by political scientists. The topics include the design of research projects, procedure in carrying out research, problems of measurement, survey research, scaling, data processing, and data analysis.

- **POLI 613 SELECTED THEMES: POLITICAL THEORY.** (3)

- **POLI 614 CLASSICAL POLITICAL THOUGHT.** (3)

POLI 615 CLASSICAL POLITICAL PHILOSOPHY & CONTEMPORARY INTERPRETATION. (3) An examination of the contemporary interpretation of the central political ideas deriving from classical antiquity. The work of the seminar consists of an examination and discussion of selected texts, followed by the presentation of papers by the participants.

- **POLI 616 MODERN POLITICAL ANALYSIS.** (3)

POLI 617 PROBLEMS IN POLITICAL THEORY. (3) An introduction to central normative issues in the study of politics. The seminar consists of lectures, oral presentations, discussion and research papers.

POLI 619 IMMIGRANTS/REFUGEES/MINORITIES. (3) A consideration of the different dimensions of politics associated with immigration and ethnoracial diversity. The course will emphasize the Canadian case in comparative perspective.

- **POLI 620 SOCIETY AND POLITICS IN CANADA.** (3)

POLI 621 INTERPRETING CANADIAN POLITICAL PROCESS. (3) Strategies for studying the Canadian political process. Pluralist, Marxist and state autonomist approaches for analysing the relative significance and inter-relationships of basic components of the Canadian political system. Although one purpose of the course is to survey the literature on individual topics, a broader purpose is to employ individual research strategies to develop conclusions about the nature, distribution, and exercise of power in Canada.

- **POLI 622 ADVANCED TOPICS CANADIAN POLITICS.** (3)

POLI 623 JUDICIAL POLITICS AND THE CONSTITUTION. (3) A research-oriented introduction to selected theoretical and empirical works on Canadian constitutionalism and judicial politics. The substantive focus of the course concerns the politics of constitutional change and the political impact of constitutional decisions by Canadian courts.

- **POLI 624 COLLECTIVE/RATIONAL CHOICE THEORY.** (3)

- **POLI 625 COMPARATIVE POLICY ANALYSIS.** (3)

- **POLI 626 PROBLEMS IN QUEBEC POLITICS.** (3)

- **POLI 627 ÉTUDES EMPIRIQUES DE LA SOCIÉTÉ QUÉBÉCOISE.** (3)

POLI 628 COMPARATIVE POLITICS. (3) An introduction for graduate students to the sub-discipline of comparative politics. The logic of comparative analysis as well as a number of alternative paradigms for analyzing and comparing political systems and processes.

- **POLI 629 TOPICS IN POST-SOVIET POLITICS.** (3)

- **POLI 630 TOPICS IN EUROPEAN POLITICS.** (3)

POLI 632 VOTING BEHAVIOR/PUBLIC OPINION. (3) A critical examination of major debates within the comparative literature on voting behavior and public opinion. The work discussed will draw primarily on research conducted in the United States, Canada and Western Europe.

POLI 635 THEORIES OF U.S. POLITICS. (3) A critical examination of some of the major theoretical analyses of U.S. politics. The course will focus on several key issues in the study of American political life, including distribution of power, the policy process, state and society, and bargaining and coalition building.

- **POLI 636 APPROCHES THEOR:POLITIQUE QUE.** (3) (This course will be conducted both in English and French; a reading knowledge and an ability to understand the two languages is recommended)

- **POLI 637 COMPARATIVE PUBLIC ADMINISTRATION.** (3)

POLI 639 POLITICS OF DEVELOPED AREAS. (3) A specific problem area in the Comparative Politics of Developed Areas. Topic for 2002-03: Social Change in Advanced Industrialized Democracies.

POLI 640 MIDDLE EAST POLITICS. (3) Examination of political and socio-economic development in the Middle East, with particular emphasis on the Arab world. Topics to be addressed include state formation and consolidation; Arab nationalism; civil society and state-society relations; the politics of Islam; petro-politics; the political economy of economic liberalization; and future patterns of political change.

POLI 641 POLITICAL CHANGE IN SOUTH ASIA. (3) This course examines major political and social changes in South Asia. Explores such topics as colonialism and nationalism; trends in mass mobilization and electoral politics; regime changes; economic policies and their impact; and conflicts over authority patterns, policy agendas, and national boundaries.

- **POLI 642 AFRICAN POLITICS.** (3)

- **POLI 644 TROPICAL ENVIRONMENTAL POLITICS.** (3) (Limited Course will only be offered if enrolment is five students or more. Enrolment in the Neotropical Environment Option (NEO) or permission of the instructor)

POLI 646 POLITICS OF DEVELOPING AREAS. (3) A specific problem area in the Comparative Politics of Developing Areas. Topic for 2002-03: African Politics.

POLI 647 POLITICAL DEVELOPMENT: NEW NATIONS. (3) Incorporation of subordinate groups into national systems in the developing countries of Africa, Asia, and Latin America. Specific topics include state formation, the emergence of civil society, modernization and dependency theories, alternative development models, democracy, authoritarianism, sustainable development and gender.

POLI 648 LATIN AMERICAN POLITICS. (3) This course explores changing patterns of social, economic and political relations in Latin America, especially at the level of civil society. It examines such topics as state formation, institutional development, regime transformation and the insertion of Latin American countries in both the international capitalist economy and the inter-state system.

POLI 649 MASS APPROACH POLITICAL DEVELOPMENT: CHINA. (3) The strategy of political and socio-economic development in contemporary China. Topics include: cultural and ideological foundations of socialization. The consequences of the disintegration of the USSR and the socialist countries of Europe, and the balance sheet of the post-1978 reform.

POLI 650 SEMINAR IN PEACEBUILDING. (3) An examination of transitions from civil war to peace, and the role of external actors (international organizations, bilateral donors, non-governmental organizations) in support of such transitions. Topics will include the dilemmas of humanitarian relief, peacekeeping operations, refugees, the demobilization of ex-combatants, transitional elections, and the politics of socio-economic reconstruction.

POLI 651 THE EU AND POLITICAL INTEGRATION. (3) Theories from both comparative and international politics will be drawn upon to analyze the development, politics, institutions and policies of the EU. The internal political economy and external relations of the EU will be analyzed.

- **POLI 660 STATE/SOCIETY NONDEMOCRATIC REGIMES.** (3)

- **POLI 670 ADVANCED TOPICS: INTERNATIONAL RELATIONS.** (3)

POLI 671 INTERNATIONAL RELATIONS THEORY. (3) This course is designed to give students a thorough background in the basic theories and models used in International Relations. It emphasizes breadth, in order to ground students in the variety of approaches employed in the field of international politics.

POLI 672 INTERNATIONAL POLITICAL ECONOMY. (3) For students in international and comparative politics, a course in IPE in two senses: 1) the use of the economic model of purposive behaviour to examine international phenomena; 2) the politics of global economic issues such as production, trade, finance, debt, technology transfer, economic coordination. Connections between domestic political economies and the IPE, alternative strategies of state adjustment to a changing IPE.

● **POLI 673 INTERNATIONAL POLITICS NORTH-SOUTH RELATIONS.** (3)

● **POLI 674 COMPARATIVE FOREIGN POLICY.** (3)

● **POLI 675 INTERNATIONAL SYSTEMS.** (3)

● **POLI 676 PSYCHOLOGY AND POLITICS.** (3)

POLI 677 INTERNATIONAL CRISIS, CONFLICT, WAR. (3) This seminar is designed to explore the literature on the concepts of international crisis, conflict and war. Discussions will focus on: research designs and methods; decision-making models; crisis/conflict management; bargaining in crisis; UN and superpower crisis intervention; deterrence and war prevention; theories of war; and polarity, war, crisis and stability.

POLI 678 STATE BEHAVIOUR. (3) Theoretical and empirical studies of decision-making, the policy-making process, and foreign policy behaviour. The capacity of each approach to explain and evaluate choice and behaviour will be assessed.

● **POLI 679 INTERNATIONAL SECURITY: CONFLICT AND CO-OPERATION.** (3)

POLI 688 SEMINAR ON SOCIAL STATISTICS. (3) Special topics on social statistics and presentations of ongoing research by students pursuing M.A. Option in Social Statistics in any of the participating disciplines.

POLI 690 READING IN POLITICAL SCIENCE. (3) A graduate student may take a one-term reading course per academic year in a particular field and under the supervision of a member of staff.

May also be available as:

POLI 690D1, POLI 690D2.

POLI 691 BIBLIOGRAPHIC METHODS 1. (6) Research-related skills and the production of a research bibliography.

POLI 692 BIBLIOGRAPHIC METHODS 2. (6) Advanced research-related skills and the production of a research bibliography.

POLI 693 M.A. RESEARCH PROPOSAL. (3)

POLI 694 RESEARCH PREPARATION 1. (3)

POLI 695 RESEARCH PREPARATION 2. (3)

POLI 696 RESEARCH PREPARATION 3. (3)

POLI 697 RESEARCH PREPARATION 4. (3)

POLI 698 MASTER'S THESIS SUBMISSION. (12) A thesis to demonstrate proficiency in research. The thesis is normally about 100 pages long, and is subject to evaluation by one examiner internal to the Department and one examiner external to the Department.

May also be available as:

POLI 698D1, POLI 698D2.

POLI 699 MASTER'S RESEARCH ESSAY. (6) The Master's research paper should explore a clearly defined problem, show familiarity with the most important work previously done in the field, and demonstrate the ability to carry out research, organize results and present them in good literary style. Normally the paper will flow out of a previous graduate seminar and will be approximately 50 pages in length.

May also be available as:

POLI 699D1, POLI 699D2.

POLI 701 PH.D. GENERAL WRITTEN EXAMINATION FIRST FIELD. (0)

POLI 702 PH.D. GENERAL WRITTEN EXAMINATION SECOND FIELD. (0)

POLI 715 ISSUES IN CONTEMPORARY POLITICAL PHILOSOPHY. (3) A research seminar on a philosophical debate which has developed around problems in contemporary political practice.

● **POLI 720 TOPICS IN CANADIAN POLITICAL ECONOMY.** (3)

● **POLI 725 CULTURAL DUALISM.** (3)

● **POLI 726 CANADIAN LEGISLATURES.** (3)

● **POLI 727 ÉTUDES EMPIRIQUE - SOCIÉTÉ QUÉBÉCOISE.** (3) (The seminar will be given both in French and English; a reading ability and understanding of both languages is required.)

POLI 728 RESEARCH SEMINAR IN COMPARATIVE POLITICS. (3) (Suggested prerequisites: POLI 612 and POLI 628) A considera-

tion of research on comparative politics in Western Europe and North America. Problems of research design and execution, the application of research methods, and the evaluation of findings. Selections from the literature will be examined critically.

● **POLI 729 SOVIET AND EASTERN EUROPEAN SYSTEMS.** (3)

● **POLI 731 POLITICAL IDEOLOGIES.** (3)

● **POLI 742 ECONOMIC AND POLITICAL DEVELOPMENT.** (3)

● **POLI 745 MACHINERY OF GOVERNMENT.** (3)

● **POLI 747 POLITICS OF DEVELOPING AREAS.** (3)

● **POLI 748 SOUTH ASIAN POLITICS.** (3)

● **POLI 771 INTERNATIONAL POLICY AND FOREIGN POLICY IN DEVELOPING WORLD.** (3) (Prerequisites: A graduate-level course in international relations or comparative politics/developing areas)

● **POLI 777 RESEARCH SEMINAR ON INTERNATIONAL CRISES.** (3)

● **POLI 778 RESEARCH SEMINAR - INTERNATIONAL POLITICS.** (3)

POLI 780 READING SEMINAR. (3) A research seminar on a topic that is not covered in the regular seminars, but which is of interest to a group of students and a faculty member. The exact topic for the research papers will be determined by mutual agreement among students and faculty members involved.

POLI 781 READING SEMINAR. (3) A research seminar on a topic that is not covered in the regular seminars, but which is of interest to a group of students and a faculty member. The exact topic for the research papers will be determined by mutual agreement among students and faculty members involved.

POLI 799 PH.D. ORAL COMPREHENSIVE EXAMINATION. (0)

67 Psychiatry

Department of Psychiatry
1033 Pine Avenue West
Montreal, QC H3A 1A1
Canada

Telephone: (514) 398-4176

Fax: (514) 398-4370

Email: msc.psychiatry@mcgill.ca or miriam.staudt@mcgill.ca

Website: <http://www.mcgill.ca/Psychiatry/mscprog.html>

Chair — J. Paris

Chair of Graduate Program — J. Rochford

67.1 Staff

Emeritus Professors

B.E. Murphy; M.D.(Tor.), Ph.D.(McG.)

T.L. Sourkes; M.Sc.(McG.), Ph.D.(C'neil)

Professors

F. Abbott; B.Sc.(Trent), M.Sc., Ph.D.(McG.)

L. Annable; B.Sc.(Liver.), Dipl. in Stat.(Edin.)

C. Benkelfat; M.D.(Rabat)

P. Boksa; B.Sc., Ph.D.(Montr.)

G. Chouinard; B.A., M.D.(Montr.), Dipl.Psych.(McG.)

C. de Montigny; B.A., M.D., Ph.D.(Montr.)

M. Dongier; M.D.(Aix-Marseille), Dipl.Psych.(McG.)

F.R. Ervin; B.S.(Texas), M.D.(Tulane)

S. Gauthier; B.A., M.D.(Montr.)

H.A. Guttman; M.D.(Geneva)

L.T. Hechtman; B.Sc., M.D., C.M.(McG.)

J. Henry; B.Sc.(Tor.), M.Sc., Ph.D.(W.Ont.)

L.J. Kirmayer; B.Sc., M.D., C.M., Dipl.Psych.(McG.)

S. Lal; M.B., B.S.(Lond.), Dipl.Psych.(McG.)

E.P. Lester; M.D. (Athens); Dipl.Psych.(McG.)

M.J. Meaney; B.A.(Loyola), M.A., Ph.D.(C'ndia.) (*James McGill Professor*)

K. Minde; M.D.(Munich), M.A.(Col.)

V.N.P. Nair; M.B., B.S.(Kerala), D.P.M.(Mys.)

J.C. Negrete; M.D.C.M., (Tucuman) Dipl.Psych.(McG.)

R. Palmour; B.A., Ph.D.(Texas)
 J. Paris; M.D.,C.M.(McG.)
 J.C. Perry; M.D.(Duke)
 G. Pinard; B.A.(Loyola), M.D., Dipl.Psych.(Montr.)
 J. Poirier; Ph.D.(Montr.)
 R. Quirion; B.Sc., M.Sc., Ph.D.(Sher.)
 J.J. Sigal; B.Sc., B.Ed.(Alta.), M.A., Ph.D.(Montr.)
 A. Young; B.A., M.A., Ph.D.(Penn.)
 S. Young; B.A.(Oxon.), M.Sc., Ph.D.(Lond.)

Associate Professors

E.E. Corin; Ph.D.(Louvain)
 G. Debonnel; M.D.(Lyon)
 B.O. Dubrovsky; M.D.(Buenos Aires)
 N. Frasure-Smith; B.A., Ph.D.(Johns H.)
 C. Gianoulakis; B.Sc.(Sir G.Wms.), Ph.D.(Rutgers)
 K. Gill; B.Sc.(Br.Col.), M.A., Ph.D.(C'dia)
 A. Gratton; Ph.D.(C'dia)
 S. King; M.Ed., Ph.D.(Va.)
 C. Mercier; B.A., M.Sc.(Laval), Ph.D.(Stras.)
 J. Rochford; M.A.(Queen's), Ph.D.(C'dia)
 L.K. Srivastava; B.Sc., M.Sc.(Allid.), Ph.D.(New Delhi)
 R. Tempier; M.D.(Aix-Marseille II)
 C.-D. Walker; B.Sc., Ph.D.(Geneva)
 M. Zoccolillo; B.Sc.(New Orleans), M.D.(Norfolk)

Assistant Professors

L. Beauclair; B.Sc., M.D.(Laval)
 P. Beaudry; M.D.(Sher.), Dipl.Psych.(McG.)
 S. Beaulieu; M.D./Ph.D.(Laval)
 D. Bloom; B.Sc.(Regina), M.D.(Queen's)
 D. Boivin; Ph.D(Montr.)
 D. Charney; M.D.,C.M.(McG.)
 J.B. Debrulle; M.D.(Paris), Ph.D.(U Pierre et Marie Curie)
 M. Elie; M.D.,C.M.(McG.)
 G. Galbaud du Fort; M.D., Ph.D.(Paris) (*joint appt. with
 Epidemiology and Biostatistics*)
 S. Kar; Ph.D.(Lond.)
 M. Leyton; Ph.D.(C'dia)
 S. Lupien; Ph.D.(Montr.)
 S. Williams; Ph.D.(Montr.)

Adjunct Professors

P. Blier; B.Sc.(Bishop's), M.Sc., Ph.D., M.D.(Montr.)
 L. Gaston; Ph.D.(Montr.)
 S. Welner; Ph.D.(McG.)

Associate Members

R.G. Barr; M.A.(Tor.), M.D., C.M.(McG.) (*Pediatrics*)
 R.O. Pihl; B.A.(Law.), M.A., Ph.D.(Ariz.) (*Psychology*)

67.2 Programs Offered

Master of Science (M.Sc.)

The M.Sc. program in Psychiatry is designed (1) to provide a mechanism for the training of medical scientists who intend to pursue a research career in psychiatry and (2) to provide a focus for basic science or social science students wishing to obtain advanced training in areas particularly relevant to psychiatric research. Students in this program receive no clinical training in psychiatry.

67.3 Admission Requirements

A B.Sc., B.A., B.N. or M.D. degree.

A strong background in science and/or social science, as demonstrated by academic achievement equivalent to a GPA of 3.0 (on a 4 point scale).

A written statement of purpose, describing the specific reasons for seeking a Master of Science degree in Psychiatry.

An outline of the proposed thesis research, to be written by the prospective student in collaboration with an appropriate research supervisor.

Two letters of reference.

Proficiency in written English or French.

67.4 Application Procedures

Applications will be considered upon receipt of:

1. a completed application form;
2. two official transcripts;
3. two letters of reference;
4. Cdn \$60.00 application fee;
5. written agreement from the proposed research supervisor, and student's statement of purpose

All information is to be submitted directly to the Graduate Secretary at the address above.

Deadlines:

January term:

September 1 (August 15 for international students)

Summer term:

February 1 (January 15 for international students)

September term:

May 1 (April 15 for international students)

Commencing with applications for entry in January 2003, McGill's on-line application form will be available to all graduate program candidates at <http://www.mcgill.ca/applying/graduate>.

67.5 Program Requirements

Formal coursework: The M.Sc. in Psychiatry requires 45 credits, of which 36 are Thesis Research and 9 are to be taken in graduate level courses approved by the student's Supervisory Committee. These courses are selected on the basis of the area of research interest and the background of the student, and shall include a course in statistical analysis, if this is not presented upon admission.

Original research. Each student shall complete an original investigation of a scope appropriate to the presentation of a Master's Thesis. This thesis will be reviewed by the Supervisory Committee prior to its submission to the Graduate and Postdoctoral Studies Office, and shall then be reviewed by external referees according to the usual regulations of the Graduate and Postdoctoral Studies Office.

Supervisory Committees. The M.Sc. in Psychiatry is administered by a the Graduate Training Committee, which meets with each student during the first term of residence to assign a Supervisory Committee composed of the research supervisor plus 2-4 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 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.

Residence. Three terms of full-time study. No part-time study allowed.

67.6 Courses

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

The course credit weight is given in parentheses after the title. Term(s) offered (Fall, Winter, Summer) may appear after the credit weight to indicate when a course would normally be taught. Please check the Class Schedule to confirm this information.

NOTE: All undergraduate courses administered by the Faculty of Science (courses at the 100- to 500-level) have limited enrolment. PSYT has replaced 555 as the prefix for Psychiatry courses.

PSYT 500 ADVANCES: NEUROBIOLOGY OF MENTAL DISORDERS. (3) (Winter) (3 hours) (Strongly recommended for M.Sc. students in Psychiatry.) Current theories on the neurobiological basis of most well known mental disorders (e.g. schizophrenia, depression, anxiety, dementia). Methods and strategies in research on genetic, physiological and biochemical factors in mental illness will be discussed. Discussion will also focus on the rationale for present treatment approaches and on promising new approaches.

PSYT 502 BRAIN EVOLUTION AND PSYCHIATRY. (3) (Fall) (Prerequisites: BIOL 115 or equivalent as authorized by instructor) The course will focus on the transcendental importance of evolution of nervous systems for normal and pathological behavior. Studies of allometric brain growth and recent evolutionary theories of brain organization as they relate to normal and abnormal behavior will be emphasized.

PSYT 610 DIPLOMA EVALUATION: WRITTEN. (0)

PSYT 611 DIPLOMA EVALUATION: ORAL. (0)

PSYT 630 STATISTICS FOR NEUROSCIENCES. (3) Statistics needed for analysing the types of data generated in a laboratory setting, with emphasis on the neurosciences, will be covered. Hypothesis testing, parametric and non-parametric statistics will be studied with a practical approach, using data generated by the students. Computer analysis will be introduced.

PSYT 691 THESIS RESEARCH 1. (12)

PSYT 692 THESIS RESEARCH 2. (12)

PSYT 693 THESIS RESEARCH 3. (12)

PSYT 696 SPECIAL TOPICS IN PSYCHIATRY. (3) Supervised reading and discussion of selected issues and topics in contemporary psychiatry. Students will be responsible for assigned readings and for preparation of a graded paper.

PSYT 711 CULTURAL PSYCHIATRY. (3) (Prerequisites: Knowledge of psychiatry and anthropology) Topics covered: cross-national epidemiological and ethnographic research of major and minor psychiatric disorders; culture-bound syndromes and idioms of distress; culture, emotion and social interaction; psychological and symbolic healing; mental health of immigrants and refugees; psychiatric theory and practice as cultural constructions; methods of cross-cultural research.

PSYT 713 SOCIAL AND EPIDEMIOLOGY PSYCHIATRY. (3) (Prerequisites: EPIB 606 or equivalent or permission of instructor.) An overview of the applications of epidemiology in psychiatry, including instruments and methods used in community studies; major recent population surveys of psychiatric disorders; study of treatment-seeking, pathways to care and use of services; interaction between psychological distress and physical health; methods used in specific populations; evaluation of treatment.

68 Psychology

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Website: <http://www.psych.mcgill.ca>

Chair — K.B.J. Franklin

68.1 Staff

Emeritus Professors

A.S. Bregman; M.A.(Tor.), Ph.D.(Yale)
V. Douglas; B.A.(Qu.), M.A., M.S.W., Ph.D.(Mich.)
W.E. Lambert; M.A.(Colgate), Ph.D.(N. Carolina), F.R.S.C.
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.)

Professors

F.E. Aboud; B.A.(Tor.), M.A., Ph.D.(McG.)
I.M. Binik; B.A.(N.Y.U.), M.A., Ph.D.(Penn.)
A. Chaudhuri; B.Sc., M.Sc.(Tor.), Ph.D.(U.C.Berk.) (*James McGill Professor*)
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.)
A.A.J. Marley; B.Sc.(Birm.), Ph.D.(Penn.)
J. Mogil; B.Sc.(Tor.), Ph.D.(U.C. LA)
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.)
M. Petrides; B.Sc., M.Sc.(Lond.), Ph.D.(Cantab.)
R.O. Pihl; B.A.(Lawrence), Ph.D.(Ariz.)
J.O. Ramsay; B.Ed.(Alta.), Ph.D.(Prin.)
B. Sherwin; B.A., M.A., Ph.D.(C'dia) (*James McGill Professor*)
T.R. Shultz; B.A.(Minn.), Ph.D.(Yale)
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.)
M. Baldwin; B.A.(Tor.), M.A., Ph.D.(Wat.)
D. Donderi; B.A., B.Sc.(Chic.), Ph.D.(C'nell.)
R. Koestner; B.A., Ph.D.(Roch)
J. Lydon; B.A.(Notre Dame), M.A., Ph.D.(Wat.)
M.J. Mendelson; B.Sc.(McG.), A.M., Ph.D.(Harv.)
G. O'Driscoll; B.A.(Wellesley), Ph.D.(Harv.) (*William Dawson Scholar*)

Assistant Professors

J. Abela; B.A.(Brown), M.A., Ph.D.(Penn.)
B. Knauper; Dr.phil.(Germany)
D.J. Levitin; A.B.(Stan.), M.S., Ph.D.(Oregon)
K. Nader; B.Sc., Ph.D.(Tor.)
D. Titone; B.A.(N.Y.), M.A., Ph.D.(SUNY at Binghamton)

Lecturers

N. Allard; R. Amsel

Associate Members

F. Abbott (*School of Nursing, Psychiatry*)
C. Baker, F.A.A. Kingdom, K. Mullen, R. Hess (*McGill Vision Research Centre*)
T. Coderre (*Anesthesia*)
M. Jones-Gotman, B. Milner, T. Paus, V. Sziklas, R. Zatorre (*Montreal Neurological Institute*)
H. Steiger (*Douglas Hospital Research Centre*)

Part-Time Appointments

I. Bradley; Ph.D.
 J. MacDougall; Ph.D.
 C. Schopflocher; M.A.
 Z. Rosberger; Ph.D.
 C. Zacchia; Ph.D.
 P. Zelazo; Ph.D.

Clinical Consultants

F. Cramer-Azima, S. Burstein, C. Garson, P. Gregoire,
 Z. Rosberger, D. Sookman, M. Spevack, H. Steiger, A. Surkis

68.2 Programs offered

M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a stage in the Ph.D. in Experimental Psychology program.

Ph.D. in Clinical Psychology (there is no M.A. or M.Sc. program).

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. Course work 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.

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 – working with children or adults in a hospital, clinical, or educational setting. Most of our clinical graduates combine service and research roles. While there are necessarily many more course requirements than in the experimental program, the emphasis is again on research training. There is no Masters program in Clinical Psychology; students are expected to complete the full program leading to a doctoral degree.

Research interests of members of the Psychology Department include animal learning, behavioural neuroscience, clinical, child development, cognitive science, health psychology, psychology of language, perception, quantitative psychology, social psychology, and personality psychology.

Facilities for advanced research in a variety of fields are available within the Department itself. In addition, arrangements exist with the Departments of Psychology at the Montreal Neurological Institute, Allan Memorial Institute, Douglas Hospital, Jewish General Hospital, Lakeshore General Hospital, Lethbridge Rehabilitation Centre, MacKay Centre, Montreal Children's Hospital and the Montreal General Hospital, to permit graduate students to undertake research in a hospital setting.

For full information about all programs and financial aid, and for application forms, contact the Graduate Program Co-ordinator, Department of Psychology.

Ph.D. Option in Language Acquisition (LAP)

Information about this option is available from the Department and on the following website: <http://www.psych.mcgill.ca/lap/html>.

68.3 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 semester 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 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.

68.4 Application Procedures

Applicants must submit to the Graduate Program Secretary in Psychology:

1. a completed application form;
2. two official copies and one photocopy of all university transcripts;
3. three letters of recommendation, preferably from professors of psychology;
4. a fee of \$60, in Canadian funds, by credit card, or certified cheque or money order made payable to McGill University;
5. a completed application summary sheet for the Psychology Department;
6. a personal statement with their full name outlining their interests in psychology and their career goals; and
7. official reports and a photocopy of scores on the General and Subject Graduate Record Examination (GRE).

All applicants must take the GRE if they have studied at an English speaking University. Canadians who have not studied in English are not required to submit either GRE or TOEFL. Non-Canadians whose first language is not English and who have not studied at university in English must take the Test of English as a Foreign Language (TOEFL). Canadian citizens are not required to take the TOEFL.

Applicants should note that the deadline for many scholarships and fellowships is about four months earlier than the application deadline and that applications for fellowships and scholarships should be submitted through their home university.

The application deadline is January 15th.

Commencing with applications for entry in January 2003, McGill's on-line application form will be available to all graduate program candidates at <http://www.mcgill.ca/applying/graduate>.

68.5 Program Requirements**Master's (M.A. and M.Sc. Degrees – 45 credits each)**

There is no M.A. or M.Sc. program in Clinical psychology. M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a stage in the Ph.D. program.

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. The primary concern of the candidate is research. Final standing for the degree is based mainly on the student's research progress and on the results of course work and other required assignments. All first year students, Experimental and Clinical must submit a General Comprehensive paper on a topic related to their research interests.

Ph.D.

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.

All Ph.D. 2 and 3 students must register for at least one graduate seminar each term (see course numbers PSYC 710 to PSYC 758); the seminars are conducted by different staff members each year and their content changes accordingly.

A special (doctoral) comprehensive examination is written in one of the following areas of psychology: clinical, behavioral neuroscience, learning and motivation, personality and social psychology, development and language, perception and cognition, quantitative and individual differences, or any other appropriate area.

Ph.D. students in clinical psychology must fulfill 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.

The Department of Psychology does not ordinarily require an examination in a foreign language. It should be noted, however, that all students planning to practice in clinical psychology in the province of Quebec will be examined on their proficiency in French before being admitted to the professional association.

68.6 Courses

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

Courses with numbers ending D1 and D2 are taught in two consecutive terms (most commonly Fall and Winter). Students must register for both the D1 and D2 components. No credit will be given unless both components (D1 and D2) are successfully completed in consecutive terms.

NOTE: All undergraduate courses administered by the Faculty of Science (courses at the 100- to 500-level) have limited enrolment.

PSYC has replaced 204 as the prefix for Psychology courses. The course credit weight is given in parentheses after the title.

- Denotes courses not offered in 2002-03

- **PSYC 503 COMPUTATIONAL PSYCHOLOGY.** (3)

PSYC 505 THE PSYCHOLOGY OF PAIN. (3) (Fall) (2 lectures; 1 conference) (Prerequisites: any two of the following: PSYC 308, PSYC 311, PSYC 318, PSYC 422, ANAT 321, BIOL 306, PHGY 314 or permission of instructor) An introduction to pain research and theory, with emphasis on the interactions of psychological, cultural and physiological factors in pain perception. The role of these factors in clinical pain and its management by pharmacological and non-pharmacological means will be discussed.

- **PSYC 510 STATISTICAL ANALYSIS OF TESTS.** (3) (3 lectures)
- **PSYC 511 INFANT COMPETENCE.** (3) (1, 3 hour seminar) (Prerequisites: PSYC 351 or PSYC 352 or PSYC 353 or PSYC 380 or PSYC 450 and permission of instructor)
- **PSYC 522 NEUROCHEMISTRY AND BEHAVIOUR.** (3) (2 lectures) (Prerequisites: any two of the following PSYC 308, PSYC 311, PSYC 318, ANAT 321, PHGY 314, BIOL 306) (Restrictions: Not open to students who have taken or are taking PHAR 562)
- **PSYC 526 ADVANCES IN VISUAL PERCEPTION.** (3) (Fall) (2 lectures) We examine in detail the structure of the visual system, and its function as reflected in the perceptual abilities and behaviour of the organism. Parallels are also drawn with other sensory systems to demonstrate general principles of sensory coding.
- **PSYC 528 VULNERABILITY TO DEPRESSION.** (3) (Prerequisite: PSYC 337 or PSYC 412 or permission of instructor. Requires departmental approval.)
- **PSYC 529 Music COGNITION.** (3) (Prerequisites: PSYC 212, PSYC 213, PSYC 204 (or equivalent))

- **PSYC 530 APPLIED TOPICS IN DEAFNESS.** (3) (Prerequisite: PSYC 340 or PSYC 316 or equivalent. Corequisite: PSYC 343 and permission of instructor)

- **PSYC 531 STRUCTURAL EQUATION MODELS.** (3) (one 2-hour lecture plus one lab) (Prerequisite: PSYC 435, PSYC 651, or equivalent, or permission of instructor)

PSYC 532 COGNITIVE SCIENCE. (3) (Fall) (Prerequisites: Admission to the Cognitive Science Minor or permission of instructor. Students should ideally have some cognitive science background in at least two disciplines) The multi-disciplinary study of intelligent systems. Problems in vision, memory, categorization, choice, problem solving, cognitive development, syntax, language acquisition, and rationality. Rule-based and connectionist approaches.

- **PSYC 533 INTERNATIONAL HEALTH PSYCHOLOGY.** (3) (Prerequisite: PSYC 305 and PSYC 215 or PSYC 429 or PSYC 304 or ANTH 227.)

- **PSYC 534 COMMUNITY PSYCHOLOGY.** (3) (Prerequisites: PSYC 337 and PSYC 338 or permission of instructor) (Open to Graduate students or U3 undergraduates in Psychology) (Enrolment limited)

- **PSYC 535 ADVANCED TOPICS IN SOCIAL PSYCHOLOGY.** (3) (Prerequisites: PSYC 215, PSYC 333 and one additional course from the social and personality area of specialization, or PSYC 380. Departmental permission required.) (Graduate Students, enrolment limited)

PSYC 536 CORRELATIONAL TECHNIQUES. (3) (Winter) (Prerequisites: PSYC 204 and PSYC 305 or their equivalents, and MATH 133 or equivalent. Requires departmental approval.) The statistical analysis of relations among a number of variables in situations common in psychology, ecology, and other fields. Methods include regression analysis, principal components analysis, and other techniques for modelling the structure of correlation matrices.

- **PSYC 561 METHODS: DEVELOPMENTAL PSYCHOLINGUISTICS.** (3) (3 hour lectures) (Prerequisites: PSYC 340, PSYC 343 and PSYC 305 or permission of instructor)

PSYC 601 MASTER'S COMPREHENSIVE. (6) Reference number for comprehensive examination written by all first-year graduate students.

May also be available as:
PSYC 601D1, PSYC 601D2.

- PSYC 615D1 DIAGNOSTIC METHODS (CHILDREN).** (1.5)
- PSYC 615D2 DIAGNOSTIC METHODS (CHILDREN).** (1.5)

- PSYC 616D1 PRACTICUM - CHILD DIAGNOSTICS.** (1.5)
- PSYC 616D2 PRACTICUM - CHILD DIAGNOSTICS.** (1.5)

- PSYC 617 DIAGNOSTIC METHODS (ADULTS).** (3)

May also be available as:
PSYC 617D1, PSYC 617D2.

- PSYC 618D1 PRACTICUM - ADULT DIAGNOSTICS.** (1.5)
- PSYC 618D2 PRACTICUM - ADULT DIAGNOSTICS.** (1.5)

PSYC 620D1 PRACTICUM IN PSYCHOTHERAPY. (3) A professional training course including dealing with patients under supervision, and a "case conference" seminar.

PSYC 620D2 PRACTICUM IN PSYCHOTHERAPY. (3)

- PSYC 625 RESEARCH: CLINICAL PSYCHOLOGY.** (3) (Summer)

May also be available as:
PSYC 625D1, PSYC 625D2.

PSYC 630 PSYCHOPATHOLOGY. (3) Review of major types of psychopathology with emphasis on research findings.

PSYC 641D1 BEHAVIOR DEVIATIONS. (3) Appraisal and Modification. Psychotherapy, Theory and Research: traditional treatment modalities, cognitive therapy, family therapy, behaviour therapy, group therapy, etc.

PSYC 641D2 BEHAVIOR DEVIATIONS. (3)

PSYC 650 ADVANCED STATISTICS 1. (3) A course in advanced statistics with specialization in experimental design.

PSYC 651 ADVANCED STATISTICS 2. (3) A course in advanced statistics with specialization in multivariate techniques.

PSYC 660D1 PSYCHOLOGY THEORY. (3) Professors representing the various research areas within the Department discuss critical issues and developments within their fields of expertise.

PSYC 660D2 PSYCHOLOGY THEORY. (3)

PSYC 690 MASTERS RESEARCH 1. (15) Development of research topic, study and review of previous literature, preliminary experimental and/or theoretical thesis research.

May also be available as:
PSYC 690D1, PSYC 690D2.

PSYC 699 MASTERS RESEARCH 2. (12) Continuation of PSYCH 690. Further experimental and/or theoretical research. Data analysis (as needed). Writing of thesis.

May also be available as:
PSYC 699D1, PSYC 699D2.

PSYC 701 DOCTORAL COMPREHENSIVE EXAMINATION. (6)

May also be available as:
PSYC 701D1, PSYC 701D2.

PSYC 706 CLINICAL PRACTICUM. (15)

May also be available as:
PSYC 706J1, PSYC 706J2, PSYC 706J3.

PSYC 707 CLINICAL INTERNSHIP 1. (15)

May also be available as:
PSYC 707D1, PSYC 707D2;
PSYC 707J1, PSYC 707J2, PSYC 707J3.

PSYC 708 CLINICAL INTERNSHIP 2. (15)

May also be available as:
PSYC 708D1, PSYC 708D2;
PSYC 708J1, PSYC 708J2, PSYC 708J3.

PSYC 709 LANGUAGE ACQUISITION ISSUES 1. (2)

PSYC 710 COMPAR&PHYSIOLOGICAL PSYCH.
TO PSYC 715 COMPAR&PHYSIOLOGICAL PSYCH. (3 credits each)

PSYC 716 LEARNING AND MOTIVATION.
TO PSYC 721 LEARNING AND MOTIVATION. (3 credits each)

PSYC 722 PERSONALITY AND SOCIAL PSYCHOLOGY.
TO PSYC 727 PERSONALITY AND SOCIAL PSYCHOLOGY. (3 credits each)

PSYC 728 CLINICAL PSYCHOLOGY.
TO PSYC 733 CLINICAL PSYCHOLOGY. (3 credits each)

PSYC 734 DEVELOPMENTAL PSYCHOLOGY AND LANGUAGE.
TO PSYC 739 DEVELOPMENTAL PSYCHOLOGY AND LANGUAGE. (3 credits each)

PSYC 740 PERCEPTION AND COGNITION.
TO PSYC 745 PERCEPTION AND COGNITION. (3 credits each)

PSYC 746 QUANTITATIVE AND INDIVIDUAL DIFFERENCES.
TO PSYC 751 QUANTITATIVE AND INDIVIDUAL DIFFERENCES. (3 credits each)

PSYC 752D1 PSYCHOTHERAPY AND BEHAVIOUR CHANGE. (3) A practice-oriented course. Staff and students discuss current cases being treated with a variety of psychotherapeutic and behavioural change techniques.

PSYC 752D2 PSYCHOTHERAPY AND BEHAVIOUR CHANGE. (3)

PSYC 753 HEALTH PSYCHOLOGY SEMINAR 1.
TO PSYC 758 HEALTH PSYCHOLOGY SEMINAR 6. (3 credits each)

PSYC 780 SPECIAL TOPICS IN CLINICAL PSYCHOLOGY. (6)

PSYC 797 TEACHING METHODS: PSYCHOLOGY 1. (3) Development of teaching skills for graduate students in psychology under the supervision of academic staff. Relevant skills: stating objectives and sequencing content; preparation and delivery of lectures; running discussion and laboratory sessions; techniques for preparing, marking and assessing evaluation instruments; obtaining feedback on teaching skills.

PSYC 798 TEACHING METHODS: PSYCHOLOGY 2. (3) Continuation of PSYC 797.

69 Quebec Studies/Études sur le Québec

Quebec Studies Program / Programme d'études sur le Québec
Peterson Hall, Room 314
3460 McTavish Street
Montreal, QC H3A 1X9
Canada

Telephone: (514) 398-3960

Fax: (514) 398-3959

Website: <http://www.arts.mcgill.ca/programs/qs>

Director — Alain-G. Gagnon; B.A.(Que.), M.A.(S. Fraser), Ph.D.(Carl.)

In 1963-64 McGill University established a French Canada Studies Program. Some of the energies and resources of the Program are devoted to research on Quebec and French Canada. In 1992, the name of the program was changed to Quebec Studies to reflect its central focus.

The program is offered at the undergraduate level. Should their main field of study be Quebec, graduate students must apply to the relevant departments.

Graduate students taking courses dealing in whole or in part with Quebec, or who are studying Quebec as their special field of study, are welcome to make use of the facilities of the Quebec Studies Program.

En 1963-64, le programme d'études canadiennes-françaises fut créé à l'Université McGill. En collaboration avec les autres départements de l'Université, le programme a notamment pour but de développer la recherche sur divers aspects du Québec et du Canada français. Depuis 1992, l'appellation du programme a été modifiée pour celle de programme d'études sur le Québec afin de refléter clairement les objectifs poursuivis.

Les activités du programme se concentrent au premier cycle. Les étudiants qui désirent poursuivre des études en vue de l'obtention d'une maîtrise ou d'un doctorat portant sur le Québec ou le Canada français doivent s'adresser aux départements concernés.

Les étudiants dont les cours portent, en tout ou en partie, sur le Canada français ou qui se spécialisent dans ce domaine, sont toutefois invités à se prévaloir des services du programme d'études sur le Québec.

70 Religious Studies

Faculty of Religious Studies
3520 University Street
Montreal, QC H3A 2A7
Canada

Telephone: (514) 398-4121

Fax: (514) 398-6665

Website: <http://www.mcgill.ca/religion>

Dean, Faculty of Religious Studies — B. Barry Levy

70.1 Staff

Emeritus Professors

G.B. Baum; B.A.(McM.), M.A.(Ohio), D.Th.(Fribourg)
D.J. Hall; B.A.(W.Ont.), M.Div., S.T.M., Th.D.(U.T.S., N.Y.),
D.D.(Queen's), 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.(Mtl. Dio.Coll.), D.D. (Knox, Tor.)

Post - Retirement

R.C.Culley; B.A.(Tor.), B.D.(Knox, Tor.), M.A., Ph.D.(Tor.),
D.D.(Mtl. Dio.Coll.)

Professors

M. Boutin; B.A., B.A., B.A., (Montr.), D.Th. (Munich)
(*J.W. McConnell Professor of Philosophy of Religion*)
B. Barry Levy; B.A., M.A., B.R.E.(Yeshiva), Ph.D.(N.Y.U.)

A. Sharma; B.A.(Alld.), M.A.(Syr.), M.T.S., Ph.D.(Harv.) (*Henry Birks Professor of Comparative Religion*)
 F. Wisse; Ing.(Utrecht), B.A., B.D.(Calvin, Mich.), Ph.D.(Claremont)
 K.K. Young; B.A.(Vt.), M.A.(Chic.), Ph.D.(McG.) (*James McGill Professor*)

Associate Professors

D.B. Farrow; B.R.E.(Providence), M.Div.(Grace), M.Th.(Regent), Ph.D.(Lond.)
 R.P. Hayes; B.A.(Carl.), M.A., Ph.D.(Tor.)
 I.H. Henderson; B.A.(Man.), B.D.(St. Andrews), M.A.(McM.), D.Phil.(Oxon.)
 G.V. Hori; B.A.(York), M.A.(Tor.), Ph.D.(Stan.)
 T. Kirby; B.A.(King's, Halifax); M.A.(Dal.); D.Phil.(Oxon.)
 P.G. Kirkpatrick; B.A.(McG.), M.Th.(Lond.), D.Phil.(Oxon.)
 G.S. Oegema; B.A., Th.D.(Free, Amsterdam); M.A., Ph.D.(Fretz Berlin)

Assistant Professor

L.H. Sideris; B.A., M.A., Ph.D.(Indiana) (joint appt. with MSE)

Associate Member

L. Turner; B.A.(Winn.), M.A.(Manit.), M.A., Ph.D.(Southern Calif.)

70.2 Programs Offered

The Faculty of Religious Studies offers programs leading to the degrees of Master of Sacred Theology (S.T.M.), Master of Arts (M.A.) (thesis) and (non-thesis), and Doctor of Philosophy (Ph.D.).

The purpose of the M.A. (thesis) degree is to encourage advanced study and research in one of the disciplines of religious studies (see below) 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 Biomedical Ethics Unit, see section 10.

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.

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. The S.T.M. program is fully accredited by the Association of Theological Schools in the U.S. and Canada.

The purpose of the Ph.D. program is to engage students in advanced academic studies normally in preparation for an academic career.

Adequate library facilities are available in the William and Henry Birks Building and elsewhere in the University for the courses listed, and for research.

Specializations are offered in the following disciplines:

Hebrew Bible and Old Testament Studies; New Testament Studies; Church History; Christian Theology; Philosophy of Religion; Religious Ethics; Hinduism; Buddhism.

The M.A. (thesis) with specialization in Bioethics is offered in conjunction with the Biomedical Ethics Unit.

70.3 Admission Requirements

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

Applicants must possess a B.A. with a Major or Honours in Religious Studies or a Bachelor of Theology (B.Th.), or a Master of Divinity (M.Div.) degree, normally with a minimum CGPA of 3.3/4.0 (B+) from an accredited university or college. Applicants with less than 30 appropriate credits in Religious Studies or Theology are normally required to take a Qualifying Program before entering the M.A.

Master of Arts (M.A.) (thesis) in Religious Studies with specialization in Bioethics – for information contact the Chair, Master's Specialization in Bioethics, Biomedical Ethics Unit, 3690 Peel Street, Montreal, QC, H3A 1W9. Telephone: (514) 398-6980; Fax: (514) 398-8349; Email: Glass_K@falaw.lan.mcgill.ca

Master of Arts (M.A.) (non-thesis)

Applicants must possess a B.A. with a Major or Honours in Religious Studies or a Bachelor of Theology (B.Th.), or a Master of Divinity (M.Div.) degree, normally with a minimum CGPA of 3.3/4.0 (B+) from an accredited university or college. Applicants with less than 30 appropriate credits in Religious Studies or Theology are normally required to take a Qualifying Program before entering the M.A.

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

Applicants must possess a B.A., normally with at least a good second class standing (B+ or CGPA 3.3/4.0), in a major or honours program in religious studies or theology from an accredited university or college. Those who have a McGill B.Th. or an equivalent degree in addition to a B.A. degree with a second class standing may be admitted to the second year of the S.T.M. program.

Doctor of Philosophy (Ph.D.)

Entry into the doctoral program is limited to applicants who have earned an academic Master's degree in Religious Studies or Theology in a recognized graduate program, or those who have finished the course requirements of such a program, with a minimum CGPA of 3.5/4.0 (A-).

Advanced standing (Ph.D. 2) may be granted if the completed Master's level work is in the same area as that of the intended doctoral specialization and involved not less than six (6) courses (18 credits).

It is recommended that French and/or German be included in the bachelor's or master's work preceding doctoral study.

Applicants for doctoral programs are requested to submit a substantial sample of their scholarly writing (15-20 pages) with their applications. The application should specify one of the specializations listed in section 70.2

70.4 Application Procedures

Application forms for admission should be obtained from and submitted to the Graduate Admissions Office of the Faculty of Religious Studies.

The following items must be submitted before the application can be considered by the Faculty's Graduate Admissions Committee:

1. application form;
2. \$60 Application fee (credit card, certified cheque or money order);
3. two copies of the official transcripts of all post-secondary courses taken and degrees completed;
4. two academic letters of recommendation addressed to the Chair of the Graduate Admissions committee;
5. a statement of intent of approximately 500 words;
6. a sample of recent academic writing;
7. non-Canadian applicants whose mother tongue is not English are required to submit documented proof of competency in oral and written English, e.g. TOEFL (Test of English as a Foreign Language) with a minimum score of 577 on the paper-based test (233 on the computer-based test).

The application deadline for September admission is February 1 for funding consideration and March 1 for general admission. The deadline for January admission is November 1.

Commencing with applications for entry in January 2003, McGill's on-line application form will be available to all graduate program candidates at <http://www.mcgill.ca/applying/graduate>.

70.5 Program Requirements

Language Requirements

The Faculty of Religious Studies offers courses in primary text source languages, such as Biblical Hebrew, Aramaic, Biblical Greek, Coptic, 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 twelve 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.

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.

MASTER OF ARTS (M.A.) (thesis) (48 credits)

The normal residence requirement is three semesters of full-time resident study. Students may apply to do the third semester during the summer of their first year. Students may also register on a half-time basis.

Candidates are required to complete satisfactorily a minimum of six, one-term courses (18 credits) and write a thesis (30 credits) embodying the results of their research. The minimum pass mark in courses is B- for M.A. students.

Research may be undertaken in the areas of specialization listed in section 70.2.

All students must consult with an adviser in the chosen area of study for selection of courses before registration.

Candidates who have studied only one major religious tradition before entering the M.A. program should do some course work in another major religious tradition. It may prove appropriate for a student to take one or more graduate seminars in other McGill Departments, e.g., in Jewish Studies, Classics, Philosophy, East Asian Studies, Islamic Studies, etc. Access is also possible to courses in the other universities in Montreal.

For language requirements, see above.

A thesis proposal (approved by the supervisor) must be submitted to the Graduate Committee for approval.

The dissertation may be submitted at the end of the third term provided all course work and language requirements have been successfully completed. Candidates must complete the degree within three years of initial full-time registration. A maximum one year extension may be granted.

Master of Arts (M.A.) (thesis) in Religious Studies with specialization In Bioethics

The curriculum is composed of required courses (for 6 credits) offered in the Biomedical Ethics Unit, bioethics courses (3 credit minimum) offered by the base faculty or department and any graduate courses required or accepted by a base faculty for the granting of a Master's degree, for a total of 18 to 21 credits. A minimum of 45 credits is required including the thesis.

Registration Requirements: Depending upon the requirements of the base discipline, a minimum of three terms is required for completion of the program, including course work and thesis.

Thesis Supervision: Thesis supervision for students in the specialization is provided by a participating faculty member in the program. Those students whose supervisors are not appointed to a

student's base discipline will have a co-supervisor appointed from the base discipline. Thesis examination will be conducted according to the base discipline norms.

Required Courses – Biomedical Ethics Unit (6 credits)

BIOE 680 (3) Bioethics Theory
BIOE 681 (3) Bioethics Practicum

Required Course – for students based in the Faculty of Religious Studies (3 credits)

RELG 571 (3) Bioethics and World Religions

Complementary Courses (12 credits)

A graduate seminar (3 credits) in ethics offered in the Faculty of Religious Studies.

The remaining credits are to be taken in any graduate courses required or accepted by the base faculty for the granting of a Master's degree

Thesis Component – Required (24 credits)

BIOE 690 (3) Thesis Literature Survey
BIOE 691 (3) Thesis Research Proposal
BIOE 692 (6) Thesis Research Progress Report
BIOE 693 (12) Thesis

MASTER OF ARTS (M.A.) (non-thesis) (45 credits)

The normal residence requirement is three semesters of full-time resident study. Students may apply to do the third semester during the summer of their first year. Students may also register on a part-time basis.

The program requires completing a total of 45 credits taken at the 500 and 600 level. The student is required to take 36 credits in course work, normally by taking four courses per semester for three semesters. The minimum pass mark in courses is B- for M.A. students.

For language requirements, see above.

All students must consult with a faculty adviser for selection of courses before registration.

The remaining 9 credits are to be earned by writing three research papers, each based on a reading list. Of these papers, one is to be in one specific religious tradition, a second in another religious tradition different from the first, and the third in methods used in the comparative study of religions. Each of these papers is worth three credits and each is graded on a PASS/FAIL basis.

MASTER OF SACRED THEOLOGY (S.T.M.) (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, 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 Joint Board of Theological Colleges affiliated with the Faculty of Religious Studies.

Candidates are required to complete satisfactorily twelve one-term courses (36 credits) and pass four Area Studies courses (12 credits) chosen from the following areas:

- 1) Biblical Theology (RELG 520);
- 2) Church History (RELG 530);
- 3) Christian Theology (RELG 531);
- 4) Philosophy of Religion (RELG 540);
- 5) Theological Ethics (RELG 541);
- 6) Comparative Religion (RELG 550).

Normally six 3-credit courses and two Area Studies courses shall be taken in each academic session. The pass mark in courses is B- for S.T.M. students. Normally graduate courses should be chosen from at least four different specialty areas in Religious Studies. Applicants who are admitted directly into S.T.M. 2 are required to complete six one-term courses (18 credits) and two Area Studies (6 credits).

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 the Religious Studies Graduate Committee.

Courses are offered by the Department in the areas of specialization listed in section 70.2.

Related courses are also available in other departments.

For language requirements, see above.

DOCTOR OF PHILOSOPHY (PH.D.)

Residency for a candidate admitted to Ph.D. I is 3 consecutive years (6 terms) of full-time study and research. Half-time study may be permitted upon request. Residency for candidates admitted to Ph.D. II is 2 consecutive years (4 terms).

Candidates admitted to Ph.D. 1 take a minimum 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.

Supervision: One of the professors in the area of specialization acts as program adviser of each candidate in that area until a thesis supervisor is selected. Candidates must meet with their adviser or supervisor prior to registration to select their courses and to obtain advice concerning the requirements they are obliged to meet (e.g. courses, modern languages, ancient languages, and comprehensive examinations). A thesis proposal (approved by the supervisor) must be submitted to the Religious Studies Graduate committee for approval by the time the course work is finished, or as soon as possible afterwards. The candidate is expected to be present for the discussion of the proposal. The thesis should be submitted no later than the Ph.D. 7 year. Further registration will not be allowed after Ph.D. 7 without prior approval of the Faculty of Religious Studies and the Graduate and Postdoctoral Studies Office.

Comprehensive Examinations These examinations are designed to ensure that candidates are adequately prepared to undertake the research required for a doctoral thesis and to teach university level courses in their chosen field. They are meant to test students' competence in: 1) their chosen field, 2) one or two cognate areas. The latter are areas related to the chosen field and are to be determined by the supervisor in consultation with the candidate. Comprehensives may take the form of a written examination, a major essay, a project, an oral examination, or a combination of these.

Doctoral Colloquium (Doktorklub) 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.

70.6 Courses Offered

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

Courses with numbers ending D1 and D2 are taught in two consecutive terms (most commonly Fall and Winter). Students must register for both the D1 and D2 components. No credit will be given unless both components (D1 and D2) are successfully completed in consecutive terms.

The course credit weight is given in parentheses after the title. Term(s) offered (Fall, Winter, Summer) may appear after the credit weight to indicate when a course would normally be taught. Please check the Class Schedule to confirm this information.

NOTE: All undergraduate courses administered by the Faculty of Arts (courses at the 100- to 500-level) have limited enrolment.

RELG has replaced 260 as the prefix for Religious Studies courses.

● Denotes courses not offered in 2002-03

AREA A (BIBLICAL)

RELG 520 BIBLICAL THEOLOGY. (3) (Fall and Winter) (Limited to S.T.M. students.) Tutorials and guided reading in the field of Biblical Theology.

● **RELG 601 STUDIES: BIBLICAL APOCALYPTIC.** (3)

RELG 604 FORMATION: POST-EXILIC JUDAISM. (3) An examination of Exilic and post-Exilic biblical materials (in English) that throw light on the cultural milieu and the historical experience out of which rabbinic Judaism arose.

● **RELG 605 INTERPRETERS OF RELIGION AND FAITH OF ANCIENT ISRAEL.** (3)

● **RELG 606 STUDIES IN BIBLICAL POETRY.** (3)

● **RELG 607 STUDIES: BIBLICAL NARRATIVE TRADITIONS.** (3)

● **RELG 611 PAULINE THEOLOGY.** (3)

RELG 613 THE MINISTRY OF JESUS. (3)

RELG 618 THE CHURCH IN THE NEW TESTAMENT. (3) A study of the history of the Early Church on the basis of the New Testament Writings.

JWST 510 JEWISH BIBLE INTERPRETATION 1. (3) (Not open to students who have taken JWST 512).

JWST 511 JEWISH BIBLE INTERPRETATION 2. (3) (Not open to students who have taken JWST 512)

AREA B (HISTORICAL AND THEOLOGICAL)

RELG 530 CHURCH HISTORY. (3) (Fall and Winter) Limited to S.T.M. students. Tutorials and guided reading in the field of church history.

RELG 531 CHRISTIAN THEOLOGY. (3) (Fall and Winter) Limited to S.T.M. studies. Tutorials and guided reading in the field of Christian Theology.

● **RELG 623 ECUMENICAL MOVEMENT.** (3)

● **RELG 625 CREEDS AND CONFESSIONS.** (3)

RELG 626 REFORMATION: SECULAR DIMENSIONS. (3) A study of major contributions to political theology from the late fifteenth to the mid-seventeenth centuries. This course will examine Reformation discourse on law and civil power and will aim to interpret the development of secularity in this period.

● **RELG 627 THE CHURCH IN CONFLICT.** (3)

● **RELG 630 THEOLOGICAL FOUNDATIONS.** (3)

RELG 631 THEOLOGY OF THE CROSS. (3) The tradition Luther called *Theologia Crucis* as an appropriate theological response to the experience of the dominant culture of this continent.

● **RELG 632 THE THOUGHT OF REINHOLD NIEBUHR.** (3)

RELG 633 THE THEOLOGY OF KARL BARTH. (3) Extensive reading and discussion of Part IV of the *Church Dogmatics* with special reference to Barth's Christology, doctrine of sin, ecclesiology, eschatology and doctrine of Christian life.

● **RELG 634 MOVEMENTS IN CONTEMPORARY THEOLOGY.** (3)

● **RELG 635 CHRISTOLOGY AND ECCLESIOLOGY.** (3)

● **RELG 636 THEOLOGICAL METHOD.** (3)

● **RELG 637 THEOLOGY OF NATURE.** (3)

● **RELG 639 FEMINIST THEORY AND THEOLOGY.** (3) (Prerequisite: RELG 320 and RELG 327 or RELG 333 and RELG 434 or equivalent)

● **RELG 683 RESEARCH IN CHRISTIAN THEOLOGY.** (3)

● **RELG 732 SEMINAR: REFORMATION THEOLOGY.** (3) (For doctoral students)

AREA C (RELIGION AND CULTURE)

RELG 540 PHILOSOPHY OF RELIGION. (3) (Fall) (Limited to S.T.M. students.) Tutorials and guided reading in the field of Philosophy of Religion.

● **RELG 541 THEOLOGICAL ETHICS.** (3) (Fall and Winter) (Limited to S.T.M. students.)

RELG 571 RELIGION AND MEDICINE. (3) (Winter) A study of the resources of major world religions (Judaism, Christianity, Islam, Hinduism, Buddhism, Taoism and Shinto) for thinking about ethical issues related to modern medicine, e.g., health, illness, suffering; new reproductive technologies; genetic engineering; euthanasia; palliative care; animal research; transplants.

RELG 641 MODERN PHILOSOPHY OF RELIGION. (3)

● **RELG 642 PHILOSOPHY OF RELIGION IN TWENTIETH CENTURY.** (3)

RELG 643 PROBLEMS: PHILOSOPHY OF RELIGION. (3)

● **RELG 671 ISSUES: CHRISTIAN SOCIAL RESPONSIBILITY.** (3)

RELG 672 VALUE SYSTEMS - CHRISTIAN PERSPECTIVE. (3)

● **RELG 673 INTERPRETERS OF CHRISTIAN VALUES.** (3)

● **RELG 684 RESEARCH IN PHILOSOPHY OF RELIGION 1.** (3)

RELG 745 MEANING AND INTERPRETATION. (3) (This course is available only to students in Ph.D. 2 or higher) An interdisciplinary seminar on hermeneutical problems.

AREA D (COMPARATIVE STUDY)

ISLA 531D1 SURVEY DEVELOPMENT OF ISLAMIC THOUGHT. (3)

ISLA 531D2 SURVEY DEVELOPMENT OF ISLAMIC THOUGHT. (3)

● **RELG 546 INDIAN PHILOSOPHY.** (3) (Prerequisites: 6 credits in Indian religions, philosophy of religion, philosophy, or permission of the instructor)

● **RELG 547 HINDU PHILOSOPHY 2.** (3) (Prerequisites: 6 credits in Indian religions, philosophy of religion, philosophy, or permission of the instructor)

● **RELG 548 INDIAN BUDDHIST PHILOSOPHY.** (3) (Prerequisites: RELG 252 or RELG 342 or permission of instructor)

● ★ **RELG 549 EAST ASIAN BUDDHIST PHILOSOPHY.** (3) (Prerequisites: RELG 253 and RELG 342 or RELG 344 or approval of instructor)

RELG 550 COMPARATIVE RELIGION. (3) (Fall and Winter) (Limited to S.T.M. students.) Tutorials and guided reading in the field of Comparative Religion.

RELG 552 ADVAITA VEDANTA. (3) (Fall) (Prerequisites: 6 credits in Indian religions) The relation of Nyaya-Vaisesika and Mimamsa to Kevaladvaita with concentration on Sankara's Brahmasutrabhasya, Pada 1 and 2.

RELG 553 RELIGIONS OF SOUTH INDIA 1. (3) (Winter) (Prerequisite: 6 credits in Indian religions) Topics include: definitions of Tamil identity, the relation of akam to bhakti poetry, the theology of the Alvars and Nayanmars, inter-religious and sectarian competition, the motif of pilgrimage, questions of caste and women.

● ★ **RELG 554 RELIGIONS OF SOUTH INDIA 2.** (3) (Prerequisite: RELG 553)

RELG 555 HONOURS SEMINAR. (3) (Winter) (For Religious Studies Honours students or with permission of the Chair of the Religious Studies B.A. Committee) Current trends in the study of religion, including the approaches of critical theory, feminism, post-modernism, and post-colonialism.

RELG 556 ISSUES IN BUDDHIST STUDIES. (3) (Winter) (Prerequisite: permission of instructor) A graduate seminar taught by the Numata Visiting Professor on critical issues in contemporary Buddhist Studies. Emphasis will be placed on the intensive application of different methods - philological, philosophical or social scientific - to some area of modern Buddhist research.

● **RELG 557 ASIAN ETHICAL SYSTEMS.** (3) (Prerequisites: RELG 252, RELG 253, or permission of instructor)

● **RELG 650 GENDER IN WORLD RELIGIONS.** (3) (Prerequisites: RELG 338 or RELG 339, or permission of the instructor)

RELG 651 INDIAN BUDDHIST EPISTEMOLOGY. (3) (Prerequisite: two years of Sanskrit or Pali, or permission of the instructor)

● **RELG 655 BUDDHIST EPISTEMOLOGY.** (3) (Prerequisite: RELG 651)

RELG 657D1 INTRODUCTORY SANSKRIT. (3)

RELG 657D2 INTRODUCTORY SANSKRIT. (3)

RELG 658 JAPANESE BUDDHIST PHILOSOPHY. (3) A close reading of the major texts of the Kyoto School.

RELG 751 TUTORIAL ON A SELECTED TOPIC. (3)

RELG 752 TUTORIAL ON A SELECTED TOPIC. (6)

SPECIAL STUDIES*

RELG 680 OLD TESTAMENT RESEARCH. (3)

RELG 681 RESEARCH IN NEW TESTAMENT. (3)

RELG 682 RESEARCH: HISTORY OF CHRISTIANITY. (3)

RELG 685 RESEARCH IN ETHICAL PROBLEMS. (3)

RELG 687 RESEARCH IN COMPARATIVE RELIGION 1. (3)

RELG 690D1 OLD TESTAMENT RESEARCH. (3)

RELG 690D2 OLD TESTAMENT RESEARCH. (3)

RELG 691 RESEARCH IN NEW TESTAMENT. (6)

May also be available as **RELG 691D1, RELG 691D2.**

RELG 692D1 RESEARCH: HISTORY OF CHRISTIANITY. (3)

RELG 692D2 RESEARCH: HISTORY OF CHRISTIANITY. (3)

RELG 693D1 RESEARCH IN CHRISTIAN THEOLOGY. (3) Theologies of Religious Pluralism.

RELG 693D2 RESEARCH IN CHRISTIAN THEOLOGY. (3)

RELG 694D1 RESEARCH IN PHILOSOPHY OF RELIGION 2. (3)

RELG 694D2 RESEARCH IN PHILOSOPHY OF RELIGION 2. (3)

RELG 695D1 RESEARCH IN ETHICAL PROBLEMS. (3)

RELG 695D2 RESEARCH IN ETHICAL PROBLEMS. (3)

M.A. RESEARCH (NON-THESIS)

RELG 660 M.A. RESEARCH PAPER 1. (3)

RELG 661 M.A. RESEARCH PAPER 2. (3)

RELG 662 M.A. RESEARCH PAPER 3. (3)

M.A. RESEARCH (THESIS)

RELG 688 THESIS RESEARCH 1. (3)

RELG 689 THESIS RESEARCH 2. (3)

RELG 698 THESIS RESEARCH 3. (12)

May also be available as: **RELG 698D1, RELG 698D2.**

RELG 699 THESIS RESEARCH 4. (12)

May also be available as: **RELG 699D1, RELG 699D2.**

RELG 657D1 INTRODUCTORY SANSKRIT. (3)

RELG 657D2 INTRODUCTORY SANSKRIT. (3)

RELG 697 RESEARCH IN COMPARATIVE RELIGION. (6)

RELG 701 COMPREHENSIVE EXAMINATION. (0)

May also be available as: **RELG 701D1, RELG 701D2.**

RELG 702 COMPREHENSIVE EXAMINATION. (0)

May also be available as: **RELG 702D1, RELG 702D2.**

RELG 703 COMPREHENSIVE EXAMINATION. (0)

May also be available as: **RELG 703D1, RELG 703D2.**

● **RELG 710 THE EPISTLE TO THE HEBREWS.** (3)

● **RELG 731 SEMINAR IN MEDIEVAL THEOLOGY.** (3)

71 Russian and Slavic Studies

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Graduate Director — Laura Beraha

71.1 Staff

Associate Professors

P.M. Austin; M.A.(C'neil), B.A., Ph.D.(Tor.)
L. Beraha; B.A., M.A., Ph.D.(McG.)
T. Patera; M.Sc.(Moscow), M.A., Ph.D.(McG.)

71.2 Programs Offered

Master's and Ph.D. in Russian.

Two fields of graduate work are recognized – Russian language and Russian literature respectively. However, due to the smaller size of the Department, it must be stressed that our specialties lie mostly in the area of Russian literature.

Ph.D. Language Tests

Ph.D. candidates in other departments who require Russian for research and in satisfaction of the language requirement should contact the Department for recommended courses.

71.3 Admission Requirements

The general rules of the Graduate and Postdoctoral Studies Office apply and are outlined in the General Information and Regulations section of the Calendar.

The minimum academic requirement is normally a high standing in Honours Russian. 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 knowledge of French is recommended for the Ph.D. program.

Any necessary preparation to fulfill these requirements will be offered within the Department or elsewhere at McGill. On a reciprocal basis certain graduate courses may be taken by arrangement at the Université de Montréal.

71.4 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. two certified copies of all university transcripts;
3. two letters of recommendation;
4. \$60 application fee;
5. test results (GRE (recommended); TOEFL required of all candidates whose mother tongue is not English and who have not completed an undergraduate degree using the English language);
6. a sample of written work.

All information must be submitted to the Graduate Coordinator, Department of Russian and Slavic Studies.

Deadline: March 1.

Commencing with applications for entry in January 2003, McGill's on-line application form will be available to all graduate program candidates at <http://www.mcgill.ca/applying/graduate>.

71.5 Program Requirements

Original research work and the scholarly qualities of the thesis are the principal criteria for conferring a graduate degree in Russian.

Master's

The M.A. requirements are 48 credits comprised of:
18 credits in graduate courses in Russian and Slavic Studies
30 credits in M.A. thesis courses:
RUSS 691 (6 credits); RUSS 692 (24 credits)

Ph.D.

Details of the requirements for the Ph.D. degree may be obtained by applying directly to the Graduate Coordinator.

71.6 Courses

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

Courses with numbers ending D1 and D2 are taught in two consecutive terms (most commonly Fall and Winter). Students must register for both the D1 and D2 components. No credit will be given unless both components (D1 and D2) are successfully completed in consecutive terms.

RUSS has replaced 141 as the prefix for Russian and Slavic Studies courses.

The course credit weight is given in parentheses after the title.

- Denotes courses not offered in 2002-03

RUSS 610D1 CHURCH SLAVONIC. (3)

RUSS 610D2 CHURCH SLAVONIC. (3)

RUSS 619 TOPICS IN LITERARY THEORY. (3)

RUSS 650D1 HISTORY OF THE RUSSIAN LANGUAGE. (3)

RUSS 650D2 HISTORY OF THE RUSSIAN LANGUAGE. (3)

RUSS 660D1 PRE-PETRINE RUSSIAN LITERATURE. (3)

RUSS 660D2 PRE-PETRINE RUSSIAN LITERATURE. (3)

RUSS 670D1 RUSSIAN LITERATURE OF 18TH CENTURY. (3)

RUSS 670D2 RUSSIAN LITERATURE OF 18TH CENTURY. (3)

RUSS 680D1 SEMINAR: SPECIAL AUTHORS - 19TH CENTURY. (3)

RUSS 680D2 SEMINAR: SPECIAL AUTHORS - 19TH CENTURY. (3)

RUSS 681D1 SEMINAR RUSSIAN ROMANTICISM. (3)

RUSS 681D2 SEMINAR RUSSIAN ROMANTICISM. (3)

RUSS 682D1 RUSSIAN MODERNISM. (3)

RUSS 682D2 RUSSIAN MODERNISM. (3)

RUSS 684 YURI TRIFONOV AND HIS TIMES. (3)

RUSS 685 NEW VOICES IN RUSSIAN POST-SOCIALIST. (3)

RUSS 690D1 DEVELOPMENT OF RUSSIAN LITERARY CRITICISM. (3)

RUSS 690D2 DEVELOPMENT OF RUSSIAN LITERARY CRITICISM. (3)

RUSS 691 M.A. THESIS PROPOSAL. (6)

May also be available as:

RUSS 691D1, RUSS 691D2;

RUSS 691N1, RUSS 691N2.

RUSS 692 M.A. THESIS. (24)

May also be available as:

RUSS 692D1, RUSS 692D2;

RUSS 692N1, RUSS 692N2.

RUSS 700D1 PH.D. PRELIMINARY EXAMINATION. (0)

RUSS 700D2 PH.D. PRELIMINARY EXAMINATION. (0)

RUSS 701D1 PH.D. COMPREHENSIVE EXAMINATION. (0)

RUSS 710D1 SEMINAR: PH.D. COMPREHENSIVE EXAMINATION. (3)

RUSS 710D2 SEMINAR: PH.D. COMPREHENSIVE EXAMINATION. (3)**RUSS 720D1 FIRST SEMINAR ON SPECIAL TOPICS. (3)****RUSS 720D2 FIRST SEMINAR ON SPECIAL TOPICS. (3)****RUSS 721D1 SECOND SEMINAR ON SPECIAL TOPICS. (3)****RUSS 721D2 SECOND SEMINAR ON SPECIAL TOPICS. (3)****RUSS 722D1 THIRD SEMINAR ON SPECIAL TOPICS. (3)****RUSS 722D2 THIRD SEMINAR ON SPECIAL TOPICS. (3)****RUSS 790D1 RUSSIAN LANGUAGE REQUIREMENT - PH.D. (0)****RUSS 790D2 RUSSIAN LANGUAGE REQUIREMENT - PH.D. (0)**

72 Social Studies of Medicine

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Chair — Allan Young

72.1 Staff*Professors*

Margaret Lock; B.Sc.(Leeds), M.A., Ph.D.(Calif.)

George Weisz; M.A., Ph.D.(SUNY), Dr. 3rd Cy(Paris) (*Cotton-Hannah Professor of the History of Medicine*)

Allan Young; M.A.(Wash.), B.A., Ph.D.(Penn.)

Associate Professors

Alberto Cambrosio; M.A.(Sher.), Ph.D.(Montr.)

Faith E. Wallis; M.A., M.L.S.(McG.), Ph.D.(Tor.)

72.2 Programs Offered

The Department (SSOM) offers graduate studies in three programs:

- one in medical anthropology, given jointly with the Department of Anthropology;
- one in medical history, given jointly with the Department of History; and
- one in medical sociology, given jointly with the Department of Sociology.

In each program, the student may work towards the M.A. and Ph.D. degrees. All degrees are awarded by the relevant Faculty of Arts department. For further information regarding those departments, please consult the Anthropology, History, or Sociology sections.

The Department (SSOM) is interdisciplinary, having faculty in the fields of medical anthropology, medical history, and medical sociology. In its programs of graduate studies, it attempts to provide two things: a training that is solidly grounded in the discipline of the chosen program, i.e. in anthropology, history or sociology; and, through seminars and interaction with Department members and other graduate students, an exposure to the other disciplines that are represented in the Department. The Department aims to instill in its graduates a combination of disciplinary competence and interdisciplinary perspective.

72.3 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.

72.4 Application Procedures**M.A. in Medical Anthropology**

Admission is granted by a joint admissions committee made up of representatives from Anthropology and SSOM.

For details concerning applications, teaching assistantships, fellowships, etc. see Department of Anthropology.

M.A. in the History of Medicine

Application is made directly to the History Department. For details see Department of History.

Besides applying for McGill Major Fellowships, students to this program may apply to the Hannah Institute for the History of Medicine. Note: The deadline is currently November 1, i.e., three months before the deadline for graduate faculty fellowships. Further details and applications may be obtained from SSOM.

M.A. in Medical Sociology

Admission is granted by a joint admissions committee made up of representatives from Sociology and SSOM. For details concerning applications, teaching, assistantships, fellowships, etc., see Department of Sociology.

Ph.D. Programs

Please refer to the appropriate Department – Anthropology, History, or Sociology.

Commencing with applications for entry in January 2003, McGill's on-line application form will be available to all graduate program candidates at <http://www.mcgill.ca/applying/graduate>.

72.5 Program Requirements**M.A. IN MEDICAL ANTHROPOLOGY**

With the medical anthropology program, candidates will apply for permission to take either of two courses of study, M.A. thesis or non-thesis.

For Anthropology courses, see Department of Anthropology. For SSOM seminars, see below.

a) M.A. in Medical Anthropology with thesis (48 credits)**Required Courses (42 credits)**

HSSM 605 (3) Seminar in Medical Anthropology

ANTH 615 (3) Seminar in Medical Anthropology

ANTH 694 (6) M.A. Thesis Tutorial

ANTH 695 (6) M.A. Thesis Tutorial

ANTH 699 (24) M.A. Thesis

Complementary Courses (6 credits)

Two Anthropology courses.

b) M.A. in Medical Anthropology, without thesis (45 credits)**Required Courses (45 credits)**

HSSM 605 (3) Seminar in Medical Anthropology

ANTH 615 (3) Seminar in Medical Anthropology

ANTH 602 (3) Theory 1

ANTH 609 (6) Proseminar

ANTH 611 (3) Research Design

ANTH 660 (3) Research Methods

ANTH 665 (3) Quantitative Methods in Anthropology

ANTH 685 (3) Research Tutorial 1

ANTH 686 (3) Research Tutorial 2

ANTH 696 (15) M.A. Research Paper

M.A. IN THE HISTORY OF MEDICINE

The M.A. degree in Medical History does not have a thesis option.

The program requires the completion of 48 credits, composed of three full-year graduate seminars, plus a major research paper, (30 credits) (HIST 691, HIST 692 in the first year and HIST 693, HIST 694 in the second year).

Graduate seminars offered in the History of Medicine include

HIST 619	(3)	Ancient Medicine Seminar 1
HIST 620	(3)	Ancient Medicine Seminar 2
HIST 636	(3)	Early Modern Medicine Seminar 1
HIST 637	(3)	Early Modern Medicine Seminar 2

For SSOM seminars, see below.

M.A. IN MEDICAL SOCIOLOGY

Students may choose between two programs: M.A. thesis or non-thesis.

For Sociology courses, see Department of Sociology. For SSOM seminars, see below.

M.A. in Medical Sociology (thesis) (48 credits)

This includes 18 credits of course work and a research thesis that is based on original research (30 credits)

Required Courses (12 credits)

SOCI 504	(3)	Seminar: Quantitative Methods 1
SOCI 540	(3)	Qualitative Research Methods
SOCI 580	(3)	Design and Practice of Social Research
SOCI 652	(3)	Current Sociological Theory

Complementary Courses (6 credits)

one of:

SOCI 515	(3)	Medicine and Society
SOCI 538	(3)	Selected Topics in the Sociology of Biomedical Knowledge

one course in the History of Medicine

Thesis Component – Required (30 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 695	(15)	M.A. Thesis 6

M.A. in Medical Sociology (non-thesis) (45 credits)

This includes 21 credits of course work and a research paper based on original research (24 credits).

Required Courses (12 credits)

SOCI 652	(3)	Current Sociological Theory
SOCI 580	(3)	Design and Practice of Social Research
SOCI 504	(3)	Seminar: Quantitative Methods I
SOCI 540	(3)	Qualitative Research Methods

Complementary Courses (9 credits)

one of:

SOCI 515	(3)	Medicine and Society
SOCI 538	(3)	Selected Topics in the Sociology of Biomedical Knowledge

two courses in the Social Studies of Medicine, one of which must be in the History of Medicine

Research Component – Required (24 credits)

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 698	(6)	Research Paper 3
SOCI 699	(12)	Research Paper 4

PH.D. PROGRAMS

For information on the doctoral programs, please refer to the appropriate Department – Anthropology, History, or Sociology.

72.6 SSOM Courses

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

HSSM has replaced 522 as the prefix for Social Studies of Medicine courses.

The course credit weight is given in parentheses after the title.

● Denotes courses not offered in 2002-03

- HSSM 603D1 MEDICINE IN 19TH AND 20TH CENTURY. (3)
- HSSM 603D2 MEDICINE IN 19TH AND 20TH CENTURY. (3)

HSSM 604 HISTORY OF MEDICINE. (3) Tutorial.

HSSM 605 MEDICAL ANTHROPOLOGY. (3)

HSSM 606 MEDICAL ANTHROPOLOGY TUTORIAL. (3)

HSSM 609 SOCIAL SCIENCES OF MEDICINE. (3) Tutorial.

HSSM 610 SOCIOLOGY OF MEDICINE. (3)

- HSSM 611 SOCIOLOGY OF BIOMEDICAL KNOWLEDGE. (3)

● HSSM 612D1 MEDICINE AND THE SCIENTIFIC REVOLUTION 1500-1700. (3)

● HSSM 612D2 MEDICINE AND THE SCIENTIFIC REVOLUTION 1500-1700. (3)

● HSSM 614D1 HISTORY OF MEDIEVAL MEDICINE. (3)

● HSSM 614D2 HISTORY OF MEDIEVAL MEDICINE. (3)

73 Social Work

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73.1 Staff*Emeritus Professor*

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Professors

Peter Leonard; B.Sc., M.Sc., Dipl. Mental Health(Lond.)

William Rowe; B.A.(Waterloo), M.S.W.(George Wms. Coll.), D.S.W.(Adelphi)

James Torczyner; B.H.L.(Yeshiva), M.S.W., D.S.W.(Calif.)

Barry Trute; B.A.(Sask.), M.S.W.(McG.), Ph.D.(Calif.) (*Philip S. Fisher Professor of Social Work*)

Associate Professors

Ben Zion Dalfen; B.A., M.S.W., Dip. Adv. Soc. Wk. Practice(McG.)

Linda Davies; B.S.W., M.S.W.(McG.), Ph.D.(N. Lond. Poly.)

Sydney Duder; B.Sc., M.S.W., Dipl. Adv. Soc. Wk. Practice, Ph.D.(McG.)

Estelle Hopmeyer; B.A., M.S.W.(McG.)

Carol Cumming Speirs; B.A.(Sir G.Wms.), M.S.W.(McG.)

Ingrid Thompson; B.A.(Sir G.Wms.), M.S.W.(McG.), Ph.D.(Cantab.)

Assistant Professors

Shari Brotman; B.S.W., M.S.W.(McG.), Ph.D.(Tor.)
 Lindsay John; B.A.(Guelph), M.S.W.(W. Laur.), M.Sc.(McM.),
 Ph.D.(Tor.)
 Julia Krane; B.A.(Ott.), B.S.W.(McG.), M.S.W., Ph.D.(Tor.)
 Lucyna Lach; B.A., M.S.W.(Tor.)
 Margaret-Ann Smith; B.A.(Montr.), M.S.W.(McG.)
 Samantha Wehbi; B.A.(York), M.S.W.(Tor.), Ph.D.(McG.)
 Robin Wright; B.A./B.S.W.(McM.), M.S.W., Ph.D.(Tor.)

Director of Field Education

Natalie Beauregard

73.2 Programs Offered

Master of Social Work, a Joint M.S.W. and Law degree, and a Ph.D. program offered jointly with Université de Montréal.

The McGill School of Social Work is a member of the International Association of Schools of Social Work, the Canadian Association of Schools of Social Work, and of the Rassemblement des Unités de Formation Universitaire en Travail Social du Québec.

The School of Social Work is a professional school whose primary objective is to prepare students for careers and for leadership in the fields of social work and social welfare.

M.S.W. Program

M.S.W. students should develop an understanding of the social theories which inform practice. The goal of the program is to educate students so that they may contribute not only to established social services but also to new and less developed areas of service provision. Through this degree students should develop critical and innovative approaches to practice competence and to policy analysis.

The global objective of the Master's program is the provision of advanced professional training by means of integrated learning experiences. At a more specific level, the educational goals are to develop:

1. deepened and advanced competence in practice and research;
2. a capacity for critical understanding of social theory, social problems and emergent issues, population groups in need, institutional structures, and policy initiatives and processes.

Joint Ph.D. Program in Social Work

The Schools of Social Work at the Universities of Montréal and McGill offer a third cycle joint program in social work and social policy.

Students are free to seek admission from either university. Students accepted into the program have access to the resources offered by both schools.

73.3 Admission Requirements**M.S.W. Program**

Students who have successfully completed a B.S.W., with a minimum B average (GPA 3.0/4.0), may be admitted to the Master of Social Work program. Normally they will have had professional experience in social service work, or related experience, subsequent to obtaining the B.S.W.

As a general rule, students admitted to the M.S.W. program will have completed course work in statistics and in research methods at the undergraduate level.

Joint M.S.W./Law Program

Students must apply separately for admission to each Faculty, specifying their interest in this joint degree. Students must meet or surpass the requirements for admission to both the M.S.W. program and to Law and must submit a brief statement explaining their interest in this joint program.

Joint Ph.D. Program

Students are free to seek admission to either McGill or the Université de Montréal. Students accepted into the program have access to the resources offered by both schools.

Applicants applying to the joint Ph.D. program must hold a Master's degree in social work or, exceptionally, a Bachelor's degree in social work with a Master's degree in a related subject from an accredited program. Candidates must be proficient in French and English to be able to understand teaching and class discussion in both languages and to carry out necessary reading.

Criteria considered in weighing applications include:

- 1) demonstrated intellectual ability and critical capacity;
- 2) relevant experience;
- 3) admissibility and quality of the student's project.

73.4 Application Procedures

Applications are available on-line by mid-September from the School of Social Work website. The deadline to apply is February 1.

Applications will be considered upon receipt of all required documents.

International applicants are required to submit documented proof of competency in English, e.g. TOEFL (Test of English as a Foreign Language) minimum score of 550 on the paper-based test (213 on the computer-based test) or an equivalent test. Applicants from the U.S.A. are exempt.

All documents must be submitted to the School of Social Work, attention: Ms. Lillian Iannone, Student Affairs Coordinator.

Commencing with applications for entry in January 2003, McGill's on-line application form will be available to all graduate program candidates at <http://www.mcgill.ca/applying/graduate>.

73.5 Program Requirements**MASTER OF SOCIAL WORK**

The M.S.W. is a second cycle of professional study in which students pursue programs at an advanced level, building upon their first professional degree (B.S.W.) and their subsequent practice experience.

Each student works out a study plan in consultation with her/his academic advisor in relation to the student's identified study goals. Broadly speaking, these include Child and Family Welfare, Health and Well-Being through the Life Cycle, and Community Development.

There are two options, practice (non-thesis, including a practicum and independent study project) and thesis (thesis, no practicum). 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 (see section on Duration and Time Limitations below).

M.S.W. (Non-Thesis Option) (45 credits)

This option is designed for students who are interested in developing skills in specialized practice and policy analysis. Requirements are:

A practicum (12 credits) (SWRK 650, SWRK 651 and SWRK 660). This permits the student to develop and demonstrate professional competence at an advanced level. (N.B. Students without the ability to use French may find their choice of placements restricted.)

Classroom work, eight courses (24 credits) normally selected from the list below. Students are required to take course SWRK 612 Knowledge, Values and Practice and one of the four research methods courses (SWRK 615, SWRK 633, SWRK 643, SWRK 653). Tutorials may be arranged to suit a student's learning priorities.

Research (9 credits). An independent study project (SWRK 690) culminating in a formal written report. This may take any one of a number of forms, for example a critical review of scholarship, or an empirical study involving collection of original data, either qualitative or quantitative.

M.S.W. (Thesis Option) (45 credits)

This option is designed for students who have strong research interests.

Requirements are a thesis (27 credits) (SWRK 698, SWRK 699), plus six courses (3 credits each). Field work is not

available in this option. Three courses are required:

SWRK 612 Knowledge, Values and Practice,
SWRK 643 Quantitative Research Methods,
and one of the following:
SWRK 615 Applied Clinical Research,
SWRK 633 Program Evaluation,
SWRK 653 Qualitative Research Methods.

or equivalent courses offered in other departments.

The remaining three courses may be any of the 500 or 600 level courses in the list below (except SWRK 650, SWRK 651, SWRK 660 or SWRK 690).

Courses taken outside of 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 fulfill the research requirement. All students must secure the approval of their academic advisor prior to registration for such courses.

Duration and Time Limitations

Taken on a full-time basis, both M.S.W. options involve three terms of study. The third term may optionally be taken in the summer, in which case the entire program may be completed in one calendar year.

In both options, part-time study can be arranged. In the thesis option, a student may register for half-time studies, in which case the program may be completed in six semesters. In the practice (non-thesis) option, students may arrange to register course by course, so that greater flexibility is possible. When residency requirements are complete, students may, if necessary, register for additional sessions for research advising only.

The Graduate and Postdoctoral Studies Office sets time limitations for students pursuing masters programs at McGill. Full-time students must complete the M.S.W. degree within three years of initial registration, and part-time students must complete the degree within five years of initial registration. Under certain exceptional conditions, an extension may be permitted. These conditions are described in the General Information section of the *Graduate and Postdoctoral Studies Calendar*.

JOINT DEGREE IN SOCIAL WORK AND LAW (M.S.W./B.C.L./L.L.B.)

The M.S.W. degree (non-thesis option) may also be taken in combination with law.

It is expected that students will complete the joint degree in three calendar years (rather than the four calendar years it would take to attain both degrees separately).

Students will take 116 course credits over the three calendar year period:

Eighty-seven (87) credits of Law courses;

Twenty-seven (27) credits will consist of regular Social Work courses (including a 12-credit practicum to be completed during the summer of the first or second year). Students in the joint Social Work/Law program are required to take course SWRK 612 Knowledge, Values and Practice, and one of the research methods courses.

Twelve (12) credits will consist of a major social work-law research paper to be jointly credited in both degree programs. The research paper is a key component of this joint degree proposal.

JOINT Ph.D. PROGRAM IN SOCIAL WORK

The Schools of Social Work at the Universities of Montreal and McGill have established a third cycle joint program in social work and social policy in order to respond to the pressing needs for professors, social policy analysts and researchers in Canada and Quebec. This bilingual program presents characteristics unique among Canadian doctoral programs in social work.

Specifically, this program aims to:

- 1) Prepare graduates for careers in university teaching and research, in policy development, in evaluation of practice, in intervention, consultation, or management of human services;
- 2) Permit students to acquire the ability to apply scientific methods of research to the study of normative, analytical, and methodological questions;
- 3) Stimulate original research on pressing social concerns; and
- 4) Facilitate exchanges among academics in a bilingual (French and English) and multicultural perspective.

Of particular value and importance is the opportunity for students to be exposed throughout their program to the multicultural and multiracial character of Montreal.

The program consists of 90 credits – 15 course credits (five 3-credit courses), and the remainder (75) for the comprehensive examination and the dissertation. Candidates needing additional knowledge of research methods may be required to take additional courses.

Duration of Program

Regulations of both universities will be interpreted in a flexible way in order to remain as equitable as possible for all students.

McGill Graduate and Postdoctoral Studies Regulations prescribe a minimum of two years' residence after the Master's degree for a doctoral degree.

73.6 Courses

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

SWRK has replaced 407 as the prefix for Social Work courses. The course credit weight is given in parentheses after the title.

● Denotes courses not offered in 2002-03

● **SWRK 530 SOCIAL PERSPECTIVES ON AGING 1.** (3)

● **SWRK 531 SOCIAL PERSPECTIVES ON AGING 2.** (3) (Summer) (School of Social Work: Limited to U3 and M.S.W. students)

SWRK 532 INTERNATIONAL SOCIAL WORK. (3) (Winter) (Limited to B.S.W. U3, Special B.S.W. and M.S.W. students) Discussion based upon intensive study and reports on problems in selected countries. Emphasis on identifying major social problems, understanding the social forces bearing on those problems and considering appropriate professional approaches to aid in their solution.

SWRK 539 CHRONIC AND TERMINAL ILLNESS. (3) (Winter) (Limited to B.S.W. U3, Special B.S.W. and M.S.W. students) A seminar to examine practice with persons living with chronic and terminal illnesses. Needs of families, caretakers, health care workers and the gay community are studied.

SWRK 600 PRACTICE WITH WOMEN AS MOTHERS. (3) This course will explore maternal subjectivity and its implications for clinical practice with mothers and families. We will examine how social work intervention has tended to reproduce traditional attitudes towards mothers and consider the development of alternative social relations in our practice with mothers.

SWRK 601 CONSTRUCTION OF SUBJECTIVITY. (3) This course will present a critical approach to understanding how personality is constructed within the major social relations of class, gender and race. Relevance to students' research and practice interests will be explored.

● **SWRK 604 CRITICAL ISSUES: SOCIAL POLICY.** (3)

SWRK 606 PRACTICE IN CHILD WELFARE. (3) Reflection on current practices in child welfare. An overview of contemporary theo-

retical frameworks and students' experiences in the field will form the basis of class discussion. Topics include: the construction of abuse and neglect; the risk ethos, families'/mothers' experiences of child welfare services; the reflective practitioner and resistance.

● **SWRK 607 SCHOOL SOCIAL SERVICES.** (3)

● **SWRK 608 SEMINAR IN CORRECTIONS.** (3)

SWRK 609 HEALTH AND SOCIAL WORK. (3) (Not open to students who have taken SWRK 354) An examination of major social work policy and practice issues bearing on health, including: ethics, legal issues, medicalization, health as an industry, uses of epidemiology and health economics. Practice questions will include crisis intervention, multidisciplinary teamwork in hospital settings, and emerging issues for social workers in health.

SWRK 610 FAMILY TREATMENT. (3) (Prerequisite: SWRK 622) An advanced seminar on techniques and practice of current therapies.

● **SWRK 611 SUBSTITUTE CARE: CHILD/ADOLESCENT.** (3)

SWRK 612 KNOWLEDGE, VALUES AND PRACTICE. (3) (Required course) Introduction of the current debate about the status of knowledge in the social sciences, especially issues of scientific objectivity, cultural differences and their implications for social work practice.

● **SWRK 615 APPLIED CLINICAL RESEARCH.** (3)

SWRK 622 FAMILY ASSESSMENT AND TREATMENT. (3) A seminar on current techniques of family diagnosis and therapy.

SWRK 623 COUPLE COUNSELLING. (3) Triadic perspective on couple counselling. Topics include: value issues; origins of intimate conflict; characteristics of troubled couples; presenting couple complaints; separation; treatment techniques: alliances, coalitions, hierarchies, third party positioning, neutrality, secrets, counsellor symmetry and power, resistance.

SWRK 624 COMMUNITY ORGANIZATION. (3) The aim of this course is to develop an understanding of the organizing process at the grass-roots level. Emphasis is placed upon community power and conflict, the development of organizing strategies and the application of such strategies in groups and movements dedicated to social change.

● **SWRK 625 PLANNING THEORY/SERVICE DELIVERY.** (3)

SWRK 627 SOCIAL WORK PRACTICE WITH GROUPS. (3) This seminar will explore topics related to social work practice with groups including concepts of race, culture, gender and sexual orientation; authority and empowerment, ethical issues in practice; work with hard to reach and involuntary populations; termination and evaluation. It will be concerned with both theoretical issues and intervention strategies.

SWRK 628 VIOLENCE AGAINST WOMEN. (3) Discussion of the psychological, social and political factors which create and maintain a society where male violence against the women they love occurs. A feminist theoretical perspective will be developed and analyzed. Treatment approaches will be considered focussing on interventional strategies to help both the battered and the batterers.

SWRK 631 SUPERVISION/MANAGEMENT. (3) Every human service organization is characterized by the need to manage people, information and resources. This course will provide an overview of the nature and function of these fundamental supervision and management processes.

SWRK 633 PROGRAM EVALUATION. (3) The theoretical and practical problems involved in evaluating the impact of social work services and social welfare programs. Topics include goal definition, comparison of experimental and non-experimental designs, data sources, qualitative and quantitative approaches, and outcome measures.

SWRK 635 ADVANCED CLINICAL PRACTICE. (3) Advanced clinical seminar to develop detailed, assessment theories, skills that apply to direct work - primarily with children and young adults. Critical examination of child meta-psychology, attachment and British object relations theories in light of research and current Canadian

realities. Students expected to provide current practice examples for analysis and discussion.

SWRK 636 TUTORIAL IN SOCIAL WORK. (3) An individual or small group tutorial in which students will work independently in conjunction with the instructor. The student will undertake a major project related to the area of specialization.

● **SWRK 641 SOCIAL POLICY ANALYSIS.** (3)

SWRK 642 TUTORIAL SOCIAL WELFARE. (3) This tutorial permits students to pursue studies in special areas not covered in other courses offered, or to study in greater depth subjects covered in earlier work. Emphasis is on the content, operation and analysis of social welfare programs.

SWRK 643 QUANTITATIVE RESEARCH METHODS. (3) A comparative review of the research methods and data sources that are used in social work and social welfare, with consideration of the statistical methods and computer programs that are appropriate for each. Topics will include experimental and nonexperimental designs, questionnaire construction, data analysis and reporting research.

● **SWRK 646 EMPLOYEE ASSISTANCE PROGRAMS.** (3)

SWRK 648 SPECIAL TOPICS IN SOCIAL WORK. (3) This course will be offered from time to time to deal with topics of current interest in social work, that are not covered in other courses. Specific content will differ from year to year.

SWRK 649 SPECIAL TOPICS IN SOCIAL WELFARE. (3) This course will be offered from time to time to deal with topics of current interest in social welfare, that are not covered in other courses. Specific content will differ from year to year.

SWRK 650 FIELD WORK PRACTICUM. (3) Supervised educational experience in social work practice integrating practice with theoretical knowledge characteristic of the specialized field. Individual and group instruction. Involves approximately 115 hours of work in a field setting.

SWRK 651 FIELD WORK PRACTICUM. (3) Supervised educational experience in social work practice integrating practice with theoretical knowledge characteristic of the specialized field. Individual and group instruction. Involves approximately 115 hours of work in a field setting.

SWRK 653 QUALITATIVE RESEARCH METHODS. (3) Qualitative methodologies concerned with description and interpretation of social phenomena, including participant observation, structured and unstructured interviewing. Student research projects will form the basis for class discussion.

SWRK 655 SEMINAR ON AGING. (3) Advanced graduate seminar which focuses on a critical examination of historical and contemporary theories and practice models in gerontological social work. Specific content will vary from year to year to allow for in-depth explorations of current topics in aging such as women, ethno-racial communities and health and disability. Particular emphasis will be placed on issues of caregiving in each of these larger topic areas.

● **SWRK 656 ALTERNATIVE SERVICE ORGANIZATIONS.** (3)

SWRK 657 MENTAL HEALTH POLICY AND PRACTICE. (3) The definition and management of madness during the last 200 years or so of Western societies. Focuses upon relevant dimensions of intellectual and social history, particularly the histories of what we now think of as mental health professions. Particular attention is paid to the history of current controversies about involuntary commitment, chemotherapy, and so forth.

● **SWRK 658 MODELS OF DIRECT PRACTICE.** (3)

● **SWRK 659 FEMINIST PERSPECTIVES ON PRACTICE.** (3)

SWRK 660 FIELD WORK PRACTICUM. (6) (Involves approximately 220 hours of work in a field setting) Supervised educational experience in social work practice integrating practice with theoretical knowledge characteristic of the specialized field. Individual and group instruction. Involves approximately 115 hours of work in a field setting.

● **SWRK 663 SOCIAL WORK APPLIED TO ALCOHOLISM.** (3)

SWRK 664 MULTICULTURAL CONTEXT PRACTICE. (3) This course will examine current theory in "multicultural" social work and explore alternative models of practice based on anti-racist/anti-oppression principles. Of special interest in this course are the issues of access and equity in human services. Students are encouraged to develop critical analyses and to develop projects based on practice issues.

SWRK 668 LIFE-THREATENING ILLNESS AND BEREAVEMENT. (3) This seminar addresses the psycho-social concerns of patients and family members living with life threatening illness. An interdisciplinary theoretical perspective is combined with clinical practice interventions. Topics discussed include phases of the illness (diagnosis, chronic, terminal), bereavement, suicide, euthanasia, AIDS and cultural factors related to illness. Special attention will be given to the role of the social worker.

SWRK 669 DISABILITY AND REHABILITATION. (3) This seminar focusses on social work practice with individuals who experience various disabilities. It examines the societal reaction to disability and the history of these values and attitudes and provides an overview of historical and contemporary perspectives regarding intervention. As well, it critically reviews and analyzes recent legislation and advances in the integration of the disabled into the social contexts of the family, school, work force, community, and society at large.

SWRK 690 INDEPENDENT STUDY PROJECT. (9) An independent study project on a topic of interest in a comprehensive and creative fashion. The project is completed by the student following initial guidance from her/his advisor. It systematically examines a theoretical, substantive or empirical matter, using appropriate methodology.

May also be available as:
SWRK 690D1, SWRK 690D2.

SWRK 691 SOCIAL WORK / LAW INDEPENDENT STUDY PROJECT. (12) Students will produce an essay consisting of: 1) identifying a substantive area which integrates core legal and social work knowledge; 2) analyzing the legal and behavioural science information in each substantive area; 3) developing and applying relevant theoretical frameworks; 4) developing research questions to be examined by qualitative or quantitative methods; 5) integrating research findings.

May also be available as:
SWRK 691D1, SWRK 691D2.

SWRK 698 THESIS RESEARCH. (12) Independent research work under the direction of a supervisor.

May also be available as:
SWRK 698D1, SWRK 698D2.

SWRK 699 THESIS RESEARCH. (15) Independent research work under the direction of a supervisor.

May also be available as:
SWRK 699D1, SWRK 699D2.

SWRK 701 COMPREHENSIVE EXAMINATION. (0) (Open only to students in the joint Social Work Ph.D. program)

SWRK 720 THOUGHT AND THEORY DEVELOPMENT IN SOCIAL WORK. (3) (Open only to students in the joint Social Work Ph.D. program) The purpose of this seminar is to explore the origins and historical development of social work theory. Included in the analysis of this development will be the impact of material, cultural and ideological shifts within society in general and social welfare in particular. Attention will also be given to the effect of changes within relevant social science disciplines on the process of social work theory development and its relation to intervention.

SWRK 721 DISSERTATION SEMINAR. (3) (Open only to students in the joint Social Work Ph.D. program) The objective of this seminar is to provide an opportunity for doctoral students and faculty to explore a range of issues arising from students' research projects. Particular attention will be given to the relationship between research objectives and research methodology, and to situating the project in its historical context. The implications for intervention of students' research in terms of "Who benefits?" will also be an

important focus of the seminar. It is to be given every other week throughout the two consecutive terms following completion of comprehensives.

SWRK 722 ADVANCED SEMINAR: SOCIAL WORK INTERVENTION. (3) (Open only to students in the joint Social Work Ph.D. program) Comparative study of certain models of social work intervention from the point of view of their internal logical structure and their practical effectiveness. The models to be presented will be analyzed in terms of their origins, their underlying values, their objectives, their modes of intervention, and their effectiveness.

SWRK 723 ADVANCED SEMINAR ON SOCIAL POLICY. (3) (Open only to students in the joint Social Work Ph.D. program) Analysis of social policies and their impact on social work practice and on the clientele that they affect. Study of the interaction between social policies and styles of management of social work organizations responsible for their application.

SWRK 724 ADVANCED RESEARCH METHODS AND ANALYSIS: QUANTITATIVE DATA. (3) (Open only to students in the joint Social Work Ph.D. program) Problems encountered in the use of quantitative methods in social work research. Types of quantitative research useful in social welfare policy analysis and discussion of yield from alternative analytic methods.

SWRK 725 ADVANCED QUALITATIVE RESEARCH METHODS AND DATA ANALYSIS. (3) (Open only to students in the joint Social Work Ph.D. program) Review of the principal methods comprised under the area of qualitative research and problems related to the utilization of those methods. Particular attention to analysis arising from these methods.

SWRK 726 INDEPENDENT STUDY. (3) (Open only to students in the joint Social Work Ph.D. program)

74 Sociology

Department of Sociology
Stephen Leacock Building
855 Sherbrooke Street West, Room 712
Montreal, QC H3A 2T7
Canada

Graduate Program and Admission Information:
Telephone: (514) 398-6847
Fax: (514) 398-3403
Email: graduate.sociology@mcgill.ca
Website: <http://www.arts.mcgill.ca/programs/sociology>

Chair — John A. Hall

Graduate Program Director — Suzanne Staggenborg

Graduate Admissions Director — T.B.A.

74.1 Staff

Emeritus Professor

Maurice Pinard; B.A., LL.L., M.A.(Montr.), Ph.D.(Johns H.), F.R.S.C.

Professors

John A. Hall; B.A.(Oxon.), M.A.(Penn. St.), Ph.D.(L.S.E.) (*James McGill Professor*) (on leave Winter 2003)

Michael Smith; B.A.(Leic.), M.A., Ph.D.(Brown) (on leave 2002-03)

Suzanne Staggenborg; B.A.(Miami), M.A.(Wash.), Ph.D.

(Northwestern)

Axel P.M. van den Berg; Kand.Doc.(Amsterdam), Ph.D.(McG.)

Morton Weinfeld; B.A.(McG.), Ed.M., Ph.D.(Harv.)

(*Chair, Canadian Ethnic Studies*)

Associate Professors

Lucia Benaquisto; B.A.(S.U.N.Y., Albany), A.M. Ph.D.(Harv.)

(on leave 2002-03)

Alberto Cambrosio; M.A.(Sher.), Ph.D.(Montr.) (*Social Studies of Medicine*)

Roger G. Krohn; B.A.(St. Olaf), M.A., Ph.D.(Minn.)

Uli Locher; V.D.M.(Berne), S.T.M., Ph.D.(Yale)

Anthony Masi; A.B.(Colgate), M.A., Ph.D.(Brown)
 Prue Rains; B.A.(Lake Forest), M.A., Ph.D.(Northwestern)
 Steven L. Rytina; B.G.S., Ph.D.(Mich.)
 Donald von Eschen; A.B.(Beloit), M.A.(Chic.), Ph.D.(Johns H.)

Assistant Professor

James Ron; B.A.(Stanford), M.A., Ph.D.(Berkeley) (Canada)
Research Chair in Conflict and Human Rights

Adjunct Professors

Catherine Montgomery, B.A.(Carleton), M.Sc., Ph.D.(Montr.)
 Rodney Nelson; B.A.(Regina), M.A.(Wash.), Ph.D.(Tor.)

Associate Members

David Aberbach (Religious Studies)
 Gregory Baum (Religious Studies)

74.2 Programs Offered

The Department offers training leading to the degrees of Master of Arts in Sociology (thesis and non-thesis options), Master of Arts in Medical Sociology with the Social Studies of Medicine Department (thesis and non-thesis options), and the Doctor of Philosophy in Sociology.

Theses and dissertations are normally supervised in one of the following areas of Department research concentration: states and social movements; economy and society; social inequality (class, ethnicity and gender) and deviance and social control.

Availability of Funding

Prospective students may apply for a variety of fellowships administered by the University, through research-granting agencies in Quebec, Canada, or in their home countries. Other sources of funding include private companies, agencies, foundations, other provincial and federal government agencies, as well as foreign governments and organizations. Detailed information on other funding sources is available on the McGill website, <http://www.mcgill.ca/fgsr/fellowships/>

The Department offers a limited number of teaching assistantships of \$3,328 per term. Teaching assistantships require 12 hours of work per week in the fall and winter terms. Students who wish to be considered for such assistantships should inform the Graduate Admissions Director, Leacock 712, in writing and preference will be given to those dossiers completed by February 15th.

A limited number of differential fee waivers are also available for international students. Several research assistantships may be available from faculty members.

74.3 Admission Requirements

Applicants must have a Bachelor's degree with a standing equivalent to a Cumulative Grade Point Average (CGPA) of 3.3 or better out of a possible 4.0. The degree may be either in Sociology – in which case it should be equivalent to the Honours B.A. degree at McGill – or it may be in another relevant social science. In the latter case, applicants may be required to take some additional Sociology courses to fill gaps in their background.

The strength of an applicant's academic record is of primary importance in consideration of an applicant's dossier. For a detailed description of courses open to graduates and undergraduates, and of preparation required of McGill University honours students, candidates should consult the *Undergraduate Programs Calendar* via on the Web at <http://www.mcgill.ca>

All applicants are asked to submit two letters of recommendation and two certified copies of their university-level grades along with an example of their written work. Applicants who have received a Master's degree at a university other than McGill should submit a copy of their thesis or evidence of equivalent research experience with their application for admission. The applicant's dossier must be completed by February 1st to be considered for the McGill Awards Competition and the internal Teaching Assistantship competition.

Applicants not registered at Canadian universities must submit with their applications the results of the Verbal and Quantitative aptitude tests of the Graduate Record Examination. Canadian stu-

dents are also encouraged to submit the results of this test with their application. Arrangements to take the Graduate Record Examination should be made directly with the Educational Testing Service, Box 955, Princeton, New Jersey 08540, USA. The Test of English as a Foreign Language (TOEFL) is also required of all non-Canadian students whose mother tongue is not English. The minimum acceptable score for the TOEFL exam is 580 on the paper-based test or 237 on the computer-based test.

Candidates who lack sufficient preparation in the social sciences, but whose academic record justifies consideration for eventual admission to the Master's graduate program, must register for a qualifying year during which they are required to take courses to broaden their knowledge of sociology. Candidates must achieve a final mark of at least a B in these courses and an average in all courses of at least B+; in general, they must, in the opinion of the Department, have achieved sufficient preparation in the subject matter of sociology before they will be allowed to proceed with graduate work. All candidates are expected to have taken courses in statistics, research methods and sociological theory at the undergraduate level.

The program of study is designed to give students an advanced understanding of a major field in sociology, of current methods of sociological research, and of some principal theoretic issues in the discipline. Three terms of residence study is the minimum requirement for a Master's degree.

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 thesis based on original research. For additional information concerning this program, please consult the Social Studies of Medicine section or the website, <http://www.mcgill.ca/ssom/>.

74.4 Application Procedures

Please note that the dossier must be complete with ALL of the following information before the applicant will be considered for entrance to the graduate program:

1. Application form.
2. Statistics, Theory, Methods form.
3. Two certified copies of undergraduate and graduate level transcripts. Please provide an official translation if the original is not in English or French.
4. Two letters of reference on the departmental forms enclosed with the graduate application package.
5. Test results (Graduate Record Examination (GRE) / Test of English as a Foreign Language (TOEFL) (if applicable) minimum score: 580 on the paper-based test or 237 on the computer-based test.
6. Statement of Academic Background - a brief statement of the applicant's interests and the areas of sociology he/she wishes to study at McGill.
7. One or two samples of written work. This can be in the form of a graded paper or a chapter from a thesis and must be at least 15 typewritten pages in length translated into English or French.
8. M.A. Option Form (for M.A. applicants only).
9. \$60 application fee (certified cheque, money order or credit card payment).
10. Two address labels which will serve to acknowledge both the receipt of the application and the decision taken by the Graduate Committee.

Applicants may apply using one of three formats:

1. on-line (web) Application
<http://www.mcgill.ca/applying/graduate/>
2. in Adobe Acrobat PDF Application
<http://www.arts.mcgill.ca/programs/sociology/grad/admissions.html>

3. Paper Application
<http://www.arts.mcgill.ca/programs/sociology/grad/admissions.html>

Applications can be obtained by contacting the Graduate Secretary, Department of Sociology at (514) 398-6847, sending a fax to (514) 398-3403, emailing graduate.sociology@mcgill.ca or sending a request in writing to the Sociology Department.

M.A. in Medical Sociology

Admission is granted by a joint admissions committee made up of representatives from Sociology and Social Studies of Medicine.

74.5 Program Requirements

M.A. PROGRAM OPTIONS

The M.A. degree has six options:

- non-thesis option consisting of seven required courses plus a research paper;
- thesis option with five required courses and a thesis;
- thesis option in Medical Sociology, which requires six courses plus a thesis;
- non-thesis option in Medical Sociology which requires seven courses plus a research paper;
- non-thesis option in Social Statistics which requires seven courses (supplemented by further statistical courses) plus a statistics-based research paper;
- thesis option in Neotropical Environment.

Although the non-thesis option requires more course work, students taking this option are likely to obtain the M.A. more rapidly than those in the thesis option because of the difficulty and length of time involved in completing an M.A. thesis. The expectation is that most students will choose the non-thesis Master's program so as to progress more quickly, especially those wishing to pursue a doctoral degree. The programs are described in more detail below.

M.A. Degree Program Non-Thesis Option (45 credits)

Required Courses (12 credits)

All students must have taken, or take during the first year of the program, the following four courses:

- 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

Should a student be granted an exemption from any one or more of these courses by the Graduate Studies Committee, another substantive seminar must be substituted in its place.

Elective Courses (9 credits)

Students are required to choose three elective courses, one of which may be in a cognate field, subject to the approval of the Graduate Committee.

Research Paper Component – Required (24 credits)

- SOCI 696 (3) Research Paper 1 (first term)
 SOCI 697 (3) Research Paper 2 (second term)
 SOCI 698 (6) Research Paper 3 (third term)
 SOCI 699 (12) Research Paper 4 (third term)

The research paper will normally, but not necessarily, flow out of a paper written for one of the graduate seminars or an independent reading course. Comparable to an article in a professional journal, the paper ought to focus on a clearly defined research problem, demonstrating familiarity with the most important relevant scholarly work and the ability to carry out research and organize the results of the research. This paper is expected to be no more than 30 pages in length, exclusive of footnotes and bibliography.

M.A. Degree Program Thesis Option (48 credits)

Required Courses (12 credits)

All students must have taken, or take during the first year of the program, the following four course:

- 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

Should a student be granted an exemption from any one or more of these courses by the Graduate Committee, another course must be substituted in its place.

Elective Courses (3 credits)

Students are required to choose one course, which may be in a cognate field, subject to the approval of the Graduate Committee.

Thesis Component – Required (33 credits)

- SOCI 690 (3) M.A. Thesis 1 (first term)
 SOCI 691 (6) M.A. Thesis 2 (second term)
 SOCI 692 (3) M.A. Thesis 3
 SOCI 693 (3) M.A. Thesis 4 (second term)
 SOCI 694 (18) M.A. Thesis 5 (third term)

To provide students with some research experience, all candidates must present a thesis based on their own research. While not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, the thesis must show familiarity with previous work in the field and must normally demonstrate the ability to carry out research and to organize results, all of which must be presented in good literary style. The thesis will consist of between 50-75 pages of text, exclusive of footnotes and bibliography, which must be completed no later than August 31st of the second year in the program.

M.A. Degree Program Non-Thesis Option in Social Statistics

The program complements disciplinary training with research experience applying statistical methods to Statistics Canada data (or equivalent). Students will complete normal program course requirements under the M.A. non-thesis program, supplemented by further statistical courses, as advised by the option advisor, 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).

M.A. Degree in Medical Sociology

The Department offers M.A. programs in Medical Sociology which are given jointly by the Sociology Department and the Department of Social Studies in Medicine (SSOM). Both the thesis and non-thesis options are available.

Sociology/NeoTropical Environment M.A. Program

McGill University and the Smithsonian Tropical Research Institute (STRI) are joining forces to offer graduate studies in neotropical environment. These are offered as options within existing programs in Agricultural and Biosystems Engineering, Biology, Geography, Political Science, Plant Science, Renewable Resources, and Sociology. Advisors will be McGill professors and STRI scientists. The degrees are granted by McGill University.

Students must meet the Graduate and Postdoctoral Studies Office admission requirements, enter through one of the participating departments and meet the requirements of that unit. In addition, to meet the option requirements, students will take two core courses (ENVR 610A and BIOL 640). These specific NEO courses will be taught in Panama. Student also take one of POLI 644; SOCI 565, ENVR 611, ENVR 612, ENVR 680, BIOL 553, BIOL 641, GEOG 498, AGRI 550. The thesis fieldwork must be conducted in Latin America on a topic approved by the NEO coordinating committee.

REQUIREMENTS FOR THE PH.D. DEGREE

A minimum of three years of study is required. There is one year of course work consisting of six courses. It is important to note that students admitted without any one or more of the required courses or their equivalent at the M.A. level (SOCI 580, SOCI 652,

SOCI 504, and SOCI 540) will be expected to make up any deficiencies in addition to the regular course requirements.

Course Requirements: Ph.D. students are required to take six additional courses, the only required course being SOCI 505 Quantitative Methods of Social Research 2. The other five courses can be chosen from among the elective courses listed in the Sociology Department course offerings.

Examination Requirements: Ph.D. Candidates must take examinations in two subfields of sociology. These fields will be chosen from the Department's areas of specialization.

Examinations must be completed and the student's candidacy for the degree established no later than the end of the third year of graduate study.

Language Requirement: Ph.D. Candidates must demonstrate ability to read French with high proficiency or to read another language relevant to the candidate's field of research. The language requirement should be met by the end of the third year and may be satisfied by taking the French language course for Ph.D. students at the Centre for French Language and Literature at McGill, or by a written examination in the Department or by exemption.

Thesis Requirement: Ph.D. Candidates are required to submit a thesis on an approved topic. The topic must be approved by a dissertation proposal committee convened by the student's dissertation supervisor. The thesis should be completed within five years after the initial residency period of two years.

Further details on the requirements and regulations for the thesis and the fields in which the Department is prepared to direct research may be obtained from the Graduate Coordinator of the Department at sharon.barqueiro@mcgill.ca or via the Web at <http://www.mcgill.ca/fgsr/gso/thesis.htm>.

74.6 Courses

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

NOTE: All undergraduate courses administered by the Faculty of Arts (courses at the 100- to 500-level) have limited enrolment.

All 300, 400 and 500-level Sociology courses listed in the Faculty of Arts Calendar are open to graduate students and can be taken for graduate credit provided appropriate work load adjustments are agreed upon with the instructor.

SOCI has replaced 166 as the prefix for Sociology courses. The course credit weight is given in parentheses after the title.

- Denotes courses not offered in 2002-03

SOCI 504 QUANTITATIVE METHODS 1. (3) (Prerequisites: SOCI 350 and SOCI 461 or equivalents) Analysis of quantitative information, especially in large, survey-type, data sets. Use of computer programs such as SPSS and SAS. Topics include: cross tabulations with an emphasis on multi-dimensional tables, multiple correlation and regression, and, the relationship between individual and aggregate level statistical analyses. Special reference to demographic techniques.

SOCI 505 QUANTITATIVE METHODS 2. (3) (Prerequisite: SOCI 504) Topics include: problems - and solutions - in regression analysis, models for categorical dependent variables, including logit, log-linear, and linear probability models, measurement models, structural equation models with latent variables (LISREL), and time series and panel analysis.

SOCI 510 SEMINAR IN SOCIAL STRATIFICATION. (3) (Prerequisites: SOCI 333 and SOCI 350 or equivalents) Recent theoretical and empirical developments in social stratification and inequality. The

study of social class, with attention to the anomalous findings on heterogeneity in labour markets and the labour process, status attainment processes, and the socio-political and industrial attitudes of the working class. Students will prepare quantitative analysis of Canadian survey material as well as critical qualitative reviews.

SOCI 511 MOVEMENTS/COLLECTIVE ACTION. (3) A critical examination of classical and more recent approaches to the study of social movements and collective action. Discussion of: the role of grievances and interests, incentives and beliefs, conditions of breakdown and solidarity, mobilization and social control, the dynamics of collective action.

SOCI 515 MEDICINE AND SOCIETY. (3) (Prerequisite: Undergraduate students require permission of instructor) The sociology of health and illness. Reading in areas of interest, such as: the sociology of illness, health services occupations, organizational settings of health care, the politics of change in national health service systems, and contemporary ethical issues in medical care and research.

● **SOCI 516 ADVANCED PSYCHOLOGICAL SOCIOLOGY.** (3)

● **SOCI 520 MIGRATION AND IMMIGRANT GROUPS.** (3) (Prerequisite: 15 credits in the Social Sciences)

● **SOCI 529 SOCIAL INEQUALITY AND PUBLIC POLICY.** (3)

SOCI 530 SEX AND GENDER. (3) This seminar critically reviews theoretical perspectives and research on sex and gender in various domains of social life. It gives special emphasis to work which considers the meaning of gender and how it differs across time and place.

● **SOCI 535 SOCIOLOGY OF THE FAMILY.** (3)

● **SOCI 538 SELECTED TOPICS IN SOCIOLOGY OF BIOMEDICAL KNOWLEDGE.** (3)

SOCI 540 QUALITATIVE RESEARCH METHODS. (3) (Section 01 - Sociology Honours, and Major Concentration students with instructor's permission) (Section 02 - Sociology graduate students) Qualitative methodology, mainly participant observation, structured and unstructured interviewing. Students begin a research project using these techniques and submit field notes once a week.

● **SOCI 545 SELECTED TOPICS.** (3)

SOCI 550 DEVELOPING SOCIETIES. (3) Comparison of alternative explanations of underdevelopment: the impact of social stratification, relations of domination and subordination between countries, state interference with the market. Alternative strategies of change: revolution, structural adjustment, community development and cooperatives. Students will write and present a research paper, and participate extensively in class discussion.

● **SOCI 555 COMPARATIVE HISTORICAL SOCIOLOGY.** (3)

● **SOCI 560 GENDER AND ORGANIZATION.** (3)

SOCI 565 SOCIAL CHANGE IN PANAMA. (3) (Prerequisites: SOCI 218 and SOCI 350 or equivalents.) (Corequisites: BIOL 473, ENVR 451 and ABEN 450.) (Restriction: location in Panama. Students must register for a full term in Panama.) Analysis of social change in Panama, particularly during the 20th century: demography, social and economic structures, rural and urban activities and landscapes, indigeneous peoples, the effects of the Canal and the Free Trade Zone. Focus throughout on the interaction of human society and the environment. Four field trips.

● **SOCI 571 DEVIANCE AND SOCIAL CONTROL.** (3)

SOCI 580 SOCIAL RESEARCH DESIGN AND PRACTICE. (3) (Open to U3 and graduate students) Asking researchable sociological questions and evaluation of different research designs used to answer such questions. Development of cogent research proposals, including data collection procedures. Principles, dynamics, strengths and practical limitations of research designs. Examples from recent publications.

● **SOCI 590 CONFLICT AND STATE BREAKDOWN.** (3) (Open to graduate students in Sociology, Political Science, Anthropology,

and History AND undergraduate students with permission of instructor.)

● **SOCI 612 INDUSTRIAL SOCIOLOGY.** (3)

● **SOCI 625 INDUSTRIAL SOCIOLOGY.** (3)

SOCI 627 POLITICAL SOCIOLOGY. (3) Key theories and empirical areas of political sociology. Major works relevant to each theme will be read and analyzed. Topics include: political socialization, the social psychology of political behaviour, class and politics, political organizations, elite studies. A research paper in one of the areas covered will be required.

SOCI 629 ETHNICITY AND PUBLIC POLICY. (3) Major themes in the theoretical literature on ethnicity. Public policies with direct and indirect implications for inter-ethnic relations will be studied. Policies affecting areas such as language, education, immigration, employment and promotion, multiculturalism and welfare. Examples drawn from several multi-ethnic societies. Political, constitutional, and economic problems associated with these policy initiatives.

● **SOCI 631 CORPORATIONS AND SOCIETY.** (3)

SOCI 652 CURRENT SOCIOLOGICAL THEORY. (3) (Prerequisite: SOCI 330) Examination of works in some major areas of Sociology with a focus on: antecedent thought and research in the area; the internal structure and consistency of these works; the validity of the major claims made; and the implications for future theoretical development and research.

● **SOCI 661 SEMINAR: SOCIOLOGY OF KNOWLEDGE.** (3)

● **SOCI 683D1 SEMINAR: WORLD SYSTEM.** (3)

● **SOCI 683D2 SEMINAR: WORLD SYSTEM.** (3)

● **SOCI 684D1 SEMINAR: DEVIANCE AND LABELLING PERSPECTIVES.** (3)

● **SOCI 684D2 SEMINAR: DEVIANCE AND LABELLING PERSPECTIVES.** (3)

SOCI 688 SEMINAR ON SOCIAL STATISTICS. (3) (Restriction: open only to students in the M.A. Social Statistics Option, or with permission of instructor. Not open to students who have taken POLI 688, SOCI 668 or GEOG 688.) Special topics in social statistics and presentations of ongoing research by students pursuing the M.A. Option in Social Statistics in any of the participating disciplines.

SOCI 690 M.A. THESIS 1. (3) (Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.) Exploratory thesis research for the selection of a thesis topic.

SOCI 691 M.A. THESIS 2. (6) (Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.) Preparation, submission and approval of the thesis proposal by the student to his/her committee.

SOCI 692 M.A. THESIS 3. (3) (Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.) Fieldwork and data analysis on the thesis. Progress report to the supervisor.

SOCI 693 M.A. THESIS 4. (3) (Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.) Fieldwork and data analysis on the thesis. Progress report to the supervisor.

SOCI 694 M.A. THESIS 5. (18) (Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.) Completion, submission, and approval of the M.A. Thesis by the committee and the Graduate and Postdoctoral Studies Office.

SOCI 695 M.A. THESIS 6. (15) (Open only to graduate students registered in the Medical Sociology thesis program.) Completion, submission, and approval of the M.A. Thesis by the committee and the Graduate and Postdoctoral Studies Office.

SOCI 696 RESEARCH PAPER 1. (3) (Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.) Exploratory research for the selection of a research topic.

SOCI 697 RESEARCH PAPER 2. (3) Preparation, submission and approval of the proposal by the student to his/her supervisor.

SOCI 698 RESEARCH PAPER 3. (6) (Restriction: Open only to graduate students registered in the M.A. thesis program of the Sociology Department.) Fieldwork and data analysis on the research.

SOCI 699 RESEARCH PAPER 4. (12) Completion, submission and approval of the research paper by the committee.

SOCI 700 PH.D. AREA EXAMINATION 1. (0) (Restriction: Only open to Ph.D. students in the Sociology Department) The examination assesses the student's breadth of knowledge in one substantive area. This is the first of two required comprehensive examinations for the Ph.D. Program.

SOCI 701 PH.D. AREA EXAMINATION 2. (0) (Restriction: Only open to Ph.D. students in the Sociology Department) The examination assesses the student's breadth of knowledge in one substantive area. This is the second of two required comprehensive examinations for the Ph.D. Program.

SOCI 702 PH.D. PROPOSAL APPROVAL. (0) (Only open to Ph.D. students in the Sociology Department) Presentation and acceptance of the Ph.D. Proposal Defense by the student to the Department Proposal Committee.

SOCI 720 READING IN SOCIAL THEORY. (3)

SOCI 730 READING AND RESEARCH. (3)

75 Surgical Research

Department of Surgery (Division of Surgical Research)
Montreal General Hospital
1650 Cedar Avenue, Room C9-160
Montreal, QC H3G 1A4
Canada

Telephone: (514) 937-6011 ext. 42837

Fax: (514) 934-8289

Email: gradstudies.surgery@mcgill.ca

Website: <http://www.surgery-research.mcgill.ca>

Chair, Department of Surgery — J.L. Meakins

Director, Division of Surgical Research — L. Rosenberg

Associate Director, Division of Surgical Research — A. Philip

75.1 Staff

Professors

J.L. Meakins; B.Sc.(McG.), M.D.(W.Ont.), D.Sc.(Cinc.)
L. Rosenberg; M.Sc., M.D., Ph.D.(McG.)
M. Aebi; B.Sc., M.D.(Switz.) F.R.C.S.(C)
P. Brodt; B.Sc.(Bar-Ilan), M.Sc.(Ott.), Ph.D.(McG.)
R.C.-J. Chiu; M.B.(Taiwan), Ph.D.(McG.)
N.V. Christou; B.Sc., M.Sc., Ph.D., M.D.,C.M.(McG.)
M.M. Elhilali; M.B., B.Ch., D.S., DU, M.Ch.(Cairo), Ph.D.(McG.)
G.M. Fried; B.Sc., M.D.,C.M.(McG.)
C. Gagnon; B.Sc., M.Sc., Ph.D.(Montr.)
F. Glorieux; M.D.(Louvain), M.Sc.(Montr.), Ph.D.(McG.)
D.S. Mulder; M.D.(Sask.), M.Sc.(McG.)
A.R. Poole; B.Sc., Ph.D.(R'dg)
P.J. Roughley; B.Sc., Ph.D.(Nott.)
H. Shennib; M.D.(Cairo), F.R.C.S.(C)
H.B. Williams; B.A.(Acadia), M.D.,C.M.(McG.)

Associate Professors

J. Barkun; M.D., M.Sc.(McG.)
O. Blaschuk; B.Sc.(Winn.), M.Sc.(Man.), Ph.D.(Tor.)
J.D. Bobyn; B.Sc., M.Sc.(McG.), Ph.D.(Tor.)
S. Chevalier; B.Sc., M.Sc., Ph.D.(Montr.)
D. Fleiszer; B.Sc., M.D., C.M.(McG.)
J.M. Laberge; M.D.(Laval)
L. Lessard; B.Sc., M.D.(Laval), F.R.C.S.(C)
J.S. Mort; B.Sc.(McG.), Ph.D.(McM.)
R. St.-Arnaud; Ph.D.(Laval)
J. Sampalis; M.Sc., Ph.D.(McG.)

T. Taketo-Hosotani; B.Sc., M.Sc., Ph.D.(Kyoto)
 C.I. Tchervenkov; B.Sc., M.D.,C.M.(McG.), F.R.C.S.(C)
 J.I. Tchervenkov; M.D.,C.M.(McG.), F.R.C.S.(C)
 D. Zukor; B.Sc., M.D.,C.M.(McG.)

Assistant Professors

A. Philip; M.Sc., Ph.D.(McG.)
 M. Chevrete; B.Sc., M.Sc., Ph.D.(Laval)
 D.C. Evans; B.A., M.D.,C.M.(McG.)
 H. Flageole; M.D., M.Sc.(McG.)
 R.C. Hamdy; M.Sc, M.D.(Egypt), F.R.C.S.(C)
 K.J. Lachapelle; M.Sc., M.D.,C.M.(McG.)
 E. Lee; B.A.(Boston), M.Sc., Ph.D.(McG.)
 S. Meterissian; M.D.,C.M., M.Sc.(McG.)
 A.D. Recklies; B.Sc.(McG.), Ph.D.(McM.)
 K. Shaw; M.D., C.M., M.Sc.(McG.)
 D. Shum-Tim; M.Sc., M.D.,C.M.(McG.)
 T. Steffen, M.D. (Switz.), Ph.D.(McG.)
 M. Tanzer; M.D.,C.M.(McG.), F.R.C.S.(C)

75.2 Programs Offered

The Department of Surgery offers graduate programs leading to M.Sc. and Ph.D. degrees.

The main research interests in the Department include projects in islet cell differentiation and islet transplantation, tissue engineering of cardiac muscle, immunopathogenesis of liver xenograft rejection, lung transplantation; tissue repair and engineering for plastic surgery applications; cartilage regeneration, osteoinduction and biomechanics; sepsis and multi-organ failure; biology of cancer; sexual dysfunction, prostate cancer and kidney stones; and surgical epidemiology.

A list of research directors and a description of their research topics, as well as application forms may be obtained from Mrs. Irene Sidorenko, Division of Surgical Research, Montreal General Hospital, Rm. C9-160 (937-6011 x 42837) email: irene.sidorenko@mcgill.ca

75.3 Admission Requirements

Graduate Diploma in Surgical Health Care Research

The 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. To be accepted into the Graduate Diploma Program students must be accepted into the Division of Surgical Research; fulfill the minimum requirements for admission of the Graduate and Postdoctoral Studies Office; identify an acceptable and feasible research project; and identify an accredited faculty member willing to support the research and supervise the student. The program is under the responsibility of Professor John Sampalis.

M.Sc. Program

Usually a B.Sc., M.D. or M.V.D. degree, with a minimum CGPA of 3.2. Applications will be accepted from candidates sponsored by a research supervisor willing to provide laboratory space and direction for their research work.

Ph.D. Program

Admission is usually from the M.Sc. program either upon completion of the M.Sc. degree, or by transfer from the first year of M.Sc. to the second year of Ph.D. studies. Request for such transfer is to be made in writing by the thesis supervisor during the candidate's first year of M.Sc. studies, not later than March 30th for students enrolled in September, or November 1st for those registered in January. **Transfer is granted on the basis of an examination administered by the student's Research Supervisory Committee.** Exceptional students may apply directly to the Ph.D. program with a minimum 3.5/4.0 GPA.

Students with an M.Sc. degree from other departments or from other recognized universities whose M.Sc. topic is closely related to the subject of their Ph.D. research may be admitted directly into the Ph.D. program, at the level of Ph.D.2, at the discretion of the Department. Exceptional students with a Master's degree unre-

lated to their proposed research may be admitted to Ph.D.1 directly.

75.4 Application Procedures

Applicants must submit a completed application form including a brief curriculum vitae, a short description of the proposed thesis research (prepared by the student and/or the prospective research director), a cheque for \$60 payable to McGill University, as well as two copies of all academic transcripts and two letters of recommendation mailed directly to the Department.

Deadline for receipt of complete applications:

- March 1st for the September term.
- October 1st for the January term.
- February 2nd for International students.
- March 1st for Diploma program.

Commencing with applications for entry in January 2003, McGill's on-line application form will be available to all graduate program candidates at <http://www.mcgill.ca/applying/graduate>.

75.5 Program Requirements

Graduate Diploma in Surgical Health Care Research

(30 credits)

This diploma program consists primarily of coursework, however a research project must be completed to obtain the required 30 credits. The program is designed to be completed within one year.

Required Courses (18 credits)

EXSU 606 (3) Statistics for Surgical Research
 EXSU 601 (6) Seminars in Surgical Research
 EXSU 637 (9) Research Project

Complementary Courses (12 credits)

at least 3 credits from the following courses:

EPIB 631* (2) Pharmacoepidemiology 2
 EPIB 633* (2) Pharmacoepidemiology 1
 EPIB 656 (3) Health Care Technology Assessment
 EPIB 679 (3) Special Topics 5
 EXMD 631 (3) Advanced Topics in Economic Evaluation

* Must be taken in tandem for a total of four credits.

at least 9 credits from the following courses:

EPIB 606 (3) Introduction to Epidemiology
 EPIB 607 (3) Principles of Inferential Statistics
 EPIB 610 (3) Occurrence of Health Events in Population
 EPIB 631* (2) Pharmacoepidemiology 2
 EPIB 633* (2) Pharmacoepidemiology 1
 EPIB 643 (1) Substantive Epidemiology3
 EPIB 655 (3) Epidemiology in Public Health
 EPIB 668 (2) Special Topics: Trauma
 EXMD 631 (3) Advanced Topics in Economic Evaluation
 POTH 630 (3) Measurement in Rehabilitation

* Must be taken in tandem for a total of four credits.

M.Sc. Program (48 credits)

The M.Sc. program consists of research work in preparation of a thesis and completion of required courses for a total of 48 credits. The program is to be completed during three terms; an additional term is assigned for the preparation of the thesis.

The course requirements for a total of 15 credits are as follows:

EXSU 601 (6) Seminars in Surgical Research
 EXSU 606 (3) Statistics for Surgical Research
 EXSU 605 (3) Issues in Biomedical Research

A graduate level course in the student's specialty is also mandatory. Selection of the former and of additional courses, if required, will be in consultation with a Research Supervisory Committee appointed for each student.

The laboratory research component of the program is worth 33 credits.

Ph.D. Program

The minimum residence time in the program is three calendar years. In addition to the courses listed under the M.Sc. program, students are encouraged to select additional courses from allied

disciplines relevant to their research topic. To graduate, candidates will also have to pass a predoctoral examination.

Predocctoral comprehensive examination: All Ph.D. students (admitted directly into the Ph.D. program, or those allowed to transfer from M.Sc.1 to Ph.D. 2 without writing an M.Sc. thesis) must take this examination.

The examination is to take place after 12 months of residence in the Ph.D. program, and will be administered by an expanded Research Supervisory Committee under its Chair. The examination will have two components: an oral presentation of the candidate's research project, as well as preparation of a report in writing on an assigned research publication, and its oral presentation. The candidate must receive a pass mark in both components to continue in the Ph.D. program.

75.6 Courses

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

Courses with numbers ending D1 and D2 are taught in two consecutive terms (most commonly Fall and Winter). Students must register for both the D1 and D2 components. No credit will be given unless both components (D1 and D2) are successfully completed in consecutive terms.

EXSU has replaced 519 as the prefix for Experimental Surgery courses.

The course credit weight is given in parentheses after the title.

EXSU 601 SEMINARS IN SURGICAL RESEARCH. (6) (1 1/2 hours/week) (Compulsory for students in the Department of Surgery and available to others by permission of the coordinators)
May also be available as:
EXSU 601D1, EXSU 601D2.

EXSU 604 SELECT TOPICS IN HUMAN IMMUNOLOGY. (3)

EXSU 605 ISSUES IN BIOMEDICAL RESEARCH. (3) (2 hours/week) (Compulsory for students in the Department of Surgery and available to others by permission of the coordinators)

EXSU 606 STATISTICS FOR SURGICAL RESEARCH. (3) (2 hours/week) (Compulsory for students in the Department of Surgery and available to others by permission of the coordinators)

EXSU 637 RESEARCH PROJECT. (9)

May also be available as:
EXSU 637D1, EXSU 637D2.

EXSU 684 SIGNAL TRANSDUCTION. (3) (2 hours/week) (Open to graduate students with prerequisites and U3 undergraduates with special permission)

EXSU 690 M.Sc. RESEARCH 1. (4)

May also be available as:
EXSU 690D1, EXSU 690D2.

EXSU 691 M.Sc. RESEARCH 2. (4)

May also be available as:
EXSU 691D1, EXSU 691D2.

EXSU 692 M.Sc. RESEARCH 3. (4)

May also be available as:
EXSU 692D1, EXSU 692D2.

EXSU 693 M.Sc. THESIS. (21)

May also be available as:
EXSU 693D1, EXSU 693D2.

EXSU 700 COMPREHENSIVE EXAMINATION. (0)

May also be available as: EXSU 700D1, EXSU 700D2.

76 Urban Planning

School of Urban Planning
Macdonald Harrington Building
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Montreal, QC H3A 2K6
Canada

Telephone: (514) 398-4075

Fax: (514) 398-8376

Email: admissions.planning@mcgill.ca

Website: <http://www.mcgill.ca/urbanplanning>

Director — David F. Brown

76.1 Staff

Emerita Professor

Jeanne M. Wolfe; B.Sc.(Lond.), M.Sc.(W.Ont.), M.A.(McG.)

Professor

Jane Matthews-Glenn; B.A., LL.B. (Queen's), D.en droit (Strasbourg)

Associate Professors

David F. Brown; B.A.(Bishop's), M.U.P.(McG.), Ph.D.(Sheffield)

Raphaël Fischler; B.Eng.(Eindhoven), M.Sc., M.C.P.(M.I.T.), Ph.D.(Calif.)

Assistant Professors

Madhav G. Badami; B.Tech., M.S.(I.I.T., Madras)

M.E.Des.(Calg.), Ph.D.(UBC) (*joint appt. with McGill School of Environment*)

Lisa Bornstein; B.Sc.(U.C.Berk.), M.R.P.(C'nell), Ph.D.(U.C.Berk.)

Murtaza Haider; B.Sc.(Peshawar), M.A.Sc.(Tor.) (*joint appt. with Civil Engineering*)

Adjunct Professors

David Farley; B.Arch.(McG.), M.Arch., Master of City Planning(Harv.)

Mario Polèse; B.A.(CUNY), M.A., Ph.D.(Penn.)

Associate Member

Gordon O. Ewing; M.A.(Glasgow), M.A., Ph.D.(McG.) (Geography)

Instructor

François Dufaux; B.Arch.(Laval), M.U.P.(McG.)

Guest Lecturers

Cameron Charlebois, Luc Danielse, Marc Denhez, Andrew Hoffmann, Peter Jacobs, Brenda Lee, Léon Ploegaerts, Ray Tomalty, Alain Trudeau, Martin Wexler

76.2 Programs Offered

The objective of the School is to produce qualified professional urban planners for the public and the private sectors. Training is provided at the post-graduate level; the degree offered is the Master of Urban Planning (M.U.P.).

Upon completion of the two-year program of studies, 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.

The program of study offered by the School is fully recognized by the Ordre des Urbanistes du Québec (O.U.Q.) and the Canadian Institute of Planners (C.I.P.). Graduates can become full members of these professional organizations after meeting their internship requirements.

Modern urban planning developed into a profession in the early decades of the twentieth century, largely as a response to the appalling sanitary, social and economic conditions of rapidly developing industrial cities. Initially the disciplines of architecture, civil engineering and public health provided the nucleus of concerned professionals; beautification schemes and infrastructure works marked the early stages of public intervention in the nineteenth century. Architects, engineers and public health specialists were joined by economists, sociologists, lawyers and geographers

as the complexities of the city's problems came to be more fully understood and public pressure mounted for their solution. Contemporary urban and regional planning techniques for survey, analysis, design and implementation developed from an interdisciplinary synthesis of these various fields.

Today, urban planning can be described as the collective management of urban development. It is concerned with the welfare of communities, control of the use of land, design of the built environment, including transportation and communication networks, and protection and enhancement of the natural environment. It is at once a technical and a political process which brings together actors from the public, private and community spheres. Planners participate in that process in a variety of ways, as designers and analysts, advocates and mediators, facilitating the search for equitable and efficient solutions to urban development problems.

McGill University was the first institution in Canada to offer a full-time planning program. An inter-disciplinary program was established in 1947, in which students combined a master's degree in Urban Planning with one in a related field. An autonomous program was established in 1972. It became the School of Urban Planning in 1976, a unit within the Faculty of Engineering.

Students come to the School from diverse backgrounds, the physical sciences, the traditional professions, such as architecture and engineering, and the social sciences. Alumni of the School work as planners and designers at various levels of government, in non-profit organizations and with private consulting firms. Their expertise ranges from historic preservation to traffic management, from housing development to computer imaging. They devote their efforts in increasing numbers to environmental planning and sustainable development.

The School is a partner in the Montreal Interuniversity "Groupe Urbanization and Development", a consortium recognized by CIDA as a Centre of Excellence, which is devoted to the study of urban problems and the formulation of policies in developing regions. Faculty and students collaborate actively with members of other McGill departments, notably Architecture, Geography, Civil Engineering and Law, and with colleagues at other institutions in Canada and abroad.

76.3 Admission Requirements

The M.U.P. degree is open to students holding a bachelor's degree or equivalent in Anthropology, Architecture, Economics, Engineering, 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 the Graduate and Postdoctoral Studies Office, the following must be submitted:

1. Statement of specific interest in the area of Urban Planning.
2. For architects only, a portfolio containing at least five (5) examples of architectural work accomplished in school and in practice. (Portfolios are not to exceed 8½" x 11" in size.)

The deadline for submitting applications and supporting material is March 1st.

Commencing with applications for entry in January 2003, McGill's on-line application form will be available to all graduate program candidates at <http://www.mcgill.ca/applying/graduate>.

Awards and Financial Assistance

For information regarding awards and financial assistance, please refer to the Graduate and Postdoctoral Studies Office "Graduate Fellowships and Awards" Calendar.

76.4 Program Requirements

The program in Urban Planning requires two years of study (69 credits). It consists of a basic core of compulsory courses and a selection of courses from a group of recommended electives.

A three-month internship with a member of a recognized planning association is required.

Students are required to prepare a Supervised Research Project which may take the form of investigative research, an

impact study, a development project or a plan. It may be undertaken jointly with another student.

Required Courses (51 credits)

GEOG 351*	(3)	Quantitative Methods
PUB1 004*	(3)	Land Use Planning Law
URBP 604	(6)	Planning Projects 3
URBP 606	(3)	Supervised Research Seminar
URBP 609*	(3)	Planning Graphics
URBP 612	(3)	History and Theory of Planning
URBP 622	(6)	Planning Projects 1
URBP 623	(3)	Planning Projects 2
URBP 628	(6)	Practical Experience
URBP 630	(3)	Supervised Research Project 1
URBP 631	(6)	Supervised Research Project 2
URBP 632	(6)	Supervised Research Project 3

Students who have completed the material for courses marked with an * may request permission from the instructor to substitute another course.

When selecting Complementary and Elective courses, it is highly recommended that students take at least one course in each of the fields of housing, transportation, environment and design.

Complementary Courses (12 credits)

a minimum of 4 courses in Development and Refinement chosen from:

ARCH 378	(3)	Site Usage
ARCH 550	(3)	Urban Planning 1
ARCH 551	(3)	Urban Planning 2
ARCH 527	(3)	Civic Design
ARCH 528	(3)	History of Housing
ARCH 529	(3)	Housing Theory
CIVE 540	(3)	Urban Transportation Planning
URBP 501	(2)	Principles and Practice 1
URBP 505	(3)	Geographical Information Systems
URBP 605	(3)	Graduate Seminar
URBP 607	(3)	Reading Course: Urban Planning
URBP 614	(3)	Urban Environmental Planning
URBP 616	(3)	Selected Topics 1
URBP 617	(3)	Selected Topics 2
URBP 618	(3)	Selected Topics 3
URBP 619	(3)	Transportation and Land Development
URBP 620	(3)	Computer Applications in Planning
URBP 621	(3)	Theories of Urban Form
URBP 625	(2)	Principles and Practice 2
URBP 626	(2)	Principles and Practice 3

Electives (6 credits)

Students may select courses to acquire an in-depth knowledge of one subject area in the field of planning. Students are not limited to the list below. Note: Not all courses are offered each year. See department for information on prerequisites, etc.

CIVE 440	(3)	Traffic Engineering
FINE 445	(3)	Real Estate Finance
FINE 446	(3)	Real Estate Investment Analysis
FINE 447	(3)	Real Estate Valuation
FINE 546	(3)	Land Law
GEOG 315	(3)	Urban Transportation Geography
GEOG 331	(3)	Urban Social Geography
SOCI 222	(3)	Urban Sociology

76.5 Courses

For the term (Fall and/or Winter), days, and times when courses will be offered, please refer to the 2002-2003 Class Schedule on the Web, <http://www.mcgill.ca/minerva-students/class/>. Class locations and names of instructors are also provided.

Students preparing to register are advised to consult the Class Schedule website for the most up-to-date list of courses available. New courses may have been added or courses rescheduled after this Calendar went to press.

The schedule of courses to be offered in Summer 2003, will be available on the website in January 2003.

URBP has replaced 409 as the prefix for Urban Planning courses. The course credit weight is given in parentheses after the title.

- Denotes courses not offered in 2002-03

URBP 501 PRINCIPLES AND PRACTICE 1. (2) This six-week intensive course exposes students to issues and techniques that are applicable in diverse professional planning contexts. The subject matter, geographic area, scale of intervention and institutional location of planning varies from semester to semester. The course focuses on a specific case study and is taught by a visiting lecturer with professional experience in the selected subject matter.

URBP 505 GEOGRAPHIC INFORMATION SYSTEMS. (3) An introduction to fundamental geographic information system (GIS) concepts and a range of GIS applications in urban and regional planning.

- **URBP 602 SUPERVISED RESEARCH PROJECT.** (15)
- **URBP 602D1 SUPERVISED RESEARCH PROJECT.** (7.5)
- **URBP 602D2 SUPERVISED RESEARCH PROJECT.** (7.5)
- **URBP 603N1 PLANNING PROJECTS 1.** (4.5)
- **URBP 603N2 PLANNING PROJECTS 1.** (4.5)

URBP 604 PLANNING PROJECTS 3. (6) (Prerequisites: Planning Projects I and II.) The second-year studio is designed to permit the study of planning problems in depth. Problems are chosen depending on the experience and research interests of the participants, or for their topical nature.

URBP 605 GRADUATE SEMINAR. (3) This seminar is directed to the needs of individual students. It focuses on topics of special interest not included in the curriculum. It is given by members of staff as a tutorial.

URBP 606 SUPERVISED RESEARCH SEMINAR. (3) The supervised research seminar consists of group conferences between students and staff, both to introduce and discuss the topic of professional ethics, and to permit the formulation and development of the students' research project.

URBP 607 READING COURSE: URBAN PLANNING. (3) The Reading Course offers an opportunity to explore, under the supervision of a staff member, subject areas relevant to urban planning.

URBP 609 PLANNING GRAPHICS. (3) Designed to familiarize the student with graphic techniques used in professional planning work, as well as to heighten environmental perception. Weekly lecture which reviews theory and practice followed by a weekly studio assignment involving the application of practical skills.

- **URBP 610 MAN AND HIS ENVIRONMENT.** (6)
- **URBP 611 MAN AND HIS ENVIRONMENT 2.** (3)

URBP 612 HISTORY AND THEORY OF PLANNING. (3) A review of planning history and theories of planning. These are examined under three categories: explanation of urban phenomena, substantive theory, and theories of process.

- **URBP 613 APPLIED QUANTITATIVE TECHNIQUES.** (3)

URBP 614 URBAN ENVIRONMENTAL PLANNING. (3) Examination and evaluation of methodologies pertaining to the assessment of environmental impact in the urban context and the integration of diverse environmental elements directly within the urban planning process. Consideration is given to both theoretical and practical issues. The quality of recent professional reports is assessed.

- **URBP 615 BUILDING INSPECTION.** (3)

URBP 616 SELECTED TOPICS 1. (3) Special topics related to Urban Planning will be presented by staff and visiting lecturers.

URBP 617 SELECTED TOPICS 2. (3) Special topics related to Urban Planning will be presented by staff and visiting lecturers.

URBP 618 SELECTED TOPICS 3. (3) Special topics related to Urban Planning will be presented by staff and visiting lecturers.

URBP 619 TRANSPORTATION AND LAND DEVELOPMENT. (3) Urban land development projects: design procedures and standards for internal traffic distribution, auto, truck and pedestrian access, parking requirements, and the development of transportation-related

land-use controls. Methods for assessing the impact of land development projects on external traffic. Transportation/land-use relationships at the broader regional scale, with a review of land-use forecasting and allocation models and procedures for the coordination of comprehensive transportation/land-use planning.

URBP 620 COMPUTER APPLICATIONS IN PLANNING. (3) An introduction to selected computer applications in planning including information systems, planning analysis and computer aided design. Students will acquire experience with software packages currently used in planning practice and research.

URBP 621 THEORIES OF URBAN FORM. (3) This seminar explores the forces and ideas which have shaped cities since the industrial revolution, with the objective of understanding urban aesthetics. The urban environment as a source of stimulation for the senses is examined from the perspective of different fields of enquiry.

URBP 622 PLANNING PROJECT 1. (6) (studio) This studio introduces practical problems based on real world cases. Material covered includes: problem definition; data sources, collection and analysis; goal setting; the creative process; problem solving; and policy implications. Students work in interdisciplinary groups. Each studio terminates with an oral and graphic presentation of work to which expert critics are invited. Progress is evaluated according to performance in class, in the oral presentation, and on written reports.

URBP 623 PLANNING PROJECTS 2. (3) This studio introduces practical problems based on real world cases. Material covered includes: problem definition; data sources, collection and analysis; goal setting; the creative process; problem solving; and policy implications. Students work in interdisciplinary groups. Each studio terminates with an oral and graphic presentation of work to which expert critics are invited. Progress is evaluated according to performance in class, in the oral presentation, and on written reports.

- **URBP 624 PRINCIPLES AND PRACTICE OF PLANNING 1.** (2)

URBP 625 PRINCIPLES AND PRACTICE 2. (2) This six-week intensive course exposes students to issues and techniques which are applicable in diverse professional planning contexts that vary in terms of their subject matter, location, scale and the role played by planners. The course focusses on a specific case study and is taught by a visiting lecturer with experience in the selected subject area. Course topics are systematically varied over a two-year cycle.

URBP 626 PRINCIPLES AND PRACTICE 3. (2)

- **URBP 628 PRACTICAL EXPERIENCE.** (6)

URBP 630 SUPERVISED RESEARCH PROJECT 1. (3) The Supervised Research Project is intended to focus a student's interests on a particular area of enquiry at the end of studies for a Master's Degree in Planning. It should ideally provide the transition into practice or more advanced studies. Joint research projects are allowed.

URBP 631 SUPERVISED RESEARCH PROJECT 2. (6) Continuation of the requirements for the Supervised Research Project.

URBP 632 SUPERVISED RESEARCH PROJECT 3. (6) Continuation of the requirements for the Supervised Research Project.

Courses offered jointly by the School and other academic units

ARCH 550 URBAN PLANNING 1. (3) (2-0-7) (Prerequisite: B.Sc.(Arch.) or permission of instructor) (Not normally open to Urban Planning students) Theory and practice. An examination of different basic approaches to urban planning with special reference to Quebec.

ARCH 551 URBAN PLANNING 2. (3) (2-1-6) (Prerequisite: ARCH 550) Urban design and project development, theory and practice. Detailed analysis of selected examples of the development process and of current techniques in urban design. Includes case studies from Quebec and elsewhere.

CIVE 433 URBAN PLANNING. (3) (3-1-5) (Prerequisites: CIVE 421 and MIME 310. Corequisite: CIVE 319) The City in History. The

planning profession, evolution of planning in North America, Canada and Quebec. Planning theories, the general or master plan, planning processes and techniques, planning and design of residential subdivisions. Local planning issues, housing policies, planning laws.

CIVE 540 URBAN TRANSPORTATION PLANNING. (3) (3-1-5) (Prerequisite: CIVE 319 or permission of instructor.) Process and techniques of urban transportation engineering and planning, including demand analysis framework, data collection procedures, travel demand modelling and forecasting, and cost-effectiveness framework for evaluation of project and system alternatives.

GEOG 351 QUANTITATIVE METHODS. (3) (Fall) (3 hours) (Prerequisite: GEOG 203 or permission of instructor) Survey design; uni- and multi-dimensional scaling; cost-benefit analysis and matrix methods of plan evaluation; multiple regression and correlation; logic models; gravity models; population projection.

PUB1 004 LAND USE PLANNING. (3) A comparative study of private and public control of land use and development, involving master plans, zoning bylaws, subdivision control, urban re-development, expropriation, and regional planning.