environmental management training, the labouring poor, literacy, and foreign investment.

Graduate students with an interest in international development can apply to become fellows.

23 Dietetics and Human Nutrition

School of Dietetics and Human Nutrition
Room MS2-039, Macdonald-Stewart Building
Macdonald Campus, McGill University
21,111 Lakeshore Road
Ste-Anne-de-Bellevue, QC
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Email: laduke@agradm.lan.mcgill.ca
Website: http://www.agrenv.mcgill.ca/dietetic

Director — K. Gray-Donald

23.1 Staff

Emeritus Professor
H.R. Neilson; B.H.S., M.Sc.(McG.)

Professors
P.J.H. Jones; B.Sc., M.Sc.(Br.Col.), Ph.D.(Tor.)
H.V. Kühnlein; B.S.(Penn. St.), M.S.(Oregon St.), Ph.D.(Calif.)
(joint appt. with Faculty of Medicine)

Associate Professors
K. Gray-Donald; B.Sc., Ph.D.(McG.) (joint appt. with Epidemiology and Biostatistics, Faculty of Medicine)
T.A. Johns; B.Sc.(McM.), M.Sc.(Br.Col.), Ph.D.(Mich.) (joint appt. with Plant Science)
K.G. Koski; B.S., M.S.(Washington), Ph.D.(Calif.) (joint appt. with McGill Nutrition and Food Science Centre, and Division of Experimental Medicine, Faculty of Medicine)

S. Kubow; B.Sc.(McG.), M.Sc.(Tor.), Ph.D.(Guelph)
L. Thibault; B.Sc., M.Sc., Ph.D.(Laval)

Assistant Professors
D.J. Bissonnette; B.Sc.(McG.), Ph.D.(Tor.)
L. Chan; B.Sc., M.Sc.(Hong Kong), Ph.D.(London) (joint appt. with Natural Resources Sciences, and Food Science and Agricultural Chemistry)
O. Receveur; B.Sc., M.Sc., Ph.D.(Calif.)
L.J. Wykes; B.Sc., M.Sc., Ph.D.(Tor.)

Cross-Appointed Professors
F. Carli (Anaesthesia); K. Cialfone (Medicine);
L.J. Hoffer (Medicine); E.B. Marliss (Medicine);
M.E. Scott (Parasitology); S. Young (Psychiatry)

Associate Members
L. Beaumier (Montreal Children's Hospital); S. Kermasha (Food Sc./Agr. Chem.); R. Gougeon (Medicine); J.F. Yale (Medicine)

Adjunct Professors
K.A. Cockell (Health Canada), J.S. Cohn (Clinical Research Inst. of Canada), S.-H. Shen (National Research Council Canada)

23.2 Programs Offered

M.Sc., M.Sc.(Applied) and Ph.D. in Human Nutrition.

Candidates may conduct research in areas of nutritional biochemistry, clinical nutrition, community or international nutrition. In addition, eligible candidates may complete the equivalent of a Dietetic Internship for membership in the professional association for registration as Dietitians and Nutritionists in Canada. The M.Sc. (Applied) provides an opportunity to undertake course work and an applied project or advanced professional practice. For details on eligibility, required courses, etc., please contact the University Coordinator (Email: starkey@agradm.lan.mcgill.ca).

Research Facilities: Students may conduct research at the School of Dietetics and Human Nutrition, including the Mary Emily Clinical Nutrition Research Unit, the Centre for Indigenous Peoples' Nutrition and Environment (CINE), or at the McGill University Health Centre.

23.3 Admission Requirements

M.Sc.

Applicants must be graduates of a university of recognized reputation and hold a B.Sc. degree equivalent to a McGill Honours degree in a subject closely related to the one selected for 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. Some Major Programs (at McGill and elsewhere) contain the necessary amount of specialization and may qualify the applicant for consideration. High grades are expected in courses considered by the School to be preparatory to the graduate program.

Admission for M.Sc. studies requires at least a cumulative grade point average (CGPA) in McGill University's credit equivalency of 3.2/4.0 during the last four full-time semesters of a completed Bachelor's degree program in nutrition or a closely related field.

Students with limitations in their academic background may be admitted into a qualifying program for a maximum of two semesters if they have met the School's minimum CGPA of 3.2 of 4.0. Successful completion of a qualifying program does not guarantee admission to a degree program.

M.Sc. (Applied)

Candidates must have a B.Sc. (Nutritional Sciences) or equivalent, with a dietetic internship or, be eligible to enter a dietetic internship program. Six months work experience in dietetics/nutrition practice is required for admission into the program.

Ph.D.

Admission for Ph.D. studies normally requires a M.Sc. in an area related to the chosen field of specialization.

23.4 Application Procedures

Applications for Admission and all supporting documents must be sent directly to:
Student Affairs Office (Graduate Studies)
Macdonald Campus of McGill University
21,111 Lakeshore
Ste-Anne-de-Bellevue, Québec
H9X 3V9 CANADA

Telephone: (514) 398-7708
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.

Deadlines – For international students, complete applications with supporting documents must reach the Student Affairs Office (Graduate Studies) at Macdonald Campus at least eight months prior to the intended start of program. May 1 for January (winter); September 1 for May (summer); January 1 for September (fall). For domestic students, complete applications with supporting documents must reach the office no later than three months in advance of intended start of program.

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. Certified personal cheque in Cdn.$ drawn on a Canadian bank;
2. Certified personal cheque in U.S.$ drawn on a U.S. bank;
3. Canadian Money order in Cdn.$;
5. Bank draft in Cdn.$ drawn on a Canadian bank;
6. Bank draft in U.S.$ drawn on a U.S. bank;
7. Credit card (by completing the appropriate section of the application form).

Transcripts – Two official copies of all transcripts 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. DOCUMENTS SUBMITTED WILL NOT BE RETURNED.

Letters of Recommendation – Two letters of recommendation on letterhead 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) or IELTS (minimum 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); department code is 31 (graduate school), Biological Sciences - Agriculture.

Graduate Record Exam (GRE) – The GRE is required for all applicants to the School of Dietetics and Human Nutrition who are submitting non-Canadian and non-U.S. transcripts.

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 Faculty of Graduate Studies and Research 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 the Faculty of Graduate Studies and Research, 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.

23.6 Courses

Some courses are given every second year. The course credit weight is given in parentheses (#) after the course title.

382-501A NUTRITION IN DEVELOPING COUNTRIES. (3) (2 lectures and 1 seminar) (Prerequisite: Consent of instructor.) This course will cover the major nutritional problems in developing countries. The focus will be on nutrition and health and emphasize young children and other vulnerable groups. The role of diet and disease for each major nutritional problem will be discussed. Staff

382-511B NUTRITION AND BEHAVIOUR. (3) (2 lectures and 1 seminar) (Prerequisite: 382-445A for undergraduate students or consent of instructor.) Discussion of knowledge in the area of nutrition and behaviour through lectures and critical review of recent literature; to discuss the theories and controversies associated with relevant topics; to understand the limitations of our knowledge. Topics such as diet and brain biochemistry, stress, feeding behaviour and affective disorders will be included. Professor Thibault

382-512A,B HERBS, FOODS AND PHYTOCHEMICALS. (3) (3 lectures) (Prerequisite: Biochemistry I and permission of instructor.) An overview of the use of herbal medicines and food phytochemicals and the benefits and risks of their consumption. The physiological basis for activity and assessment of toxicity will be presented. Current practices relating to the regulation, commercialization and promotion of herbs and phytochemicals will be considered. Professor Johns

382-600A,B ADVANCED CLINICAL NUTRITION I. (3) (3 lectures) (Prerequisites: Courses in human nutrition, biochemistry and physiology and permission of instructor.) Application of nutrition knowledge in the therapy and support of humans in various physiological and pathological states. The etiology, biochemistry and pathology of various medical disorders; their nutritional assessment and treatment

382-600A,B ADVANCED CLINICAL NUTRITION II. (3) (3 lectures) (Prerequisites: 382-377B, 382-344B, 382-445A or equivalent and permission of instructor.) Application of advanced clinical nutrition knowledge in the therapy and support of humans in various physiological and pathological states. The etiology, biochemistry and pathology of various medical disorders not included in 382-600A; their nutritional assessment and treatment

382-602A,B ADVANCED NUTRITIONAL STATUS ASSESSMENT. (3) (1 lecture and 1 lab) (Prerequisites: courses in human nutrition, biochemistry and physiology.) The understanding and evaluation of dietary and anthropometric indices used in the nutritional assessment of individuals and groups.

382-603A,B NUTRITIONAL TOXICOLOGY. (3) (Prerequisites: courses in human nutrition, biochemistry and physiology.) Combined lectures and tutorials cover topics in mechanisms of nutrient modulation of xenobiotic toxicities; effects of nutrient excess and malnutrition on drug metabolism and toxicity; biogeography and hazards of environmental contaminants and food toxins; and nutrient effects on teratogenesis and carcinogenesis.

Professors Chan and Johns

382-604B INTEGRATED METABOLIC RESEARCH. (3) (2 seminars and 1 lab visit) (Prerequisites: at least one 500 or 600-level course in nutritional biochemistry, e.g. 342-551B, 342-552B, 342-634B,
and permission of instructor.) An in-depth analysis of concepts and investigative approaches to in vivo metabolic nutrition research. Seminars will emphasize stable isotope kinetic studies. Visiting scientists and tours of other laboratories will expose students to different approaches to research. Professor Wykes

382-606A,B RESEARCH METHODS IN HUMAN NUTRITION. (3) (3 lectures) (Prerequisites: A graduate course in statistics or permission of the instructor.) Basic approaches, philosophy and techniques used in nutrition research with human population groups. The course will include the formation and criticism of designs for research, sampling techniques, measurement and analysis issues and human research ethics. Professor Gray-Donald

382-608A,B SPECIAL TOPICS I. (3) (Prerequisite: permission of instructor and Director of School. Restricted to graduate students in Nutrition.) Prescribed reading, conference, lectures, assignments and/or practical work on selected topics in student's area of specialization. An approved course outline must be on file in the School's office prior to registration. Staff

382-609A,B SPECIAL TOPICS II. (3) (Prerequisite: permission of instructor and Director of School. Restricted to graduate students in Nutrition.) An individualized course to allow students to undertake projects in library, laboratory, or field study. An approved course outline must be on file in the School's office prior to registration. Staff

382-610B MATERNAL AND CHILD NUTRITION. (3) Advanced discussion of the scientific basis for nutrient requirements during pregnancy, lactation, and infant nutrition in humans and comparative animal species; milk and formula composition; malnutrition and supplemental feeding programs in developed and developing countries; nutrient requirements and controversial issues in childhood and adolescent nutrition. Professor Kuhnlein

382-620A NUTRITION OF INDIGENOUS PEOPLES. (3) (Prerequisite: One course in nutritional sciences.) In depth study of nutritional and environmental issues related to indigenous people in Canada and elsewhere. Changing patterns of food use; health related to diet; systems of traditional and market food; techniques and ethics of nutritional and environmental research with indigenous peoples. Professor Kuhnlein

382-651A,B,C M.Sc. (APPLIED) NUTRITION I. (3) (Corequisites: 382-606, 382-695) Review of literature and problem definition for both the project option or for placement preparation for practicum option. This course relates to the Human Nutrition M.Sc. (Applied) degree and is required for both project and practicum options.

382-652A,B,C M.Sc. (APPLIED) PROJECT I. (3) (Prerequisite: 382-651) Project design and execution.

382-653A,B,C M.Sc. (APPLIED) PROJECT II. (3) (Prerequisite: 382-652) Project execution. This project relates to the Human Nutrition M.Sc. (Applied) degree.

382-654A,B,C M.Sc. (APPLIED) PROJECT III. (3) (Prerequisite: 382-653) Continuation of project execution and data collection; preliminary analysis. This project relates to the Human Nutrition M.Sc. (Applied) degree.

382-655A,B,C M.Sc. (APPLIED) PROJECT IV. (3) (Prerequisite: 382-654) Data analysis. Submission of project report. This project relates to the Human Nutrition M.Sc. (Applied) degree.

382-656A,B,C M.Sc. (APPLIED) PRACTICUM I. (3) (Prerequisite: 382-651) Clinical or community placement (4 weeks). Submission of placement report. This practicum relates to the Human Nutrition M.Sc. (Applied) degree.

382-657A,B,C M.Sc. (APPLIED) PRACTICUM II. (3) (Prerequisites: 382-656) Continuation of placement (4 weeks). Submission of placement report. This practicum relates to the Human Nutrition M.Sc. (Applied) degree.

382-658A,B,C M.Sc. (APPLIED) PRACTICUM III. (3) (Prerequisite: 382-657) Continuation of placement (4 weeks). Submission of placement report. This practicum relates to the Human Nutrition M.Sc. (Applied) degree.

382-659A,B,C M.Sc. (APPLIED) PRACTICUM IV. (3) (Prerequisites: 382-658) Continuation of placement (4 weeks). Submission of placement report. This practicum relates to the Human Nutrition M.Sc. (Applied) degree.

382-660A,B,C M.Sc. (APPLIED) NUTRITION II. (3) (Prerequisites: 382-653; 382-659 or 382-665) Oral presentation. This presentation relates to the Human Nutrition M.Sc. (Applied) degree, and project and practicum options.

382-680A,B,D,N HUMAN NUTRITION M.Sc. THESIS I. (6) Independent research under the direction of a supervisor toward completion of the M.Sc. thesis.

382-681A,B,D,N HUMAN NUTRITION M.Sc. THESIS II. (6) Independent research under the direction of a supervisor toward completion of the M.Sc. thesis. Presentation of a thesis proposal.

382-682A,B,D,N HUMAN NUTRITION M.Sc. THESIS III. (9) Independent research under the direction of a supervisor toward completion of the M.Sc. thesis.


382-695A,B HUMAN NUTRITION SEMINAR I. (1) Students will present a recent original research article in which the methods and data presentation will be critically analyzed. The article must be approved by the instructor.

382-696A,B HUMAN NUTRITION SEMINAR II. (3) Students will present a recent original research article in which the methods and data presentation will be critically analyzed. The article must be approved by the instructor.

382-701A,B DOCTORAL COMPREHENSIVE EXAMINATION. (See Faculty Regulations)

382-797A,B HUMAN NUTRITION SEMINAR III. (1) Doctoral candidates will present a recent original research article in which the methods and data presentation will be critically analyzed. The article must be approved by the instructor.

382-798A,B HUMAN NUTRITION SEMINAR IV. (1) Doctoral candidates will present a recent original research article in which the methods and data presentation will be critically analyzed. The article must be approved by the instructor.

For additional courses in nutrition, see the Department of Animal Science.

24 Earth and Planetary Sciences

Department of Earth and Planetary Sciences
Frank Dawson Adams Building
3450 University Street
Montreal, QC, Canada H3A 2A7
Telephone: (514) 398-6767
Fax: (514) 398-4680
Email: CAROL@EPS.MCGILL.CA
Website: http://www.eps.mcgill.ca

Chair — A.E. Williams-Jones

24.1 Staff

Emeritus Professors
E.W. Mountjoy; B.A.Sc.(Br.Col.), Ph.D.(Tor.)
W.H. MacLean; B.Geol.Eng.(Colo. Sch. of Mines), M.Sc.(A), Ph.D.(Mo.G.)
C.W. Storm; B.Sc.(McM.), M.S., Ph.D.(Yale), F.R.S.C.

Professors
J. Arkani-Hamed; B.Eng.(Tehran), Ph.D.(M.I.T.)
R. Doig; B.Sc., M.Sc., Ph.D.(McG.)
D. Francis; B.Sc.(McG.), M.Sc.(Br.Col.), Ph.D.(M.I.T.)
A.J. Hynes; B.Sc.(Tor.), Ph.D.(Cantab.)
AREAS OF RESEARCH

Earth and Planetary Sciences

- Sedimentary Geology
  - Sedimentology of modern and ancient continental margins (clastic sediments, diagenesis, marine geology and plate tectonics); sedimentation and diagenesis, ancient and modern carbonates, Cordilleran structure and stratigraphy.

- Tectonics
  - Tectonics and structural geology, transgression in the Canadian Cordillera, origin of the Hudson Bay Arc, gravity features of sutures in the Canadian Shield, uplift of the Laurentides, paleomagnetism and plate motions.

- Geophysical potential fields, dynamics of planetary interiors; non-orogenic magmatism, alkali feldspars as indicators of magmatic and post-magmatic processes; high-temperature geochemistry, experimental investigation of petrogenetic processes, structure and properties of silicate melts and glasses, physical and chemical controls on volcanic eruptions.

- Earth and planets: the magnetosphere, the external radiation belts, magnetohydrodynamic models of the core dynamo, geochemical convection in the core, fluid-dynamic motions of the outer core, dynamics of the inner core.

- Earth and planets: the magnetic field of the Earth under static and dynamic loads, the magnetic field of the Earth, moon and planets, body and orbital dynamics of the Earth, moon and planets, high-quality geodynamics and geophysical systems analysis.

- Geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophysics, geophys
186-540B PHANEROZOIC GEOLOGY OF NORTH AMERICA. (3)

186-542A CHEMICAL OCEANOGRAPHY. (3) (Prerequisites: 180-213A,B, 180-257D or equivalents, or registration in Graduate Program in Oceanography.)

186-545B LOW TEMPERATURE GEOCHEMISTRY AND DIAGENESIS. (3) (Prerequisites: 180-203A/213B, 186-212B, 186-312B)

186-546A DIAGENESIS OF SEDIMENTARY ROCKS. (3) (2 lecture, 3 lab/seminars) (Prerequisites: 186-212B, 186-220B, 186-312A)

186-547A THERMOCHEMISTRY OF HIGH-TEMPERATURE GEOLOGICAL SYSTEMS. (3) (Prerequisites: 180-203/4 or 180-213 or permission of instructor.)

186-548A MECHANISMS OF IGNEOUS PETROGENESIS. (3) (2 hours lecture, 1 hour seminar) (Prerequisite: 186-423B) Investigation of the primary mechanisms causing the diversity of igneous rock compositions on the Earth, other planets, asteroids, and meteorite parent bodies.

Professor Baker

186-549B HYDROGEOLOGY. (3) (3 hours lecture, 1-2 hours lab) (Prerequisite: permission of the instructor)

186-550A SELECTED TOPICS IN EARTH & PLANETARY SCIENCES I. (3) (3 hours lecture) (Prerequisites: 180-203A/B, 180-257D or equivalents, or registration in Graduate Program in Oceanography.) (See 186-632A for description)

Professor Williams-Jones

186-551B SELECTED TOPICS IN EARTH & PLANETARY SCIENCES II. (3) (3 hours seminar, permission of Department undergraduate adviser) Research seminar and readings in topics concerning some aspects of current development in geological sciences.

Staff

186-557B COSMOCHEMISTRY. (3) (3 hours lecture) (Prerequisites: 186-220B, 186-210A or permission of instructor.) Examines the implications of phase equilibria and the compositions of meteorites and the solar system for the formation and internal differentiation of the terrestrial planets and the nature of chemical fractionation processes in both planetary interiors and the solar system as a whole.

Professors Francis and Baker

186-580A AQUEOUS GEOCHEMISTRY. (3) (3 hours lecture) (Prerequisites: 186-210A, 186-212B or permission of instructor.) The use of chemical thermodynamics to study fluid-rock interactions with an emphasis on the aqueous phase. The course introduces basic concepts and discusses aqueous complexation, mineral-surface adsorption, and other controls on crustal fluid compositions. Applications range from considering contaminated groundwater systems to metamorphic reactions.

Professor Mucci

186-601A PETROLOGY OF FELSIC IGNEOUS ROCKS. (3) (Prerequisite: 186-423A or equivalent.)

186-603B PETROLOGY OF MAFIC IGNEOUS ROCKS. (3) (Prerequisite: 186-423A or equivalent.)

186-604D ORE PETROLOGY. (6) (3 hours lecture or seminar) Application of geochemistry and petrology to the study of selected ore types.

Professor Williams-Jones

186-613A REGIONAL STRUCTURAL ANALYSIS. (3) (2 hours lectures, 2 hours lab)

186-631E FIELD STUDIES IN OROGENIC BELTS. (3) (2-week field course in May, plus assigned papers)

186-632A TOPICS IN ADVANCED GEOPHYSICS I. (3) (3 hours lecture, tutorial seminar) Selected, current topics in geophysical research as relevant to the background preparation of students registered for research degrees in geophysics.

Geophysics Staff

186-633B TOPICS IN ADVANCED GEOPHYSICS II. (See 186-632A for description)

186-634A EVOLUTION OF PLANETS. (3)

186-644A TOPICS IN ADVANCED EARTH SCIENCES I. (3) (3 hours lectures or seminars) A survey of a research topic of particular current interest.

Staff

186-645B TOPICS IN ADVANCED EARTH SCIENCES II. (3) (3 hours lectures or seminars) A survey of a research topic of particular current interest.

Staff

186-646D TOPICS IN ADVANCED EARTH SCIENCES III. (6) (3 hours lectures or seminars)

186-650A GREENSTONE BELTS, (3) (2 hours lecture, 3 hours lab)

186-655B LITHOGEOCHEMISTRY OF ALTERED ROCKS. (3) (2 hours lecture, 3 hours lab)

186-660D SEMINAR IN OCEANOGRAPHY. (2)

186-667A,B Thesis Preparation I. (9) Independent study, theoretical and/or laboratory work in connection with the development of an M.Sc. thesis. Success in the course is dependent on presentation of an adequate progress report to the supervisory committee.

186-668A,B Thesis Preparation II. (12) Independent study, theoretical and/or laboratory work in connection with the development of an M.Sc. thesis. Success in the course is dependent on presentation of an adequate progress report to the supervisory committee.

186-669A,B Thesis Preparation III. (12) Independent study, theoretical and/or laboratory work in connection with the development of an M.Sc. thesis. Success in the course is dependent on presentation of an adequate progress report to the supervisory committee.

186-700D PRELIMINARY DOCTORAL EXAMINATION.

186-706D ADVANCED SEDIMENTOLOGY. (6) (2 hours lectures or seminar and 3 hours lab)

186-708D ADVANCED STRATIGRAPHY. (6) (3 hours lectures or seminar)

186-710A GEOTECTONICS. (3) (2 hours lectures or seminars) Plate tectonics and orogenesis. Plate tectonics in the geologic past. Problems of tectonic evolution in Precambrian time.

Professor Hynes

186-713A ECONOMIC GEOLOGY I. (3) (3 hours seminar) (Prerequisite: undergraduate course in economic geology or permission of the instructor.) Physicochemical controls of hydrothermal mineral deposition. Discussion of fluid inclusion theory and application; stable isotope systematics, wall-rock alteration; ore mineral solubility and speciation; and mechanisms of mineral deposition.

Professor Williams-Jones

186-713B ECONOMIC GEOLOGY II (3) (3 hours seminar) (Prerequisite: undergraduate course in economic geology or permission of the instructor.) Genesis of hydrothermal mineral deposits. Discussion of geological setting, fluid and metal sources, method of metal transport, and factors controlling metal concentration for a selection of hydrothermal mineral deposit types.

Professor Williams-Jones

186-715B INSTRUMENTAL ANALYSIS. (3) (3 hours lectures, 3 hours lab) Application of analytical instrumental techniques to obtaining reliable chemical data from complex (geological and environmental) materials, and evaluation of the data in problem solving. Electron Microprobe Analysis (WDS and EDS), Scanning Electron Microscopy, X-ray Fluorescence Spectrometry, X-ray Diffraction,
25 East Asian Studies

Department of East Asian Studies
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Chair — K. Dean
Chair of Graduate Program — G. Fong

25.1 Staff

Professor
R.D.S. Yates; B.A., M.A.(Oxon.), M.A.(Calif.), Ph.D.(Harv.)

Associate Professors
K. Dean; B.A.(Brown), M.A., Ph.D.(Stan.)
G. Fong; B.A., M.A.(Tor.), Ph.D.(Br. Col.)
T. Lamarre; B.A.(Georgetown), M.A., Ph.D.(Chic.), D.Sc.(Aix-Marseille II)

Assistant Professors
T. Looser; B.A.(UC Santa Cruz), M.A., Ph.D.(Chic)
J. Solomon; B.A.(Brown), M.A., Ph.D.(C'nell)

Faculty Lecturers
J. Chang; B.A.(Taiwan), M.A.(Harv.)
S. Hasegawa; M.A.(Montr.)
M. Kim; B.A., M.A.(Montr.)
K. Merken; B.A.(Tor.), M.A., Ph.D.(Calif.), Ph.D.(Br.Col.)
B. Wang; B.A.(Heilongjiang), M.A.(Calgary)

25.2 Programs Offered

Master's in East Asian Studies (Ad Hoc).
Ph.D. in East Asian Studies (Ad Hoc).

25.3 Admission Requirements

General
TOEFL and GRE (if applicable).

Applicants who have an undergraduate degree from outside Canada will need to take the Graduate Record Examination. A minimum TOEFL score of 575 is required for all applicants whose native language is not English.

Master’s

Applicants must hold, or expect to hold by September of the year of entry, a bachelor's degree for entry into the M.A. program. Applicants should have a Bachelor of Arts degree with a specialization in East Asia; applicants without this specialization who possess a strong disciplinary background are also invited to apply. Those who have experience with an Asian language, but no formal course work, will be required to take a placement test on admission. Those without knowledge of an Asian language will be required to take three qualifying terms (fall, winter, summer) in which they will complete the second year of language; a minimum of a B+ average must be maintained.

Ph.D.

Applicants must hold, or expect to hold by September of the year of entry, a master's degree in East Asian Studies for entry into the Ph.D. program.

25.4 Application Procedures

Applications will be considered upon receipt of:
1. application form;
2. two copies of official transcripts sent by the university;
3. two letters of reference;
4. $60 application fee;
5. current curriculum vitae (resumé) and a statement of purpose (approximately 500 words for Master’s and 10 pages for Ph.D.) indicating the field in which the applicant wishes to study and the reasons for applying to the program.

All of the above should be submitted directly to the Graduate Director, Department of East Asian Studies.

Deadline: March 1st for September admissions

25.5 Program Requirements

Program Requirements for the M.A. Degree (Ad Hoc) (45 credits)

The Department only offers a thesis option. The M.A. program with thesis includes:

a) four 3-credit courses (12 credits),
b) one 3-credit seminar in theory/methodology (3 credits),
c) one 6-credit seminar or two 3-credit seminars (6 credits), and
d) thesis (24 credits).

Depending on the particular program of study, students who need further language training may take 9 credits in a third or fourth year modern Asian language, or 9 credits in a second Asian language, or 6 credits in a classical (literary) Asian language.

Students who wish to improve their Asian language abilities may take 18-credits in third and fourth year modern language and 9 credits of a second Asian language; or nine credits of a third or fourth year language and 6 credits in classical language.

Program Requirements for the Ph.D. Degree (Ad Hoc)

After successfully completing the M.A. degree or its equivalent (45 credits minimum), a student will be admitted to the second year of the Ph.D. program. The Graduate Studies Committee will assign an advisory committee to advise the student and specify the student's course program.

Exceptional students with appropriate background at the undergraduate level may be admitted directly into the Ph.D. program.

Students must complete at least 24 course credits, the equivalent of four full courses, with a grade point average of 3.5 or better: this course work must be chosen to identify three distinct fields for the Comprehensive Evaluation. Students may take up to two 3-credit courses or one 6-credit course in another department with the approval of the Graduate Studies Committee.
There are four requirements for obtaining the Doctoral degree:

1) Course work – 24 credits at the 600 or 700 level.
2) Language – Candidates will be required to demonstrate reading knowledge of a second Asian language, which may include either modern or literary (classical) language, in addition to the primary Asian language of their research. Candidates will also be expected to demonstrate reading knowledge of both French and English. They may also be required to take a third European language, classical (literary) Chinese, or Japanese, if the Graduate Studies Committee decides those languages are essential for the candidate’s research.
3) Ph.D. Comprehensive Evaluation – After the session in which the course work is completed, and no more than one year later except in exceptional circumstances and approved by the Graduate Studies Committee, a candidate will be required to pass the Comprehensive evaluation.
4) Doctoral Dissertation – Within six months after successful completion of the Ph.D. Comprehensive Evaluation, doctoral students should submit to the Graduate Studies Committee, after consultation with the Graduate Program Director and their potential thesis supervisor, a thesis proposal not exceeding five pages. Before submission of the dissertation, candidates are normally required to spend time in Asia researching their project. Research leading to original scholarship is a pre-requisite for the acceptance of a Ph.D. thesis.

25.6 Courses for Graduate Students (M.A. and Ph.D.)

Please consult the Department to see which courses are being given in any one academic year.

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

117-501A ADVANCED TOPICS IN JAPANESE STUDIES I. (3)
117-502B ADVANCED TOPICS IN JAPANESE STUDIES II. (3)
117-503A ADVANCED TOPICS IN CHINESE STUDIES I. (3)
117-504B ADVANCED TOPICS IN CHINESE STUDIES II. (3)
117-515A, B SEMINAR: BEYOND ORIENTALISM. (3)
117-529A, B CONTEMPORARY CHINA: ANALYSIS OF CHANGE. (3)
117-530D FOURTH LEVEL CHINESE. (6)
117-537D CHINA TODAY THROUGH TRANSLATION. (6)
117-540D FOURTH LEVEL JAPANESE. (6)
117-543A, B CLASSICAL JAPANESE I. (3)
117-544A, B CLASSICAL JAPANESE II. (3)
117-547A, B ADVANCED READING AND TRANSLATION IN JAPANESE. (3)
117-550A, B CLASSICAL CHINESE POETRY. (3)
117-551A, B TECHNOLOGIES OF THE SELF IN EARLY CHINA. (3)
117-559A, B ADVANCED TOPICS IN CHINESE LITERATURE. (3)
117-562A, B JAPANESE LITERARY THEORY AND PRACTICE. (3)
117-563A, B IMAGES, IDEOGRAMS, AESTHETICS. (3)
117-564A, B STRUCTURES OF MODERNITY: JAPAN. (3)
117-569A, B ADVANCED TOPICS IN JAPANESE LITERATURE. (3)
117-580A, B JAPAN: THE SOCIOPOLITICAL FRAMEWORK. (3)
117-584A, B INDUSTRY IN JAPAN. (3)
117-590A, B MULTIPLE NARRATIVES OF THE "ORIENT". (3)
117-600A, B EAST ASIAN STUDIES I. (3)
117-601A, B EAST ASIAN STUDIES II. (3)
117-651A, B SEMINAR IN TAOIST STUDIES I. (3)
117-652A, B SEMINAR IN TAOIST STUDIES II. (3)
117-653A, B CHINESE POPULAR CULTURE I. (3)
117-654A, B CHINESE POPULAR CULTURE II. (3)
117-655A, B PREMODERN CHINESE POETRY. (3)
117-656A, B PREMODERN CHINESE NARRATIVE. (3)
117-657A, B WOMEN'S WRITINGS IN TRADITIONAL CHINA. (3)
117-660A, B SEMINAR: JAPANESE FICTION. (3)
117-661A, B PREMODERN JAPANESE POETRY AND NARRATIVE. (3)
117-662A, B SEMINAR: POPULAR CULTURE IN JAPAN. (3)
117-663A, B SEMINAR: JAPANESE CULTURE AND THOUGHT. (3)
117-668A, B SEMINAR: SOCIAL CHANGE IN JAPAN. (3)
117-662A, B HEALTH AND WELFARE IN JAPAN. (3)
117-680A, B THESIS RESEARCH I. (3)
117-681A, B THESIS RESEARCH II. (3)
117-692A, B THESIS RESEARCH III. (3)
117-693A, B THESIS RESEARCH IV. (3)
117-694A, B THESIS RESEARCH V. (3)
117-695A, B THESIS RESEARCH VI. (3)
117-696D THESIS RESEARCH VII. (6)
117-700D EAST ASIAN STUDIES III. (6)
117-701D PH.D. COMPREHENSIVE. (6)
117-750A, B CHINESE LITERARY THEORY AND CRITICISM. (3)
117-780A, B SOCIAL STRATIFICATION IN JAPAN. (3)

Courses in Other Departments

Department of Anthropology

151-654A, B Anthropology of China. (3)

Department of History

101-611D Seminar in Traditional Chinese History. (6)
101-618A, B Readings in East Asian History. (3)
101-658D Seminar in Chinese History. (6)
101-668D Japanese Intellectual History. (6)

Department of Political Science

160-649A, B The Mass Approach to Political Development: China. (3)

Faculty of Management

270-625A, B Asia Pacific Management. (3)
272-685A, B Cross Cultural Management. (3)

Faculty of Religious Studies

260-546A, B Indian Philosophy. (3)
260-548A, B Indian Buddhist Metaphysics. (3)
260-549A, B East Asian Buddhist Philosophy. (3)
260-557A, B Asian Ethical Systems. (3)
260-651A, B Indian Buddhist Philosophy. (3)
260-653A, B Visistadvaita Vedanta. (3)
260-655A, B Buddhist Epistemology. (3)
260-658A, B Japanese Buddhist Philosophy. (3)
260-687A, B Research in Comparative Religions I. (3)

26 Economics

Department of Economics

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Website: http://www.arts.mcgill.ca/programs/econ

Chair — Christopher Green

26.1 Staff

Emeritus Professors

Earl F. Beach; B.A.(Queen's), A.M., Ph.D.(Harv.)
Irving Brecher; B.A.(McG.), M.S., Ph.D.(Harv.)
Kari Polanyi-Levitt; B.Sc.(Lond.), M.A.(Tor.)

Professors

Robert D. Cairns; B.Sc.(Tor.), Ph.D.(M.I.T.)
Antal Deutsch; B.Com.(Sir G. Wms.), Ph.D.(McG.)
Christopher Green; M.A.(Conn.), Ph.D.(Wis.)
Joseph Greenberg; B.A., M.A., Ph.D.(Heb. U. of Jer.)
Jagdish Handa; B.Sc.(Lond.), Ph.D.(Johns H.)
Ngo van Long; B.C.(LaT.), Ph.D.(A.N.U.)
Robin Thomas Naylor; B.A.(Tor.), M.Sc.(Lond.), Ph.D.(Cantab.)
J.C. Robin Rowley; B.Sc., M.Sc., Ph.D.(Lond.)

Associate Professors
Venkatesh Balasubramanian; B.A.(Delhi), M.B.A.(Indian Inst. of Mgmt), M.A., Ph.D.(C'nell)
Myron Frankman; B.Mgt.E.(Renss.), Ph.D.(Texas)
John Galbraith; B.A., Queen's), M.Phill., D.Phill.(Oxon.)
George Grantham; B.A.(Antioch), M.A., Ph.D.(Yale)
Franque Grimard; B.A.(York), Ph.D.(Prin.)
John Iton; B.A.(McG.), Ph.D.(Johns H.)
C. John Kurien; B.A.(Kerala), M.A., Ph.D.(Vanderbilt)
Mary MacKinnon; B.A.(Queen's), M.Phill., D.Phill.(Oxon.)
Christopher T.S. Ragan; B.A.(Vic. B.C.), M.A.(Queen's), Ph.D.(M.I.T.)
Lee Soderstrom; B.A., Ph.D.(Calif.)
Thomas Velk; M.S., Ph.D. (Wis.)
Alexander Vicas; B.Com.(McG.), M.A., Ph.D.(Prin.)
William Watson; B.A.(Mcg.), Ph.D.(Yale)
Victoria Zinde-Walsh; M.A.(Wat.), M.Sc., Ph.D.(Moscow St.)

Assistant Professors
Suryapratim Banerjee; B.A., M.A.(U. of Akron), Ph.D.(Pitt.)
Daniel Parent; B.A., M.A.(Laval), Ph.D.(Montr.)

Postdoctoral Fellow
Ian Keay; B.A., M.A.(Mcg.), Ph.D.(Br.Col.)

26.2 Programs Offered
Ph.D.

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.

26.3 Admission Requirements
An Honours B.A. in Economics is the normal requirement, although students holding an ordinary B.A., whether in economics or another discipline, may also be eligible for admission. Students judged by the admissions committee to have deficiencies in their preparation in economics may be admitted to a qualifying year in which they undertake advanced undergraduate work.

Students who have not previously passed a suitable course in statistics must take the undergraduate honours statistics course, Economics 154-257D. A course in the history of economic thought is also a prerequisite for a graduate degree in economics, and students who have not taken such a course will be required to take Economics 460A or 461B or 154-660A/B (the M.A. course in History of Economic Thought). Students are also expected to have completed or to complete three semesters of introductory calculus and at least one semester of linear algebra.

26.4 Application Procedures
Applications will be considered upon receipt of:
1. application form;
2. two copies of official transcripts sent by the university;
3. two letters of reference;
4. $60 application fee.

All of the above should be submitted directly to the Graduate Coordinator.

Deadline: February 1st for financial consideration.

26.5 Program Requirements
Lectures and examinations in the graduate program (M.A. and Ph.D.) in Economics are given in Macroeconomics, Microeconomics and several fields: Econometrics; Economic Development; Economic History; Industrial Organization; International Economics; Labour Economics; Monetary Economics; Public Finance; Mathematical Economics; Agricultural Economics; Advanced Theory. Courses at the 600 level are usually taught in the first-term. Seminars/courses at the 700 level are offered in many of the fields listed above. They are generally given in the second term and normally have as a prerequisite the corresponding 600-level course.

Requirements for the M.A. Degree (48 credits)

i. Thesis Option:

The requirements for the Master's degree are:

1. Successful completion of the following courses with a grade in each of at least 65%:
   - 154-610A (3 credits) Microeconomic Theory I
   - 154-620A (3 credits) Macroeconomic Theory I
   - Twelve complementary credits which must include either 154-665A,B (Quantitative Methods) (3 credits) or 154-662D (Econometrics) (6 credits)

A minimum of 6 credits must be taken in the same field.

2. Completion of a Master's thesis, the subject of which must be approved by a thesis committee.

The total thesis program requirement is 48 credits (18 credits of course work and 30 credits for the thesis). An average grade of 70% in approved courses is needed for graduation.

Econometrics 154-662D or equivalent is strongly recommended but will not meet the 6 credit field requirement for the M.A.

ii. Non-thesis option:

1. Successful completion of the following courses with a grade in each of at least 65%:
   - Six required credits:
     - 154-610A (3 credits) Microeconomic Theory I
     - 154-620A (3 credits) Macroeconomic Theory I
     - Eighteen complementary credits which must include either 154-665A,B (Quantitative Methods) (3 credits) or 154-662D (Econometrics) (6 credits)

A minimum of 6 credits must be taken in the same field.

2. A research paper of about 50 pages in length.

The total non-thesis program requirement is 48 credits (24 credits for course work and 24 credits for the research report). An average grade of 70% in approved courses is needed for graduation.

Econometrics 154-662D or equivalent is strongly recommended but will not meet the six credit field requirement for the M.A.

Residency requirement for the M.A. degree: Three full-terms for the M.A. degree one of which can be an approved summer term. Many students are able to complete the M.A. requirements in one calendar year.

Requirements for the Ph.D. Degree

The requirements for the doctoral degree are:

1. 18 credits in Economics beyond the M.A. requirements, including successful completion of the Econometrics course (662D) or its equivalent. Apart from 662 or equivalent, at least two of these courses must be in a single field.
2. Successful completion of the Ph.D. Written Comprehensive Examination.
4. Three years of residence (credit for one year may be granted for master's work at McGill or for graduate study at another university).
Ph.D. Comprehensive Examination. This examination consists of written examinations in Macroeconomics, Microeconomics and two fields. A third field is also required, although this requirement is satisfied by successful completion of two half-year courses in that field.

Doctoral Dissertations Doctoral dissertations make original contributions to the literature. The topic must be approved by a two-person supervisory committee whose Chair is the student’s Director of Research. The completed thesis must be approved by an external examiner as well as by two internal examiners before the student may defend the work at a formal oral examination.

26.6 Courses for Higher Degrees


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

154-525B PROJECT ANALYSIS. (3) (Open to advanced undergraduate students.) (Prerequisite: 154-250D, 154-352D or equivalent.) A course in cost benefit analysis for graduate and advanced undergraduate students. Professor Caix

154-534B PENSION CRISIS. (3) The consequences of commitment moves by governments in the area of old age pensions and the implications of the resulting tax burden. An international perspective will be adopted. Professor Deutsch

154-546A GAME THEORY. (3) (Prerequisite: 154-230D or 154-250D) (Open to advanced undergraduate students.) This course introduces students to game theory, the branch of the social sciences that focuses on the formal modelling and analysis of human interactions and strategic behaviour. Basic concepts in cooperative and non-cooperative games are applied to economic models. Professor Banerjee

154-577B MATHEMATICAL ECONOMICS I. (3) (Prerequisite: 189-301A/B or equivalent) A mathematical treatment of basic economic theory. TBA

154-578A,B MATHEMATICAL ECONOMICS II. (3) (Prerequisite: 154-577A/B) Professor Grimard

154-602A,B ECONOMIC HISTORY. (3) Selected topics in European and North-American economic history are investigated from the standpoint of the interplay of institutional change and quantitative growth.

154-610A MICROECONOMIC THEORY I. (3) This is the first in a two-course sequence in microeconomics. Professor Greenberg

The core microeconomics sequence (610A, 611B) provides a rigorous coverage of the economic foundation upon which economic fields are built. Most of the sequence is devoted to building up this foundation of consumer and firm optimisation (including choice under uncertainty), partial and general equilibrium, and welfare economics. The remainder of 611B covers special topics that vary from year to year. These are likely to be drawn from the following: social choice; externalities and public goods; models of asymmetric information; the principal-agent framework; search; basic game theory.

154-611B MICROECONOMIC THEORY II. (3) This is the second in a two-course sequence in microeconomics. Professor Long

154-620A MACROECONOMIC THEORY I. (3) This course is the first in a two-course sequence in macroeconomics. The course offers a thorough treatment of the fundamentals of macroeconomic theory. Emphasis is placed on the construction of economic models with microeconomic foundations. Topics include market-clearing and non-market-clearing models, capital accumulation, business cycles, monetary policy and fiscal policy. Professor Ragan

154-621B MACROECONOMIC THEORY II. (3) This is the second in a two-course sequence in macroeconomics. The course provides an in-depth analysis of selected issues in macroeconomic theory, extending and complementing the coverage provided in 154-620A. Professor Eberwein

154-622,B PUBLIC FINANCE. (3)

154-623A MONEY AND BANKING. (3) A rigorous analysis of the demand and supply of money and the role that it plays in the economy. Study of the ideas of the major schools of thought in monetary economics. Professor Handa

154-624B INTERNATIONAL ECONOMICS. (3) A detailed examination of theories and policies in international trade and finance. Professor Long

154-631A,B HISTORICAL EXPERIENCE OF ECONOMIC DEVELOPMENT. (3)

154-634A ECONOMIC DEVELOPMENT. (3) A systematic treatment of the characteristics and problems of economic development in underdeveloped countries. Professor Grimard

154-637B INDUSTRIAL ORGANIZATION AND REGULATION. (3) An analysis of the nature of the firm, industrial structure and the effect of structure on firm and industry behaviour and performance. Professor Long

154-641A LABOUR ECONOMICS. (3) A synthesis of theoretical developments in the area of labour economics with stress upon problems of empirical testing. Professor Parent

154-660A,B HISTORY OF ECONOMIC THOUGHT. (3)

154-662D ECONOMETRICS. (6) A broad treatment of econometric methods, with particular reference to time series processes. Estimation of linear and non-linear models, GLS, IV, Maximum Likelihood, parametric specification testing for linear and non-linear hypotheses, diagnostic testing (autocorrelation, heteroskedasticity, normality, parameter constancy, etc.), modeling technique, non-stationary data processes.

Professors Galbraith and Zinde-Walsh

154-665A QUANTITATIVE METHODS. (3) A survey of quantitative methods frequently used in economic research. Special emphasis will be placed upon the formulation and evaluation of econometric models. Illustrations will be drawn from the existing empirical literature in economics. Required for all Ph.D. students who have not taken Econometrics as a field.


154-651A,B RESEARCH II. (3) Same description as above.

154-652A,B RESEARCH III. (3) Same description as above.

154-653A,B RESEARCH IV. (3) Same description as above.

154-670A,B THESIS I. (6)

154-671A,B THESIS II. (6)

154-672A,B THESIS III. (6)

154-680A,B M.A. REPORT I. (3) The M.A. Report must demonstrate the candidate's ability to do independent work at the graduate level in a particular field of economics. While length will vary with the subject matter, it is expected that on average reports will be about 50 pages long. The Report will be graded jointly by two members of the Department. The supervisor will normally be one of the examiners.

154-681A,B M.A. REPORT II. (3) Same description as above.

154-682A,B M.A. REPORT III. (3) Same description as above.

154-683A,B M.A. REPORT IV. (3) Same description as above.

154-702A,B ECONOMIC HISTORY. (3)

154-705A,B READING COURSE ON SELECTED TOPICS IN ECONOMICS. (3) Reading course in Economics. Staff

154-706A,B SELECTED TOPICS. (3) (Prerequisites: 154-610, 154-620 and 6 additional credits at the 600 level) Reading course in Economics. Staff

154-710A,B SELECTED TOPICS IN ECONOMICS. (3)

154-712A,B PUBLIC FINANCE. (3)

154-720B ADVANCED GAME THEORY. (3)
Courses Offered Only in Some Years

154-738A, B Topics in Economic Theory.
154-753B Selected Topics in Mathematical Economics.
154-761A, B Econometrics-Time Series Analysis.

27 Educational and Counselling Psychology

Department of Educational and Counselling Psychology

Education Building
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Montreal, QC H3A 1Y2
Telephone – Program Information: (514) 398-4241
Telephone – Professors: (514) 398-4240 plus local
Fax: (514) 398-6968
Website: http://www.education.mcgill.ca/fedwww/depts/ecp/ecp.html

Chair — Bruce M. Shore
Acting Chair — Robert J. Bracewell (January to June, 1999)

Program Directors:
Professional Psychology Program Grouping/ Counselling Psychology — Theodore J. Maroun

Professional Education Program Grouping/
Educational Psychology — Evelyn Lusthaus (Inclusive Education)

Associate Program Directors —
Rachelle Keyserlingk (Family Life Education)
F. Gillian Rejskind (General Educational Psychology, Gifted Education, and Psychology of Gender)

Professional Psychology Program Grouping/
Educational Psychology —
Jeffrey L. Derevensky (School/Applied Child Psychology)

Associate Program Director —
Joyce F. Benenson (Applied Developmental Psychology)

Cognition and Instruction Program Grouping/
Educational Psychology —
Janet G. Donald (Instructional Psychology)

Associate Program Directors —
Peter G. Burpee (Educational Technology)
Susanne P. Lajoie (Applied Cognitive Science)
Lynn M'Alpine (Adult Education)

27.1 Staff

Emeritus Professors
Reginald Edwards, B.Sc. (Lond.), M.Ed.(Man.)
Eigil Pedersen, B.A.(Sir G. Wms.), M.A.(McG.), Ed.D.(Harv.)

Professors
Mark W. Aulls, B.S.(Ball St.)
Jeffrey L. Derevensky, B.A.(C. W. Post), M.A., Ph.D.(McG.)
Janet G. Donald, B.A., M.A. (W. Ont.), Ph.D.(Tor.) (joint appt. with the Centre for University Teaching and Learning)
Carl H. Frederiksen, B.A.(Harv.), M.A., Ph.D.(Ill.)
Bruce M. Shore, B.Sc., M.A.(McG.), Ph.D(Calg.)

Associate Professors
Robert J. Bracewell, B.Sc., M.A.(McM.), Ph.D.(Tor.)
Alain Breuleux, B.Sc., M.Sc., Ph.D.(Montr.)
Jacob A. Burack, B.A.(Col.), M.S., M.Phil., Ph.D.(Yale)
Peter G. Burpee, B.Sc., M.Ed.(McG.)
Leticia Cox, B.A., M.Ed.(McG.) (PT)