Welcome to McGill!

With over 300 areas of study offered by 21 faculties and professional schools, we are Canada's leading teaching and research-intensive university.

Our strength lies in the quality of our students, faculty and staff; the depth and variety of our research and academic programs; the collegiality of life on our campuses; our international reputation for excellence; the loyalty and generosity of our alumni and friends; the beauty of our two campuses; and the dedication and support of our staff. We strive to create an atmosphere that challenges and inspires our outstanding students and faculty from all over the world to achieve their very best. We are committed to growing our strength in each of the core areas while enhancing our support for students and faculty.

We welcome you to join the McGill community during a period of unprecedented growth and renewal. We have begun our most ambitious building program in 100 years. All over our downtown campus new buildings are going up that directly benefit students, including the Trottier Building for engineering and computer science, the new Music Building for both performance and research in music, media, and technology, the Bellini Life Sciences Building and 740 Dr. Penfield. Each boasts new cutting-edge facilities that strengthen McGill's place at the forefront of global innovation.

In addition to attracting extraordinarily bright and promising students, McGill is on a pathway to recruit at least 100 new faculty members per year over the next 10 years. The McGill name, reputation and opportunities are making this a reality.

We are committed to positioning ourselves – and you – for success and an enjoyable community and learning experience. Join us!

Heather Munroe-Blum
Principal and Vice-chancellor

All courses in this Calendar will be offered in 2004-05 unless a bullet appears to the left of the course number. No description will appear after the title if the course is not given in the current year. Descriptions can usually be found in preceding Calendars.

The University reserves the right to make changes without prior notice to the information contained in this publication, including the alteration of various fees, schedules, conditions of admission and credit requirements, and the revision or cancellation of particular courses or programs.

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Admissions, Recruitment and
Registrar's Office
McGill University
845 Sherbrooke Street West
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Canada

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Cover:

Centre photo: View from McGill's central James Administration Building, facing eastward towards the Milton Gates

Small photos (from left to right):

1. Macdonald Engineering Building
2. Aerial shot of Macdonald Campus
3. Students head through the Roddick Gates on Sherbrooke St.
4. Early snowfall on the downtown campus

Cover design:

Max Stiebel

Aerial photo courtesy of Faculty of Agricultural and Environmental Sciences

Photo, page 1:

Principal Heather Munroe-Blum congratulates Maryvon Coté on receiving his degree of Master of Library and Information Studies in June 2003.

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PAPER

McGill

HEALTH SCIENCES CALENDAR 2004 - 2005

McGill University:
www.mcgill.ca

Admission:
mcgill.ca/applying

Registration:
mcgill.ca/minerva

Faculty of Dentistry
www.mcgill.ca/dentistry

Faculty of Medicine
www.medicine.mcgill.ca

School of Communication Sciences and Disorders
www.mcgill.ca/scsd

School of Dietetics and Human Nutrition
www.mcgill.ca/dietetics

School of Nursing
www.nursing.mcgill.ca

School of Physical and Occupational Therapy
www.medicine.mcgill.ca/spot

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Table of Contents

1 General Information

1.1 Admission

Admission requirements and applications procedures are outlined in the individual faculty and school sections.

1.2 Authorization, Acknowledgment and Consent

When applying for admission to the University, all students acknowledge that they are bound by and undertake to observe the statutes, rules, regulations, and policies in place from time to time at McGill University and the faculty or faculties in which they are registered, including those policies contained in the University Calendars and related fee documents. Their obligation as a student commences with their registration and terminates in accordance with the University's statutes, regulations, and policies.

Students should verify any information or statement provided as part of their application, realizing that an admission granted based on information in their application or supporting documents that is incorrect or untrue may be revoked at the sole discretion of the University.

1.3 Student Rights and Responsibilities

The *Handbook of Student Rights and Responsibilities* is published jointly by the Office of the Dean of Students and the University Secretariat. A compendium of regulations and policies governing student rights and responsibilities at McGill, it is distributed to new students at the Dean of Students' Orientation Sessions. The Handbook is also available on the Web at www.mcgill.ca/secretariat/statutes/documents.

1.4 Vaccination/Immunization Requirements

A COMPULSORY Immunization program exists at McGill for students in the health professions. The McGill University Teaching Hospitals require the immunizations listed below before students are allowed to enter the first year of the programs. The immunizations should be completed well before commencement of the school year. Proof of immunity must be written and signed by either a nurse or a physician and include the following:

1) Proof of primary series vaccinations for Diphtheria, Tetanus and Polio. This must include the dates for each vaccination.

2) Proof of Diphtheria, Tetanus, and Polio (Salk) vaccination boosters within the last 10years.

3) Proof of live Measles, Mumps and Rubella vaccination received after 12 months of age and proof of a second measles vaccination.

4) Proof of a TWO step PPD skin test for Tuberculosis (within the last 12months).

5) Hepatitis B +C vaccinations are required for Dentistry, Nursing, Medicine, Occupational Therapy, Physical Therapy, and Speech Pathology students.

6) Documentation of varicella or of an antibody titre.

THERE ARE NO EXCEPTIONS TO THESE REQUIREMENTS.

Student Health Services operates during the summer. Students are advised to complete their immunizations early, otherwise their entry into the teaching hospitals may be delayed.

1.5 Policy Concerning Access to Records

Statements of account and all other correspondence are sent directly to students who retain full control as to who has access to their records or accounts. (Officers and members of the University staff may also have access to relevant parts of such records for recognized and legitimate use.) No progress report or any other information is sent to parents and/or sponsors unless specifically requested by the student in writing.

In accordance with the Act Respecting Access to Documents held by Public Bodies and the Protection of Personal Information (the "Access Act") personal information, including transcripts of academic records, may be released only with the authorization of the student. When a student applies to McGill, he/she authorizes the University to release certain personal information (name, address, telephone number, e-mail address, date of birth, program and student status) to the following persons and bodies listed below.

The following persons and bodies are included in the authorization:

– libraries of other Quebec universities with which McGill established reciprocal borrowing agreement (I.D. number and bar code may also be disclosed to such libraries)
– the Quebec Ministry of Education, in order to create, validate and/or modify the student's Permanent Code
– the appropriate authorities involved with the external or internal funding of the student's fees (financial records may also be disclosed to such authorities)
– the Association of Universities and Colleges of Canada
– the Association of Registrars of Universities and Colleges of Canada and the Conférence des recteurs et des principaux des universités du Québec, or the member institutions of these organizations, for the purpose of admissions operations and the production of statistics
– the school(s) or college(s) which the student attended

Students who choose to not authorize the University to disclose personal information to the following organizations, must complete and submit an opposition form. The opposition form is available at the Admissions, Recruitment and Registrar's Office.

– students and alumni who have volunteered to speak with admitted students
– the Student Associations recognized by McGill University for the category(ies) of students to which the student belongs
– the McGill Alumni Association
– professional bodies or corporations (e.g., engineers, dentists)
– McGill Network and Communications Services for the purposes of listing the student's McGill e-mail address in an online e-mail directory.

1.6 E-mail Communication

E-mail is one of the official means of communication between McGill University and its students. All students are assigned a Uniform E-mail Address (UEA). They should view and verify their UEA on Minerva, under the Personal Information menu. As with all official University communications, it is the student's responsibility to ensure that time-critical e-mail is accessed, read, and acted upon in a timely fashion. If a student chooses to forward University e-mail to another e-mail mailbox, it is that student's responsibility to ensure that the alternate account is viable.

It is a violation for any user of official McGill e-mail addresses to impersonate a University officer, a member of the faculty, staff or student body, in line with the McGill University "Code of Computer User Conduct" and relevant federal and provincial legislation.

More information about e-mail procedures is available at www.mcgill.ca/email-policy. E-mail support is provided by ICS Customer Support.

1.7 Language Policy

The language of instruction at McGill is English. Some courses are offered in French. Every student has a right to write essays, examinations and theses in English or in French except in courses where knowledge of a language is one of the objects of the course.

It is recommended that students who lack proficiency in English avail themselves of the opportunity to take an intensive English as a second language course prior to, or early in, their program of studies. Information concerning second language course offerings can be found in the *Summer Studies* and *Continuing Education Calendars*, and in the Faculty of Arts section of the *Undergraduate Programs Calendar.*

1.8 Proof of Proficiency in English

Applicants are not required to submit proof of proficiency in English if they meet one of the following conditions: their mother tongue/first language is English; or they have completed both SecondaryV and a Diploma of Collegial Studies in Quebec; or they have studied for five or more years in an institution where English is the primary language of instruction.

All other applicants must demonstrate proficiency in English, using one of the following five options:

Test of English as a Foreign Language (TOEFL)
Most undergraduate programs require 233 (577 for the paper-based version). Some programs require higher or lower scores.

McGill Certificate of Proficiency in English
For further information about the program contact the Department of Languages and Translation, Centre for Continuing Education, 688 Sherbrooke St. W., Suite 1199, Montreal, Quebec, H3A 3R1. Telephone: (514) 398-6160. E-mail: info.conted@mcgill.ca Website: www.mcgill.ca/conted

International English Language Testing System (IELTS)
A band score of 6.5 or better.

University of Michigan English Language Test (MELAB)
A minimum mark of 85%.

APIEL (Advanced Placement International English Language)
A minimum score of 4.

1.9 Language Requirements for Professions

Quebec law requires that candidates seeking admission to provincially-recognized professional corporations must possess a working knowledge of the French language, that is, be able to communicate verbally and in writing in that language.

To demonstrate this capability, candidates will be required to pass an examination set by the Office de la langue française, unless they can show that three years of full-time instruction in a French post-primary school have been completed. Candidates who have completed their secondary education in Quebec in 1986 or later and have received their certificate from secondary school are exempt from writing the examination. The professional corporation will require this certificate, proof of attendance or of successful completion of the Office examination.

The examination may be attempted by registered students during the two years prior to the date they receive a degree giving access to a professional corporation. Application forms for sitting the exam while still a student may be obtained from the Admissions, Recruitment and Registrar's Office or the Student Affairs Office, Laird Hall, Macdonald Campus. Priority will be given to those closest to graduation. Examinations take place every three months and may be attempted an unlimited number of times.

More information may be obtained from the Office de la langue française, 125 Sherbrooke Street West, Montréal, Québec, H2X1X4. Telephone (514) 873-4833.

Students who need to acquire a functional level of proficiency in French may take courses from either the English and French Language Centre, Faculty of Arts, or the Centre for Continuing Education, 688 Sherbrooke Street West; telephone (514) 398-6200.

1.10 Immigration Information

UNLESS their studies at McGill will be completed in less than six (6) months, all students, other than Canadian citizens and Permanent Residents of Canada, must obtain proper authorization from both Quebec and Canadian Immigration officials prior to proceeding to Canada and/or commencing studies. The process begins with a Letter of Acceptance from McGill University.

Details on Canadian immigration regulations may be obtained from the closest Canadian Visa Service (CVS) of Immigration Canada.

In addition, International Student Services prepares a “Getting Started” pamphlet along with a detailed Handbook for international students, which is sent to all accepted applicants. The Handbook is also available on the Web.

For further information, please contact:
International Student Services, Brown Student Services Building, 3600 McTavish Street, Suite 3215, Montreal, QC H3A 1Y2
Telephone: (514) 398-4349
Web site: www.mcgill.ca/stuserv/iss
E-mail: international.students@mcgill.ca

1.11 Health Insurance – Canadian Residents

Canadian students from outside the province of Quebec should check with their own provincial medicare office to ensure the validity of their health coverage while studying at McGill.

Canadian students residing outside Canada may not qualify for any provincial medicare programs. In this case, they may purchase the Health Insurance for International Students.

All undergraduate students who pay Canadian fees and who are members of the Students' Society of McGill University (SSMU) are automatically covered by the Students' Society's Health and Dental Plan. For details on fees and on what is covered by this plan, please refer to the information contained on the Web at www.aseq.com.

1.12 Health Insurance – International Students

By Senate regulation, all students, as well as their accompanying dependents, who do not have Canadian citizenship or Permanent Resident status must participate in a compulsory health insurance plan administered by the University. When registering by Minerva, students will be directed to the International Student Services Web page for enrolment procedures and details. See section 5 “Fees” for information concerning rates.

Students registering for the first time in September (January) should note that Maternity Benefits for pregnancies which commenced prior to July 15th (November 15th) are not covered by the University's health insurance plan.

All inquiries related to this University policy must be directed to International Student Services.
Health Insurance: Telephone: (514) 398-6012
Email: international.health@mcgill.ca

1.13 Proper Use of Computing Facilities

Students are required to comply with the Code of Conduct for Users of McGill Computing Facilities as approved by the University Senate. The Code is published in the *Handbook of Student Rights and Responsibilities*.

1.14 Minerva

Minerva is McGill's Web-based information system serving students, staff and faculty. Students view class schedules, including course descriptions and spaces available in course sections, register and make course changes using Minerva at www.mcgill.ca/minerva. Students can also view their unofficial transcript and fee information; update their own personal information such as address, telephone number and emergency contacts; for some faculties, change their major or minor; apply to graduate; and view their McGill log-on information to access the Internet and e-mail.

2 Personal Information

2.1 Legal Name

All students are registered under their legal name as shown in one of the following documents:
1. Canadian birth certificate.
2. Canadian Immigration Record of Landing (IMM1000 or IMM5292 and Permanent Residence card, both sides).
3. International passport (for Canadians, a Canadian Citizenship card is acceptable).
4. Canadian Immigration Study or Work Permit document.
5. Certificate of Acceptance of Quebec (CAQ).
6. Letter from the International Student's Consulate or Embassy in Canada.
7. Marriage certificate translated into English or French by a sworn officer.

In the case of a variation in the spelling of the name among these documents, the University will use the name on the document that appears first on the above list.

Note: This is the name that will appear on the student's diploma or certificate on graduation, and on the student's transcript.

2.2 Verification of Name

Students should verify the accuracy of their name on McGill’s student records via Minerva and make any necessary corrections to formatting, e.g., upper/lower case letters, accents and spacing.

Students **cannot change the name** on their record via Minerva. Requests for such changes must made by presenting official documents (see section 2.1 “Legal Name”) in person at the Admissions, Recruitment and Registrar's Office.

2.3 Updating Personal Information

It is important that all students keep their official records up to date, especially their mailing or student billing address as these are used by the University year round. If all addresses on file are invalid or incomplete, a student's mail will be held. Once the addresses are updated, future mail will be sent.

Students should update their addresses and/or telephone number using Minerva.

Students who are away from campus and do not have access to the Internet may make the changes by writing to the Student Affairs Office or to the Admissions, Recruitment and Registrar's Office. A written request must include the student's signature.

Changes requiring verification of official documents, e.g., change of name or citizenship or correction of birth date, must be reported to the Admissions, Recruitment and Registrar's Office as soon as possible. Such changes can only be made in person.

2.4 Documentation

2.4.1 Documentation for Permanent Code, Citizenship and Proof of Quebec Residency

The Ministry of Education in Quebec requires that McGill collect documentation from all students to ensure tuition fees are assessed correctly and to ensure a permanent code is issued by the Ministry for all students. Canadian citizens and Permanent Residents should take steps to mail or fax this documentation prior to arriving on campus. International students must bring the appropriate documents with them when they come to have their McGill identification card issued before the start of lectures.

2.4.2 Canadians or Permanent Residents of Canada

Any new student who is a Canadian or Permanent Resident, including Quebec residents, must mail or fax to McGill prior to arriving on campus:

a. a legible photocopy of one of the following:

- Certificate of Indian status card
- Canadian birth certificate
- Canadian citizenship card (both sides)
- Record of Permanent Resident status in Canada (i.e. IMM1000 document/IMM 5292 and PR card - both sides)

and

b. if the information was not already provided at the time of application to McGill, a signed Permanent Code form available at www.mcgill.ca/student-records/fees/permcode, indicating the names of the student's father and mother, or a Permanent Code.

Students can check if McGill has received their Permanent Code, after they have accepted the University offer of admission by viewing their unofficial transcript on Minerva. If the University has the Permanent Code on file it will be displayed at the top of the unofficial transcript, below their McGill ID.

2.4.3 Residents of Quebec

New students who are citizens or Permanent Residents of Canada, and who qualify for the Quebec rate of tuition fees, must also provide proof of Québec residency in addition to the documents listed in the above section. There are two ways of establishing Québec residency status:

1. **Without** an "Attestation of Residency in Quebec" form, where the student must qualify for one of the situations indicated below and submit proof to that effect:

a. Student was born in Québec. **Documents**: Quebec birth or baptismal certificate (issued prior to Jan. 1st, 1994) with place of birth clearly shown, valid Canadian passport indicating Quebec as place of birth;
b. Student obtained Landed Immigrant status by virtue of a Certificate of Selection of Québec (CSQ). **Documents** : CSQ document, written confirmation from Immigration Quebec that a CSQ was issued;
c. Student's high school and CEGEP transcripts transmitted electronically to McGill from the Ministry of Education of Quebec **indicate "Quebec" as the place of residence. Document:** final Quebec high school transcript;
d. Student was approved for a Quebec loan for the current academic year. Document: Quebec loan certificate;
e. Student is a member of an aboriginal community of Quebec. Document: letter from a band council official, band membership card.

2. **With** an "Attestation of Residency in Quebec" form (available at www.mcgill.ca/student-records/fees/poc) where the student must qualify for one of the situations indicated on the form and send it, signed and dated, along with **all** the documents requested on the attestation. A copy of the guidelines (in French) as established by the Ministry of Education of Quebec (MEQ) may be obtained from their Website at the following address: www.meq.gouv.qc.ca/ens-sup/FTP/rq-guide.pdf.

Students can check on Minerva to verify that their documents have been processed. Please allow approximately 15 working days to record receipt of your documentation.

2.4.4 International Students

New students who are international students must provide:
a. one of the following:
- Study permit issued by Immigration Canada and Certificate of Acceptation of Québec (CAQ)
- Convention Refugee status document

and
b. if the information was not already provided at the time of application to McGill, a signed Permanent Code form available at www.mcgill.ca/student-records/fees/permcode, indicating the names of the student's father and mother, or a Permanent Code.

Students can check if McGill has received their Permanent Code, after they have accepted the University's offer of admission by viewing their unofficial transcript on Minerva. If the University has the Permanent Code on file it will be displayed at the top of the unofficial transcript, below their McGill ID.

Mail or fax copies of documents prior to arrival on campus. The student's McGill ID number and contact information must show clearly on all documentation, and be mailed or faxed prior to arrival on campus. If McGill has not received this information prior to arrival, ID cards will not be issued and the student will be assessed international fees.
Mail or fax to:
Admissions, Recruitment and Registrar's Office, James Administration Bldg., Government Reporting Unit,
845 Sherbrooke Street West, 2nd floor
Montréal, QC, H3A 2T5
Canada
Fax: (514) 398-8939
For questions, **please e-mail que-can@mcgill.ca** or phone (514) 398-2224.

2.4.5 No Retroactivity

The Student Accounts Office will send students a fee statement based on the citizenship information and documentation on file at the time the statement is issued. If the appropriate proof required to support a citizenship or Quebec residency status is not received by the fee deadline indicated on the statement, students will be billed at the international rate of tuition. Late payment and interest charges may also incur on the unpaid balance. Students who submit their proof of status after the payment deadline indicated will have the international supplement waived, but will be responsible for the late payment and interest charged to their account.
Students should note that all documentation must be received by the end of the last day of classes of a current term to take effect for that term. All documents received after that date will be updated for the following term only, and the higher fees cannot be retroactively reversed for a previous term.

2.5 Identification (ID) Cards

Students registered at McGill are required to present an ID card when writing examinations and when using libraries, Student Services, certain laboratories, and many residences.

An ID card cannot be issued until at least 24 hours after the student has registered. When requesting the card, new students must present permanent code information and proof of legal status in Canada (for a list of documents please see below). International students must also show proof of health coverage (Blue Cross certificate or confirmation of exemption). Contact International Student Services at (514) 398-6012 or consult their Website at www.mcgill.ca/stuserv/iss for additional information.
ID cards will not be issued if any of the above documents are missing.
Registered students may obtain an ID card at these times and locations:

Wednesday, August 4 to Monday, August 16, 2004 Open 9:00 a.m. to 5:00 p.m. (except Fridays and weekends) *Canadian and Quebec students are encouraged to come during this period to avoid lineups later in August. No international students can be carded before August 17.*	Admissions, Recruitment and Registrar's Office, James Administration Building, Room 205
Tuesday, August 17 to Tuesday, August 31, 2004 Open 9:00 a.m. to 5:00 p.m. including Friday, Saturday and Sunday, Aug. 20-22. Closed Saturday and Sunday, Aug. 28-29. *All students, including international students*	Lorne M. Trottier Building 3630 University Street
After September 1, 2004 Normal office hours	Admissions, Recruitment and Registrar's Office, James Administration Building, Room 205

On Macdonald Campus, registered students may obtain an ID card from the Student Affairs Office, Room 106, Laird Hall.
From Monday, August 23 to Tuesday, August 31 by appointment (refer to Orientation Schedule).
From Wednesday, September 1 to Friday, September 10 (closed Monday, September 6).

Service is available between 9:00 a.m. and 11:30 a.m.
Other notes:

- students who do not register for consecutive terms should retain their ID card to avoid having to replace it when they reregister.
- if your card has expired there is no charge for a replacement as long as you hand in the old proximity card.
- if you change programs or faculties there is no charge as long as you hand in the old proximity card.
- if your card has been lost, stolen or damaged, there is a $20 replacement fee.

The Student Identification Card is the property of the University and students withdrawing from all of their courses must attach their ID card to the withdrawal form or return their ID card to the Admissions, Recruitment and Registrar's Office (or the Faculty of Agricultural and Environmental Sciences Student Affairs Office, Macdonald Campus).

Students who need security access to labs or other facilities should refer to www.mcgill.ca/security/access.

3 Registration / Student Records / Exams

The information contained in this section applies to the University in general, students are advised to consult the appropriate faculty or school section for academic policies and regulations specific to their programs.

3.1 Registration

Students register and make course changes on the Web at www.mcgill.ca/minerva in accordance with the published registration dates.

Students will be charged a late registration fee during the late registration period.

To avoid the late registration fee students must access the Web site and register for at least one course for the fall term before the end of he regular registration period. Where permitted, courses then may be added until the end of the course change period without penalty.

Students in programs with set curricula should select the Registration Confirmation course specific to their program:

Dentistry – REGN RCDE
Medicine – REGN RCMD
Physical and Occupational Therapy – REGN RCPO

3.2 Change of Course and Withdrawal Policy

3.2.1 Course Withdrawal

Withdrawal (W) deadlines dates are listed in the Calendar of Dates.

Note:

1. **The health profession programs described in this Calendar are highly structured and students should consult their adviser or Student Affairs Office to determine what course changes, if any, are allowed.**
2. The responsibility for initiating withdrawal rests solely with the student. Neither notification of the course instructor nor discontinuance of class attendance will suffice. The date on which a student's withdrawal is entered on Minerva is the official date of withdrawal, even if the student stopped attending lectures earlier.
3. Fee refunds, if any, will be in accordance with section 5.8 "Fees and Withdrawal from the University".

3.2.2 University Withdrawal

Withdrawal (W) deadlines dates are specified in the Calendar of Dates.

Students considering withdrawal are strongly urged to consult with their adviser and Student Affairs Office before making a final decision.

Students who decide to withdraw from the University are required to follow the following procedures.

- Students who withdraw from the University before the deadlines for course withdrawal must drop or withdraw from all courses that can be dropped or withdrawn from on Minerva.

  Students who are blocked from dropping or withdrawing from their last course on Minerva are required to contact their Student Affairs Office. The Student Affairs Office will supply any forms necessary to complete the University withdrawal.
- Students who withdraw after the deadline for course withdrawal on Minerva must contact their Student Affairs Office for information on policies and procedures.

Note:

1. All students who have accessed Minerva to register must officially withdraw within appropriate deadlines if they decide not to attend the Term(s) for which they have registered.
2. The responsibility for initiating withdrawal rests solely with the student. Neither notification of the course instructor nor discontinuance of class attendance will suffice. The date on which a student drops or withdraws from all courses on Minerva or the date the request for withdrawal is submitted to the Student Affairs Office is the official date of withdrawal, even if the student stopped attending lectures earlier.
3. Fee refunds, if any, for the term in which the student withdraws will be in accordance with section 5.8 "Fees and Withdrawal from the University".
4. Upon withdrawal students are required to return their ID card to the University as stated in section 2.5 "Identification (ID) Cards".

3.3 Transcript of Academic Record

3.3.1 Unofficial Transcripts

Students who require a copy of their student record can view and print their own unofficial transcript by accessing Minerva. This applies to records from 1972 to present. For pre-1972 records, an official transcript must be ordered.

3.3.2 Official Transcripts

Official transcripts can be ordered on-line via Minerva. Students who cannot access Minerva, should fill out the "*Request for Release of Official Document*" form available on-line at www.mcgill.ca/student-records/transcripts/ or in person at the Admissions, Recruitment and Registrar's Office. Transcript requests may be submitted by mail, by fax, or in person but must be signed by the student. To protect privacy, we do not accept telephone or e-mail requests.

Admissions, Recruitment and Registrar's Office
James Administration Building
845 Sherbrooke Street West, Room 205
Montreal, Quebec H3A 2T5
Fax: (514) 398-8939

3.3.3 General Information

Transcripts are free of charge.

Official transcripts are sent directly to the addresses provided by the student. Official transcripts in sealed envelopes can be given to those requesting them.

Requests are processed in 3 to 5 working days, somewhat longer for pre-1976 records and at peak times.

ARR cannot be responsible for transcripts that are lost or delayed in the mail.

The University will issue only complete transcripts recording all work attempted and results obtained in any and all programs. In no circumstances will partial transcripts be issued.

Official transcripts will NOT be issued for students registered on or after September 2000 who have failed to provide the information and/or documents necessary to obtain or verify their Permanent Code.

Transcripts will not be issued if you owe fees or fines over $30.

Official transcripts are produced on secure paper that cannot be copied.

3.4 Course Information

3.4.1 Multi-term Courses

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

A unit may, however, decide that the material to be presented cannot be divided into single term courses or it is preferable that the work to be done is carried out over two, or three, terms. Under such circumstances, courses are identified by a two-character extension of the course number.

In some cases, the same course may be offered in various ways: as a single term and/or in one or more multi-term versions. The course content and credit weight is equivalent in all modes, the only difference being the scheduling, and students cannot obtain credit for more than one version.

Courses with numbers ending in D1 and D2 are taught in two consecutive terms (most commonly Fall and Winter). Students must register for the same section of both the D1 and D2 components. When registering for a fall term D1 course the student will automatically be registered for the winter term D2 portion. No credit will be given unless both components (D1 and D2) are successfully completed in consecutive terms, e.g., Fall 2004 and Winter 2005.

Courses with numbers ending in N1 and N2 are taught in two non-consecutive terms (Winter and Fall). Students must register for the same section of both the N1 and N2 components. No credit will be given unless both components (N1 and N2) are successfully completed within a twelve (12) month period.

Courses with numbers ending in J1, J2 and J3 are taught over three consecutive terms. Students must register for the same section of all three components (J1, J2, J3). No credit will be given unless all three components are successfully completed.

IMPORTANT CONDITIONS FOR MULTI-TERM COURSES

1. **Students must be registered for each component of the multi-term course. Students must ensure that they are registered in the same section in each term of the multi-term course.**
2. **Students must successfully complete each component in sequence as set out in the multi-term course. Credit is granted only at the end of the multi-term course; no credit is given for partial completion.**

3.4.2 Course Terminology

Prerequisite: Course A is prerequisite to course B if a satisfactory pass in course A is required for admission to course B.

Corequisite: Course A is corequisite to course B if course A must be taken concurrently with (or may have been taken prior to) course B.

Credits: The credit weight of each course is indicated in parentheses beside the course title. For D1 and D2 courses the credit weight is indicated after the course number.

COURSE NOMENCLATURE IN PROGRAM DESCRIPTIONS:

Required Course: Courses absolutely required in a program. All students in that program must take this (these) course(s) unless they are granted exemption(s).

Complementary Course: Courses selected from a restricted list, a particular subject area, or a discipline. In some programs, students must include a number of these in order to meet program requirements.

Note: Complementary courses are not electives. The difference between Complementary courses and Required courses is that Complementary courses offer an element of choice, however small that choice may be. Students may choose from the two (or more) courses specified within Complementary Course segment(s) of a program description, but ONLY from those.

Elective course: courses chosen freely (sometimes with advice and approval of the departmental advisor).

3.5 Course Nomenclature

Required Course: Courses absolutely required in a program. All students in that program must take this (these) course(s) unless they are granted exemption(s).

Complementary Course: Courses selected from a restricted list, a particular subject area, or a discipline. In some programs, students must include a number of these in order to meet program requirements.

Elective Course: Courses chosen freely (sometimes with advice and approval of the departmental adviser).

3.6 Academic Integrity

In submitting work in their courses, students should remember that plagiarism and cheating are considered to be extremely serious offences.

Students who have any doubt as to what might be considered "plagiarism" in preparing an essay or term paper should consult the instructor of the course to obtain appropriate guidelines. Students should also consult the academic integrity Website at www.mcgill.ca/integrity.

The possession or use of unauthorized materials in any test or examination constitutes cheating. Responses on multiple-choice examinations are normally checked by the exam security computer monitoring program. The program detects pairs of students with unusually similar answer patterns on multiple choice exams. Data generated by the exam security computer monitoring program can be used as admissible evidence either to initiate or corroborate an investigation or a charge of cheating under Section 16 of the Code of Student Conduct and Disciplinary Procedures.The Code of Student Conduct and Disciplinary Procedures includes sections on plagiarism and cheating. The Code is included in the *Handbook of Student Rights and Responsibilities.*

3.7 Regulations Concerning Final Examinations

Preamble

The objectives of these regulations are:
1) To protect students from excessive workloads;
2) To use the full 15-week term to maximum advantage.

Regulations

1. These regulations shall apply to undergraduate courses up to and including the 400level (500 level for the Faculty of Science), that are evaluated by the use of written examinations. They shall not apply to clinical, field, laboratory, performance, and seminar courses, or to other courses that are evaluated solely by means of a design, paper, program, or project.
2. Written examinations (including take-home examinations) shall not be held during the last two weeks of scheduled classes during the fall and winter terms, except where a pattern of continuous evaluation has been established, in which case the total value of examinations given in this period shall comprise no more than 10% of the final mark.
3. If the written examinations in a course constitute 50% or more of the final mark, one of these shall be given as a final written examination; and it shall take place during the examination period after the last day of scheduled lectures in December or April.

4. A final examination given during the examination period shall be worth at least 25% of the final mark.
5. Students shall be informed of all course requirements by the end of the course change period. All term work shall be assigned early enough in the term for students to complete the assignment(s) by the last day of class.
6. The due date for term work in courses to which these regulations apply shall be no later than the last day of classes.
7. In courses that span the Fall and Winter terms (course pairs with numbers ending D1 and D2) , instructors who wish to give a mid-year examination in December must schedule it in the formal examination period.
8. The principles enunciated in these regulations shall be applied, appropriately modified, to courses given during the summer, to other courses of less than a 13-week duration, and to courses in the Faculties of Law, Medicine, Dentistry, and Education that do not follow the normal university timetable.
9. Individual faculties may propose variations in these regulations to the Academic Policy and Planning Committee in order to meet their special needs.
10. These regulations, and any variations to them, shall be made known to students by each faculty.

4 Calendar of Dates 2004-2005

Given in this section are key dates for the undergraduate programs of faculties and schools included in this publication. The complete Calendar of Dates is available on the Web at www.mcgill.ca/students-information/dates.

The excerpt published herein was accurate as of May 2004. The information is subject to change and users are advised to verify important dates by checking the Web.

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FACULTY / SCHOOL LEGENDS			
A&ES	**Agricultural and Environmental Sciences**	**MGMT**	**Management**
ARCH	**Architecture**	**MSW**	**Master in Social Work**
ART	**Arts**	**MUS**	**Music**
BSW	**Bachelor of Social Work**	**REL**	**Religious Studies**
CE	**Continuing Education**	**SCI**	**Science**
DENT	**Dentistry**	**SPBSW**	**Special Bachelor of Social Work**
D&HN	**Dietetics and Human Nutrition**	**ALL**	**All students**
EDUC	**Education**	**NEW**	**New students**
ENG	**Engineering**	**RET**	**Returning students**
FMT	**Farm Management Technology**	**SPECIAL**	**Special Students (Summer Session only)**
GRAD	**Graduate Studies**	**VISITING**	**Visiting Students (Summer Session only)**
LAW	**Law**	⟶	**Read Activity column for details**
MED	**Medicine**		

ACTIVITY CODE LEGENDS			
ADV	**Academic Advising**	**MTG**	**Meeting**
APP	**Application**	**NOTE**	**Note to students**
AUD	**Audition**	**ORIENT**	**Orientation**
AWRD	**Awards (including scholarships)**	**PLEXAM**	**Placement exam-application and examination**
CONV	**Convocation**	**PREXAM**	**Practical exam-application and examination**
DEF	**Deferred—application and examination**	**REG**	**Registration**
EXAM	**Examinations**	**STAGE**	**Field practice, etc.**
EVENT	**Event—reunion, carnival, presentation, etc.**	**SUPP**	**Supplemental—application and examination**
FORM	**Forms**	**THES**	**Thesis**
HOLIDAY	**Holiday**	**VERIF**	**Verification Period**
IFT	**Inter—faculty transfer**	**W**	**Course withdrawal**
INFO	**Information**	**W--**	**University withdrawal**
LEC	**Lecture**		

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
February 2004			
Feb. 1, Sun.	EVENT	ALL	Open House 2004.
Feb. 2, Mon.	THES	GRAD	Deadline to submit doctoral theses with Nomination of Examiners forms to GPSO (Thesis Office) for students expecting to convocate in Spring 2004. Meeting this deadline does not guarantee a Spring graduation.
Feb. 16, Mon.	THES	GRAD	Deadline to submit Master's theses with Nomination of Examiners forms to GPSO (Thesis Office) for students expecting to convocate in Spring 2004. Meeting this deadline does not guarantee a Spring graduation.

March 2004			
Mar. 1, Mon.	APP	LAW	Deadline for applications for admission to Law for students applying from a Quebec CEGEP, from French Baccalaureate Programmes and for Law Visiting Applicants.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
Mar. 1, Mon.	SUPP	⟶	Application deadline for supplemental exams in courses ending during the Fall Term for Arts, Education, Nursing, Religious Studies, Science and Social Work (supplemental exams are not available for Agricultural and Environmental Sciences, Engineering [except freshman U0 courses] or Management courses).
Mar. 1, Mon.	APP	GRAD	Deadline for application for September admission to most departments in the GPSO. (Many departments have earlier deadlines. Please verify with the individual department or on the web at www.mcgill.ca/applying/graduate).
Mar. 1, Mon.	APP	ALL	Deadline for applications for all applicants studying, or who last studied, in a CEGEP in Quebec (except applicants to Music).
Mar. 8, Mon. to Mar. 19, Fri.	EXAM	P&OT	Examination period for 1st year Physical and Occupational Therapy students.
Mar. 12, Fri.	**REG**	⟶	Summer Session registration opens for Undergraduate and Graduate students. Graduate students should confirm dates with individual departments.
Mar. 15, Mon.	ADV	A&ES/ FMT	Academic advising begins for all returning undergraduate students in the Faculty of Agricultural & Environmental Sciences and FMT students.
Mar. 15, Mon.	ADV	ART/SCI/ BSW	Academic advising begins for returning students in Arts, Science and Social Work.
Mar. 15, Mon. & Mar. 16, Tues.	ADV	ENG	Distribution of all registration information and calendars for returning Engineering students in the Student Affairs Office, Room 378, Macdonald Engineering Building.
Mar. 15, Mon. to Mar. 19, Fri.	ADV	ART/SCI/ BSW	Distribution of calendars for returning Arts and Science students in the corridor of the Leacock Building.
Mar. 15, Mon. to Mar. 19, Fri.	ADV	REL	Distribution of all registration information and calendars for returning BTh students, from the BIRKS building, Room 113.
Mar. 15, Mon. to Mar. 26, Fri.	ADV	EDUC	Academic advising for returning students in Education. Appointments to be arranged by individual departments. Please consult your department(s) for details.
Mar. 15, Mon. to Apr. 15, Thurs.	ADV	MUS	Academic advising for returning students in Music.
Mar. 19, Fri.	EXAM	A&ES	Deadline to report all exam conflicts to the Student Affairs Office (Laird Room 106) for winter term exams.
Mar. 22, Mon. to Apr. 30, Fri.	STAGE	P&OT	Clinical Affiliation for 1st year Physical and Occupational Therapy students.
Mar. 23, Tues. to May 2, Sun.	**REG**	CE	Summer session registration using Minerva begins for Continuing Education returning students.
Mar. 25, Thurs.	**REG**	⟶	Registration using Minerva for all students entering the graduating (U3/U4) year of their program (excluding courses offered by the Faculty of Management, except as noted below), and all students in Graduate degree programs, except for Continuing Education.
Mar. 25, Thurs.	**REG**	MGMT	Registration in Management courses for undergraduate students entering their graduating (U3/U4) year: B.Com.; Minors in Management, Technological Entrepreneurship, Construction Engineering and Management; B.A. Joint Honours Economics and Finance, B.A. Faculty Program or Major in Industrial Relations, B.A. Major Concentration in Contemporary German Studies, and B.Ed. in Kinesiology.
Mar. 29, Mon. to May 2, Sun.	**REG**	CE	Registration using Minerva for newly admitted Continuing Education students.
Mar. 30, Tues.	**REG**	⟶	Registration using Minerva for students in all programs entering their penultimate (U2) year of study (excluding courses offered by the Faculty of Management except as noted below), except for Continuing Education.
Mar. 30, Tues.	**REG**	MGMT	Registration in Management courses for undergraduate students entering their penultimate (U2) year of study: B.Com.; Minors in Management, Technological Entrepreneurship, Construction Engineering and Management; B.A. Joint Honours Economics and Finance, B.A. Faculty Program or Major in Industrial Relations, B.A. Major Concentration in Contemporary German Studies, and B. Ed. in Kinesiology.
Mar. 31, Wed.	IFT	P&OT	Physical and Occupational Therapy application deadline for Fall term, 2004 inter-faculty transfers.
April 2004			
Apr. 1, Thurs.	FORM	EDUC	Deadline to submit waiver forms for Teacher Certification for Spring and Fall graduates to the Student Affairs Office.
Apr. 1, Thurs.	FORM	EDUC	Placement forms due at the Office of Student Teaching for Field Experience courses for returning students for 2004-2005.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
Apr. 1, Thurs.	**REG**	→	Registration using Minerva for all returning students (excluding courses offered by the Faculty of Management except as noted below), except for Continuing Education.
Apr. 1, Thurs.	**REG**	CE	Registration using Minerva for all returning Continuing Education - ***Education*** students only.
Apr. 1, Thurs.	**REG**	MGMT	Registration in Management courses for returning undergraduate students entering the first (U1) year of study: B.Com.; Minors in Management, Technological Entrepreneurship, Construction Engineering and Management; B.A. Faculty Program or Major in Industrial Relations, B.A. Joint Honours Economics and Finance, B.A. Major Concentration in Contemporary German Studies, and B.Ed. in Kinesiology.
Apr. 5, Mon. to May2, Sun.	REG	CE	Summer session registration using Minerva for returning Continuing Education Special students.
Apr. 5, Mon. to Apr.8, Thurs.	EXAM	CE	Examination period for credit courses in Languages and Translation (Continuing Education).
Apr. 6, Tues.	REG	MGMT	Registration in courses offered by the Faculty of Management opens for all returning students.
Apr. 9, Fri. and Apr.12, Mon.	HOLIDAY		**EASTER.** No classes or exams. Administrative offices closed. Library hours to be announced.
Apr. 13, Tues.	LEC	→	Last day of lectures for Winter Term 2004 for classes that follow the Monday, Wednesday, Friday class schedule in Agricultural and Environmental Sciences (excluding FMT), Arts, Continuing Education, Education (non-blocked courses), Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy (second and third year), Religious Studies, Social Work (BSW/MSW), Science.
Apr. 15, Thurs. to Apr. 30, Fri.	EXAM	ALL	Examination period for courses ending during the Winter term. (Physical and Occupational Therapy 2nd and 3rd year students only.)
Apr. 20, Tues.	LEC	FMT	Last day for lectures for FMT program.
Apr. 30, Fri.	ORIENT	D & HN	Orientation: NUTR 209, Professional Practice Stage 1B (Dietetics).
Apr. 30, Fri.	IFT	ARCH	School of Architecture application deadline for Fall Term 2004 inter-faculty transfers.
May 2004			
May 3, Mon.	APP	LAW	Deadline for Law Transfer and Quebec Bar applicants.
May 3, Mon. and May 4, Tues.	DEF/SUPP	→	Deferred and supplemental examinations in courses ending in the Fall term in Arts, Education, Nursing, Physical and Occupational Therapy, Religious Studies, Science, Social Work and Engineering U0 courses.
May 3, Mon.	LEC	SPBSW	First day of lectures for incoming Special B.S.W. students.
May 3, Mon.	LEC	P&OT	Classes reconvene for 1st year Physical and Occupational Therapy students.
May 3, Mon.	LEC/ STAGE	NURS	Classes reconvene and clinical courses commence for Nursing students.
May 3, Mon.	ORIENT	D & HN	Orientation: NUTR 311, Stage in Dietetics 2B.
May 4, Tues.	STAGE	D & HN	Site Placements begin for NUTR 311, Stage in Dietetics 2B.
May 4, Tues. & May5, Wed.	DEF	A&ES	Deferred examinations for courses ending in the Fall term in Agricultural and Environmental Sciences.
May 4, Tues. to May 9, Sun.	**REG**	CE	Late registration for all Continuing Education Students.
May 14, Fri.	DEF	→	Application deadline for deferred examinations for Winter Term and multi-term courses ending in the Winter Term 2004 in Arts (including School of Social Work), Education and Science.
May 15, Sat.	**W**	→	Deadline for Web withdrawing (grade of "W") from multi-term courses that started in Winter 2004 for students in Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Physical and Occupational Therapy, Religious Studies, Social Work, and Science (no withdrawals from Education Intensive courses). Please note that students in multi-term courses with course numbers ending in N1 and N2 (started in the winter, skip the summer, are completed in the subsequent fall term) may withdraw on Minerva until May 15 and following May 15 until the end of the fall term course change period on September 12 (with full refund for the fall term) by contacting their faculty Student Affairs Office.
May 19, Wed.	**REG**	LAW	Registration (credits restricted) starts for returning U4 students in Faculty of Law.
May 21, Fri.	**REG**	LAW	Registration (credits restricted) starts for returning U3 students in Faculty of Law.
May 21, Fri.	LEC	P&OT	End of Integration Block lectures for 1st year Physical and Occupational Therapy students.
May 24, Mon.	HOLIDAY		**VICTORIA DAY** (Classes cancelled). Administrative offices closed. Libraries are closed.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
May 25, Tues. to May 31, Mon.	EXAM	P&OT	Examination period for 1st year Physical and Occupational Therapy students- Integration Block.
May 25, Tues.	**REG**	LAW	Registration (credits restricted) starts for returning U2 students in Faculty of Law.
May 27, Thurs.	**REG**	LAW	Registration with credit limit raised for all returning students in Faculty of Law.
May 31, Mon.	DEF/SUPP	LAW	Law application deadline for deferred and supplemental examinations (fall term, winter term and full year courses).
May 31, Mon.	CONV	——▶	10:00 Management 15:00 Health Sciences 19:00 Continuing Education
May-June-July-Aug.	STAGE	P&OT	Clinical Affiliations for 2nd year Physical and Occupational Therapy students.
June 2004			
June 1, Tues.	APP	REL	Application deadline for Fall admission to Faculty of Religious Studies, BTh Program.
June 1, Tues.	APP	CE	Application deadline for Fall admission to Continuing Education Programs.
June 1, Tues.	IFT	——▶	Agricultural and Environmental Sciences, Arts, Education, Engineering, Management, Nursing and Science application deadline for Fall Term 2004 inter-faculty transfers.
June 1, Tues.	PREXAM	MUS	Application deadline for September Music practical examinations. (Summer graduands only.)
June 1, Tues.	CONV	——▶	10:00 Education 14:00 Engineering
June 2, Wed.	CONV	——▶	10:00 Arts & Religious Studies 14:00 Music
June 3, Thurs.	CONV	——▶	14:00 Science
June 4, Fri.	CONV	——▶	10:00 Law
June 4, Fri.	CONV	——▶	14:30 Agricultural & Environmental Sciences
June 4, Fri.	LEC/ EXAM/ STAGE	NURS	Last day of stage (including examinations) for U3 Nursing students. Last day of lectures, stage (including examination) for U2 B.Sc.(N.) students.
June 7, Mon.	THES	GRAD	Deadline to submit Doctoral theses with Nomination of Examiners forms to GPSO (Thesis Office) for students expecting to convocate in Fall 2004. Meeting this deadline does not guarantee a Fall graduation.
June 9, Wed.	LEC	SPBSW	Last day of lectures for incoming Special B.S.W students.
June 18, Fri.	STAGE	D&HN NURS	Last day for NUTR 311, Stage in Dietetics 2B. Last day of lectures, stage (including examinations) for U1 B.Sc.(N.) students.
June 21, Mon.	THES	GRAD	Deadline to submit Master's theses with Nomination of Examiners forms to GPSO (Thesis Office) for students expecting to convocate in Fall 2004. Meeting this deadline does not guarantee a Fall graduation.
June 21, Mon.	LEC/ EXAM	DENT/ MED	Last day for 1st year Dentistry/Medicine students.
June 24, Thurs.	HOLIDAY		**LA FÊTE NATIONALE DU QUÉBEC**. Libraries closed. Classes cancelled. Administrative offices closed.
	NOTE		**Between June 25 and August 13 (inclusive) administrative offices will be closed each Friday.**
June 28, Mon.	STAGE	D & HN	Site Placements begin for NUTR 209, Professional Practice Stage 1B (Dietetics).
July 2004			
July 1, Thurs.	HOLIDAY		**CANADA DAY.** Classes cancelled. Libraries closed. Administrative offices closed.
July 13, Tues.	PLEXAM	——▶	Application deadline for newly admitted students for placement tests in basic science courses in biology, chemistry, math, physics.
July 15, Thurs.	SUPP	——▶	Application deadline for supplemental examinations for courses ending in Winter Term 2004 (including multi-term courses ending in winter term) for Arts, Education, Nursing, Religious Studies, Science and Social Work (supplemental exams not available for Agricultural and Environmental Sciences, Engineering [except freshman U0 courses] or Management courses).
July 15, Thurs.	REG	MUS	Deadline for returning students to submit practical lesson assignment cards without a late fee.
July 20, Tues. to Sept. 1, Wed.	**REG**	CE	Registration using Minerva begins for returning Continuing Education students for Fall courses and programs.
July 23, Fri.		MED	Last day for activities for 2nd year Medicine Students.
July 27, Tues. to Sept. 1, Wed.	**REG**	CE	Registration using Minerva begins for newly admitted students in Continuing Education.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
August 2004			
Aug. 2, Mon.	**REG**	RET	Last day for returning students in all faculties to register (except Continuing Education) without a late registration fee.
Aug. 3, Tues. to Aug. 10, Tues.	**REG**	MED/ DENT	Registration using Minerva for 1st year Medicine and Dentistry students. Must confirm registration by attending in-faculty confirmation of registration on August 11th.
Aug. 3, Tues. to Sept. 1, Wed.	**REG**	ALL	Late registration using Minerva for returning students in all faculties (except Continuing Education) with a $50 late fee.
Aug. 3, Tues. to Sept. 1, Wed.	**REG**	NEW	Registration using Minerva for all newly admitted students in Graduate Studies and Law.
Aug. 3, Tues. to Sept. 1, Wed.	REG	NEW	Registration using Minerva for all newly admitted undergraduate students in the following faculties whose highest level of education prior to registering at McGill is a CEGEP Diploma, French Baccalaureate, International Baccalaureate or at least one year of university. Agricultural and Environmental Sciences, Arts, Education, Engineering including Architecture, Management, Music, Nursing, Physical and Occupational Therapy, Religious Studies, Science, and Social Work.
Aug. 5, Thurs. to Sept. 1, Wed.	**REG**	NEW	Registration using Minerva for all newly admitted undergraduate students in the following faculties whose highest level of education prior to registering at McGill is high school. Agricultural and Environmental Sciences, Arts, Education, Engineering including Architecture, Management, Music, Nursing, Physical and Occupational Therapy, Religious Studies, Science, and Social Work.
Aug. 5, Thurs. to Sept. 1, Wed.	**REG**	CE	Registration using Minerva for returning Continuing Education Special students.
Aug. 9, Mon. & Aug. 10, Tues.	ADV	EDUC	Early advising for new students in Education. (Please consult the Education Handbook or Student Affairs web site at www.mcgill.ca/edu-sao/).
Aug. 9, Mon. & Aug. 10, Tues.	ADV	NURS	Academic Advising for undergraduate students entering the Integrated Nursing Program.
Aug. 9, Mon. to Aug. 19, Thurs.	DEF/ SUPP	LAW	Deferred and supplemental examinations in Law.
Aug. 11, Wed.	**REG**	MED	Mandatory in-faculty confirmation of registration for 1st year Medicine and Dentistry students (all day).
Aug. 15, Sun.	**REG**	⟶	Registration using Minerva begins for fall term Continuing Education courses for all faculties except Dentistry, Law, Management, Medicine, Nursing and Physical and Occupational Therapy.
Aug. 16, Mon.	LEC	DENT/ MED	Lectures begin in the Faculty of Dentistry for 1st year students and in the Faculty of Medicine for 1st year students.
Aug. 17, Tues. to August 31, Tues.	IDCARD	⟶	IDs at the Trottier Building. Including Saturday, August 21 and Sunday, August 22. Excluding Saturday, August 28 and Sunday, August 29.
Aug. 19, Thurs. to Sept. 3, Fri.	ORIENT	ALL	Orientation Centre opens daily at 9:00 a.m., Brown Student Services Building, 2nd floor, 3600 McTavish Street (closed weekends and Labour Day).
Aug. 19, Thurs. to Sept. 10, Fri.	ORIENT	ALL	First-Year Resource Room opens daily (9:00 a.m. to 5:00 p.m.) Brown Student Services Building, Room 2007, 3600 McTavish Street (closed weekends and Labour Day).
Aug. 23, Mon.	**REG**	DENT	In-faculty confirmation of registration for 3rd and 4th year Dentistry students.
Aug. 23, Mon.	LEC	DENT	Lectures begin in the Faculty of Dentistry for 3rd and 4th year students.
Aug. 23, Mon.	LEC	DENT/ MED	Classes begin in the Faculties of Dentistry and Medicine for 2nd year students.
Aug. 23, Mon.	LEC	ART/SCI	Students registering for BIOL 358 report for field excursion at 9:00 a.m. in R2-046 Raymond Building, Macdonald Campus. Field excursions continue on Aug. 24th, 26th, and 27th.
Aug. 23, Mon.	LEC	A&ES	Students registering for PLNT 358 report for field excursion at 9:00 a.m. in R2-046 Raymond Building, Macdonald Campus. Field excursions continue on Aug. 24th, 26th and 27th.
Aug. 23, Mon. to Aug. 28, Sat.	LEC	A&ES	Students registering for WILD 401 report for class at 9:00 a.m. Field session lasts from Monday to Saturday inclusive
Aug. 23, Mon. & Aug. 25, Wed.	ORIENT	ART/SCI	Departmental Orientation sessions for some departments. Students must check the Student Affairs Office website for specific details: www.mcgill.ca/artscisao/.
Aug. 23, Mon. to Aug. 27, Fri.	ADV	ART/SCI	Academic advising for new students in Arts (including BSW) and Science. Refer to "Welcome to McGill" book for details.
Aug. 23, Mon. to Aug. 27, Fri.	ADV	EDUC	Academic advising for new students in Education. (Please consult the Student Affairs web site at www.mcgill.ca/edu-sao/ for exact schedule).
Aug. 23, Mon. to Aug. 31, Tues.	ADV	A&ES	Academic advising for new students in Agricultural and Environmental Sciences and School of Dietetics and Human Nutrition. Refer to "The Essential Guide for New Students" booklet and website www.mcgill.ca/macdonald/ for specific details.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
Aug. 23, Mon. to Aug. 31, Tues.	ORIENT	ALL	Orientation Week
Aug. 23, Mon. to Aug. 31, Tues.	ORIENT	A&ES	**"Discover Mac"** – Faculty Orientation for all new students (undergraduate and graduate) in the faculty of Agricultural and Environmental Sciences.
Aug. 23, Mon. to Sept. 9, Thurs.	IDCARD	A&ES	IDs at Laird Hall during "Discover Mac" week. Refer to Orientation schedule and website www.mcgill.ca/macdonald/ for more details (closed Monday, September 6).
Aug. 24, Tues.	ORIENT	NEW	**"Discover McGill" -** University and Faculty orientation for all new undergraduate students. Refer to "Welcome to McGill" book for details.
Aug. 24, Tues. & Aug. 25, Wed.	DEF	A&ES	Deferred exams in Faculty of Agricultural and Environmental Sciences for Winter Term 2004 courses.
Aug. 25, Wed.	ADV	MUS	Advising of new undergraduate students in Music at the Strathcona Music Building.
Aug. 25, Wed.	ADV	NURS	Academic advising for undergraduate students entering U0 and mature students from 9h00 to 12h00. Academic advising for non-McGill undergraduate students transferring from other Universities into Nursing, from 13h00 to 16h00.
Aug. 25, Wed. & Aug. 26, Thurs.	DEF/SUPP	→	Deferred and supplemental examinations for courses in Winter Term 2004 (including multi-term courses ending in winter term) for Arts, Education, Engineering (U0 courses), Nursing, Physical and Occupational Therapy, Religious Studies, Science, and Social Work.
Aug. 25, Wed. to Aug. 27, Fri.	PLEXAM	→	Placement examinations for newly admitted students in basic science courses in biology, chemistry, math, physics.
Aug. 25, Wed. & Aug. 26, Thurs.	ADV	MGMT	Advising (compulsory) for new students in Management including Visiting students. See "Welcome to McGill" book for specific details.
Aug. 26, Thurs. to Aug. 31, Tues.	ADV	ENG	Advising (compulsory) for new students in Engineering including Architecture. Refer to "Welcome to McGill" book and website www.mcgill.ca/engineering for specific dates.
Aug. 26, Thurs. & Aug. 27, Fri.	PLEXAM	MUS	Undergraduate placement examinations in Music History, Theory, Musicianship and Keyboard Proficiency.
Aug. 26, Thurs. to Aug. 31, Tues.	LEC	A&ES	A&ES students registering for PLNT 358 report for field classes starting at 9a.m., Aug. 26, in Room R2-046.
Aug. 27, Fri.	**REG**	ALL	Deadline for cancellation of registration for the Fall term except Continuing Education. (Deposit is non-refundable for new students.)
Aug. 30, Mon.	LEC	MED	Classes begin in the Faculty of Medicine for 3rd year students.
Aug. 30, Mon.	LEC	FMT	First day of lectures in Farm Management and Technology Program (all years).
Aug. 31, Tues.	THES	GRAD	Registered students in 2003-2004 who have completed the residency in a thesis program and who submit their theses to GPSO (Thesis Office) on or before this date are not required to register for the 2004-2005 academic year. Students who have already registered for the year must ask the Graduate and Postdoctoral Studies Office, in writing, to delete their registration at the time of their thesis submission.
	NOTE		**Students should not expect to graduate in Fall 2004, but must graduate by Fall 2005 (at the latest), otherwise, they must be reinstated and will be charged retroactive registration fees for all unregistered sessions up to and including the term in which they graduate.**
Aug. 31, Tues.	INFO	BSW	B.S.W. Field information session (all day).
Aug. 31, Tues.	ORIENT	D & HN	Orientation for NUTR 510, Professional Practice–Stage 4 (Dietetics) (8:30am - 4:00 p.m.); placements commence September 1.
Aug. 31, Tues.	ORIENT	LAW	Faculty Orientation and in-faculty confirmation of registration for 1st year, special and visiting students in Law, Chancellor Day Hall.
Aug. 31, Tues. to Sept. 3, Fri.	AUD	MUS	Auditions for students wishing to take Music Ensemble courses.
September 2004			
Sept. 1, Wed.	**REG**	ALL	Deadline for new students to register without a late registration fee for all faculties and for returning students to register with a $50 late fee ($20 for Special students).
Sept. 1, Wed.	**REG**	CE	Deadline for students to register for Continuing Education courses without a late registration fee.
Sept. 1, Wed.	INFO	MSW	M.S.W. information session (all day).

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
Sept. 1, Wed.	LEC	→	Lectures begin in programs in Agricultural and Environmental Sciences, Arts, Continuing Education (all credit courses), Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy (1st and 2nd year students), Religious Studies, Science, and Social Work (BSW).
	NOTE	EDUC	**Education students should consult the appropriate Faculty of Education Advising material for details regarding Field Experience courses. Please be aware that a number of placements end later than the last day of lectures in the Fall term.**
Sept. 1, Wed.	ORIENT	P&OT	Orientation for 1st and 2nd year Physical and Occupational Therapy students.
Sept. 1, Wed. to Sept. 17, Fri.	ADV	ENG	Compulsory academic advising and course approval required for ALL returning Engineering students (first two weeks of classes).
Sept. 2, Thurs.	STAGE	MSW	M.S.W. Field Practice commences.
Sept. 2, Thurs.	STAGE	BSW MSW	B.S.W. Field Practice commences. M.S.W. lectures begin.
Sept. 2, Thurs. to Sept. 6, Mon.	**REG**	EDUC	Education Intensive courses Course Add period in Fall Term courses.
Sept. 2, Thurs. to Sept. 10, Fri.	**REG**	MUS	Music (practical lessons) Course Change period in Fall Term courses. Submit course change form to Performance Department. (No withdrawals from practical lessons after this period.)
Sept. 2, Thurs. to Sept. 12, Sun.	**REG**	ALL	Late registration period with $100 late registration fee for all faculties ($25late registration fee for Continuing Education students; $40 for Special students).
Sept. 6, Mon.	HOLIDAY		**LABOUR DAY.** (Classes cancelled). Libraries closed. Administrative offices closed.
Sept. 7, Tues.	LEC	CE	Lectures begin in non-credit courses in English and French Language programs at Continuing Education (except Special Intensive English and French).
Sept. 7, Tues.	ORIENT	P&OT	Orientation for 3rd year Physical and Occupational Therapy students.
Sept. 7, Tues.	LEC	P&OT	Lectures begin for 3rd year Physical and Occupational Therapy students.
Sept. 7, Tues.	ORIENT	GRAD	University Orientation for new graduate students in Thomson House, 3650 McTavish Street, either 10:30 - 11:30 a.m. or 5:00 - 6:00 p.m.
Sept. 8, Wed.	ORIENT	POSTDOC	University Orientation for new postdoctoral studies students in Thomson House, 3650 McTavish Street, 5:30 - 6:30 p.m.
Sept. 12, Sun.	**REG**	→	Course Change (drop/add) deadline for Fall Term and first part of multi-term courses starting in September 2004 for Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Graduate Studies, Law, Management, Music (except practical lessons), Nursing, Physical and Occupational Therapy, Religious Studies, Social Work, and Science. (No withdrawals from Music Ensembles after this date.)
Sept. 12, Sun.	**W**	→	Deadline for Web withdrawing (grade of "W") from multi-term courses that started in Summer 2004 (with fee refund for Fall Term) for students in Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Physical and Occupational Therapy, Religious Studies, Social Work, and Science (no withdrawals from Education Intensive courses). Please note that students in multi-term courses with course numbers ending in N1 and N2 (started in the winter, skip the summer, are completed in the subsequent fall term) may withdraw on Minerva until May 15 and following May 15 until the end of the fall term course change period on September 12 (with full refund for the fall term) by contacting their faculty Student Affairs Office.
Sept. 13, Mon. to Sept. 17, Fri.	PREXAM	MUS	Practical Examinations for Fall graduates in Music.
Sept. 19, Sun.	**W/W--**	ALL	Deadline to web withdraw (grade of "W") with full refund (less $100 minimum charge for returning students and less deposit for new students, in case of complete withdrawal from the University).
Sept. 19, Sun.	**W**	CE	Deadline to web withdraw (grade of "W") with refund (less $20 charge per course) from Continuing Education *credit* courses.
Sept. 20, Mon.	LEC	CE	Lectures begin in Special Intensive English, Special Intensive French and General Studies non-credit courses at Continuing Education.
Sept. 24, Fri.	AWRD	GRAD	Returning Master's and Doctoral level students should enquire of their departments or the GPSO (Graduate Fellowships and Awards) regarding precise deadlines for internal and external fellowship competitions; important deadlines normally fall during the months of October and November.
October 2004			
Oct. 1, Fri.	APP	LAW	Deadline for Law Quebec Bar applicants for Winter Term 2005.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
Oct. 1, Fri.	APP	CE	Application deadline for Winter admission to Continuing Education Programs.
Oct. 4, Mon.	THES	GRAD	Deadline for submission of doctoral theses with Nomination of Examiners forms to GPSO (Thesis Office) for students expecting to graduate in February 2005. Meeting this deadline does not guarantee a Winter graduation.
Oct. 4, Mon. to Oct.8, Fri.	VERIF	⟶	Verification period by printed form for all faculties for students for whom the fall is their last term before graduation (excluding Continuing Education, Graduate Studies and Agricultural and Environmental Sciences); via Minerva for all other students.
Oct. 4, Mon. to Oct.9, Sat.	STAGE	FMT	Farm Practice 1 in Farm Management and Technology Program.
Oct. 10, Sun.	**W**	⟶	Deadline for web withdrawing (grade of "W") from Fall Term courses and Continuing Education Fall Term courses for students in Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy, Religious Studies, Social Work, and Science. (No withdrawals from Education Intensive or from ensembles or practical lessons in Music.)
Oct. 11, Mon.	HOLIDAY		**THANKSGIVING DAY** (Classes cancelled). Libraries closed. Administrative offices closed. Continuing Education evening classes will be re-scheduled.
Oct. 14, Thurs. to Oct. 17, Sun.	EVENT	ALL	Homecoming 2004 (including Macdonald campus activities).
Oct. 16, Sat.	EVENT	A&ES	Annual Homecoming, Macdonald Branch of the McGill Alumni Association (Macdonald campus).
Oct. 18, Mon.	THES	GRAD	Deadline for submission of Master's theses with Nomination of Examiners forms to GPSO (Thesis Office) for students expecting to graduate in February 2005. Meeting this deadline does not guarantee a Winter graduation.
Oct. 28, Thurs.	CONV	ALL	14:30 Fall Convocation.
November 2004			
Nov. 1, Mon.	APP	REL	Application deadline for Winter admission to Faculty of Religious Studies, BTh Program.
Nov. 1, Mon.	APP	NURS	Application deadline for Winter admission to School of Nursing for 3 year Bachelor of Nursing Program.
Nov. 1, Mon.	IFT	⟶	Application deadline for Winter Term 2005 inter-faculty transfers.
	NOTE		**The faculties of Arts, Engineering (see website www.mcgill.ca/engineering for details on programs open for January admission), Education, Management and Science do not accept Winter Term inter-faculty transfers. Also, please contact the Faculty of Music to determine which of their programs accept Winter Term inter-faculty transfers.**
Nov. 4, Thurs.	AWRD	A&ES	Scholastic Awards Reception and Presentation, Faculty of Agricultural and Environmental Sciences.
Nov. 5, Fri.	LEC	P&OT	Last day of lectures for 3rd year students in Physical and Occupational Therapy.
Nov. 8, Mon. to Nov. 12, Fri.	EXAM	P&OT	Fall examination period for 3rd year Physical and Occupational Therapy students.
Nov. 12, Fri.	EXAM	A&ES	Deadline to report all exam conflicts to the Student Affairs Office (Laird Hall, Room 106) for fall term exams.
Nov. 15, Mon.	APP	MED	Deadline for applications for applicants to the M.D., C.M. program whose residence is outside of Quebec.
Nov. 15, Mon.	APP	MED	Deadline for all applicants to the M.D.-Ph.D. program.
Nov. 15, Mon.	APP	MED	Deadline for all applicants to the M.D.-M.B.A. program.
Nov. 15, Mon. to Dec. 17, Fri.	STAGE	P&OT	Clinical Affiliation for 3rd year Physical and Occupational Therapy students.
Nov. 16, Tues. to Jan. 3, Mon.	**REG**	CE	Registration using Minerva begins for Winter courses and programs for returning students in Continuing Education.
Nov. 22, Mon. to Jan. 3, Mon.	**REG**	CE	Registration using Minerva begins for newly admitted students in Continuing Education.
Nov. 22, Mon. to Nov. 29, Mon.	EXAM	CE	Fall examination period for all language and translation courses in Continuing Education.
Nov. 29, Mon. to Jan. 3, Mon.	**REG**	CE	Registration using Minerva for returning Continuing Education Special students.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
Nov. 30, Tues.	LEC	→	Last day of lectures for courses that followthe Tuesday-Thursday class schedule in Agricultural and Environmental Sciences, Arts, Education (except for 1st year students in Kind & Elem & Sec programs), Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy (1st & 2nd year), Religious Studies, Science and Social Work (B.S.W and M.S.W.).
December 2004			
Dec. 3, Fri. to Jan.3, Mon.	**REG**	→	Winter Term registration period for new students in Agricultural and Environmental Sciences, Arts, Education, Engineering including Architecture, Graduate Studies, Management, Music, Nursing, Religious Studies, Science, and Social Work. Individual faculties and departments set their own dates within this period.
Dec. 2, Thurs.	LEC	→	Unless the instructor has otherwise made up the contact time with the class, last day of lectures for courses that are taught in 3 hour Monday blocks in Agricultural and Environmental Sciences, Arts, Education (except for 1st year students in Kind & Elem & Sec programs), Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy (1st & 2nd year), Religious Studies, Science and Social Work (B.S.W and M.S.W.).
Dec. 3, Fri.	LEC	CE	Last day of lectures for Continuing Education.
Dec. 3, Fri.	LEC	→	Last day of lectures for course that follow theMonday-Wednesday-Friday class schedule in Agricultural and Environmental Sciences, Arts, Education (except for 1st year students in Kind & Elem & Sec programs), Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy (1st & 2nd year), Religious Studies, Science and Social Work (B.S.W and M.S.W.).
Dec. 3, Fri.	**REG**	MBA	Winter Term registration period for all new M.B.A. part-time students.
Dec. 6, Mon. to Dec. 21, Tues.	EXAM	→	Examination period for Fall Term courses, and multi-term courses given by Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy (1st and 2nd year), Religious Studies, Science, and Social Work (B.S.W.).
Dec. 10, Fri.	STAGE	BSW/ MSW	Last day of B.S.W. and M.S.W. Field Practice.
Dec. 10, Fri.	STAGE	EDUC	Last day of 3rd and 4th year field exp. in many B.Ed. programs
Dec. 13, Mon.	LEC	DENT/ MED	Last day of Fall Term (exam day) for 1st year students in Dentistry and Medicine.
Dec. 14, Tues.	LEC	FMT	Last day of lectures for Fall Term, Farm Management and Technology program.
Dec. 15, Wed.	APP	MUS	Deadline for application for admission for all graduate programs.
Dec. 15, Wed.	**REG**	→	Registration begins for winter term Continuing Education courses via Minerva for all faculties except Dentistry, Law, Management, Medicine and Physical and Occupational Therapy.
Dec. 15, Wed. to Dec. 22, Wed.	EXAM	FMT	Fall Term examination period for Farm Management and Technology program.
Dec. 17, Fri.	LEC	DENT	Last day of Fall Term for 3rd and 4th year students in Dentistry.
Dec. 17, Fri.	STAGE	D & HN	Last day for NUTR 510, Professional Practice—Stage 4 (Dietetics).
Dec. 20, Mon.	LEC	DENT/ MED	Last day of Fall Term (exam day) for 2nd year students in Dentistry and Medicine.
Dec. 23, Thurs. to Jan. 2, Sun.	HOLIDAY		**CHRISTMAS AND NEW YEAR'S.** Administrative offices will be closed between December 23 and January 2 inclusive. Library hours available at Reference Desks. Refer also to McGill's Web page at www.library.mcgill.ca
Dec. 25, Sat.	HOLIDAY		**CHRISTMAS DAY**. Libraries closed.
January 2005			
Jan. 1, Sat.	HOLIDAY		**NEW YEAR'S DAY** . Libraries closed.
Jan. 1, Sat. & Jan.2. Sun.	HOLIDAY		**NEW YEAR'S** . Administrative offices closed.
Jan. 3, Mon.	ADV	→	Academic advising for new students in Arts and Science, and Management.
Jan. 3, Mon.	ORIENT/ ADV	ENG	Orientation and academic advising for new students in Engineering. (See Welcome Book and website www.mcgill.ca/engineering for details).
Jan. 3, Mon.	ADV	A&ES	Academic advising for new students in the Faculty of Agricultural and Environmental Sciences. (See "The Essential Guide for New Students" Booklet and website www.mcgill.ca/madonald for details).
Jan. 3, Mon.	**REG**	ALL	Deadline for new students to register for Winter Term without a late registration fee for all faculties.
Jan. 3, Mon.	**REG**	CE	Deadline for students to register for Continuing Education courses without a late registration fee.
Jan. 3, Mon.	STAGE	MSW	Field Practice resumes for M.S.W. students.
Jan. 3, Mon.	LEC	MSW	Lectures begin for M.S.W. students.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
Jan. 3, Mon. & Jan.4, Tues.	AUD	MUS	Auditions for students wishing to take Music Ensemble courses.
Jan. 3, Mon. to Jan.14, Fri.	ADV	ENG	Compulsory academic advising and course approval required for ALL returning Engineering students. (First two weeks of classes)
Jan. 3, Mon. to Feb.4, Fri.	STAGE	P&OT	Clinical Affiliation for 3rd year Physical and Occupational Therapy students.
Jan. 4, Tues.	LEC	⟶	Winter Term lectures begin in Agricultural and Environmental Sciences (including Farm Management and Technology program), Arts, credit courses at Continuing Education (all programs), Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy (1st and 2nd year students), Religious Studies, Science, Social Work, Dentistry (all programs) and Medicine students.
	NOTE		**The first Tuesday (January 4) will follow a Monday schedule.**
	NOTE	EDUC	**Education students should consult the Faculty website, www.mcgill.ca/edu-sao/ for details regarding Field Experience courses. Please be aware that a number of placements end later than the last day of lectures in the Winter term.**
Jan. 4, Tues.	STAGE	BSW	Field Practice resumes for B.S.W. students.
Jan. 4, Tues. to Jan. 16, Sun.	**REG**	NEW	Late registration for new students with $100 late registration fee for all faculties ($25 late registration fee for all Continuing Education students; $40for Special students).
Jan. 5, Wed.	ORIENT	NEW	University Orientation for new undergraduate students (5:30 - 6:30 p.m., Moyse Hall in the Arts Building).
Jan. 5, Wed.	ORIENT	A&ES	Faculty Orientation for new undergraduate and graduate students in the Faculty of Agricultural and Environmental Sciences (5:30 -6:30 p.m.) Ceilidh Centennial Center.
Jan. 6, Thurs.	**REG**	EDUC	Course add deadline to add Education Intensive courses for Winter term.
Jan. 6, Thurs.	ORIENT	GRAD	University Orientation for new graduate students (5:30 - 6:30 p.m., Ballroom in Thomson House).
Jan. 10, Mon.	LEC	CE	Lectures begin in non-credit language and General Studies courses at Continuing Education.
Jan. 11, Tues.	ORIENT	POSTDOC	University Orientation for new post doctoral studies students (5:30 - 6:30 p.m., Ballroom in Thomson House).
Jan. 14, Fri.	IFT	MUS	Music application deadline for Fall Term 2005 inter-faculty transfers.
Jan. 14, Fri.	DEF	⟶	Application deadline for deferred examinations for courses from the Fall Term 2004 in Arts (including School of Social Work), Education, Nursing and Science. (For details, see the Faculty Regulations in the Arts and Science sections of the UG Calendar.)
Jan. 14, Fri.	**REG**	MUS	Music (practical lessons) deadline for dropping Winter Term courses. (Music: Submit course change form to Performance Department. No withdrawals from practical lessons after this date.)
Jan. 15, Sat.	APP	MUS	Deadline for applications for admission for all undergraduate applicants.
Jan. 15, Sat.	APP	MED	Deadline for residents of Quebec applying to the M.D., C.M. programs.
Jan. 16, Sun.	**REG**	ALL	Course Change (drop/add) deadline for Winter Term courses and Continuing Education Winter Term courses for Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Law, Management, Music (except practical lessons), Nursing, Physical and Occupational Therapy, Religious Studies, Science and Social Work. (No withdrawals from Music Ensembles after this date.)
Jan. 16, Sun.	**REG**	CE	Course change (drop/add) deadline for Continuing Education.
Jan. 16, Sun.	**REG**	GRAD	Final Course Add/Drop deadline for Winter Term courses and N1/N2 courses in Graduate Studies. After this date students receive a mark of "W" (withdrawn).
Jan. 16, Sun.	**W**	⟶	Deadline for web withdrawing (grade of "W") from multi-term courses that started in September 2004 **(with fee refund for Winter Term)** for students in Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy, Religious Studies, Social Work, and Science (no withdrawals from Education Intensive).
Jan. 17, Mon.	LEC	CE	Lectures begin in Special Intensive English and French at Continuing Education.
Jan. 17, Mon.	APP	LAW	Deadline for non-CEGEP Law applications into 1st year and Advanced Standing Applicants.
Jan. 22, Sat. to Jan. 28, Fri.	EVENT	A&ES	Carnival Week at Macdonald Campus. Classes as usual.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
Jan. 23, Sun.	**W/W--**	→	Deadline to web withdraw (grade of "W") from Winter Term courses with fee refund. **Returning students** - less $100 minimum charge in the case of complete withdrawal for students not registered in the fall. **New students** - less deposit in case of complete withdrawal. (No withdrawals from Ed. intensive courses, or music ensembles and practical lessons.)
Jan. 28, Fri.	ORIENT	D & HN	Campus orientation for NUTR 409, Stage in Dietetics Level 3 (afternoon session).
Jan. 31, Mon.	APP	MGMT/ SCI	Application deadline for Science students applying to the Minors in Management and Technological Entrepreneurship (Management Student Affairs Office).
Jan. 31, Mon. to Feb. 4, Fri.	BREAK	D & HN	Study break for NUTR 409, Stage in Dietetics Level 3.
Jan. 31, Mon. to Feb. 4, Fri.	VERIF	→	Verification period by printed form for all faculties for students for whom the winter or summer is their last term before graduation (excluding Continuing Education, Graduate Studies and Agricultural and Environmental Sciences); via Minerva for all other students.
February 2005			
Feb. 1, Tues.	APP	CE	Application deadline for Spring admission to Continuing Education Programs.
Feb. 7, Mon.	THES	GRAD	Deadline to submit doctoral theses with Nomination of Examiners forms to GPSO (Thesis Office) for students expecting to convocate in Spring 2005. Meeting this deadline does not guarantee a Spring graduation.
Feb. 7, Mon.	LEC	P&OT	Winter term lectures begin for 3rd year Physical and Occupational Therapy students.
Feb. 7, Mon.	STAGE	D & HN	Site orientation for NUTR 409, Stage in Dietetics Level 3.
Feb. 10, Thurs.	EVENT	A&ES	Macdonald College Founder's Day. (Sir William C. Macdonald born Feb. 10, 1831; died June 9, 1917). Classes cancelled 10:00 a.m. to 1:00 p.m.
Feb. 13, Sun.	**W**	→	Deadline for web withdrawing (grade of "W") from Winter and Winter term Cont. Ed courses for Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy, Religious Studies Social Work, and Science (no withdrawals from ensembles or practical lessons in Music). No Refund.
Feb. 19, Sat. to Feb. 27, Sun.	AUD	MUS	Entrance Auditions for all undergraduate and M. Mus. (Performance) applicants.
Feb. 21, Mon.	THES	GRAD	Deadline to submit Master's theses with Nomination of Examiners forms to GPSO (Thesis Office) for students expecting to convocate in Spring 2005. Meeting this deadline does not guarantee a Spring graduation.
Feb. 21, Mon. to Feb. 25, Fri.	BREAK	→	**STUDY BREAK and Carnival Friday** (Classes cancelled for all faculties except Dentistry, Medicine, Centre for Continuing Education non-credit courses, Stage in Dietetics Level 3). Study break for 2nd and 3rd year Physical and Occupational Therapy students. Libraries open.
	NOTE	EDUC	**Student Teaching is not interrupted for Education students.**
Feb. 21, Mon. to Feb. 26, Sat.	STAGE	FMT	Farm Practice/Stage for Farm Management and Technology Program years 1 and 2.
Feb. 23, Wed. to Feb. 25, Fri.	BREAK	P&OT	Study Break for 1st year Physical and Occupational Therapy students.
March 2005			
Mar. 1, Tues.	APP	GRAD	Deadline for applications for September admission to most departments for Graduate Studies. (Many departments have earlier deadlines. Please verify this date with the individual department or on the web at www.mcgill.ca/applying/graduate.)
Mar. 1, Tues.	APP	NURS	Application deadline for candidates studying, or who last studied in CEGEP in Quebec.
Mar. 1, Tues.	SUPP	→	Application deadline for supplemental examinations in Fall Term courses and N1/N2 courses from the Fall Term 2004 for Arts, Education, Nursing, Religious Studies, Social Work, and Science (not available for Agricultural and Environmental Sciences, Engineering (except freshman courses) or Management courses).
Mar. 1, Tues.	APP	MED	Deadline for residents of Quebec applying to the Med-P program.
TBA	ADV	NURS	Distribution of all registration information and calendars for returning Nursing students.
Mar. 4, Fri.	LEC	P&OT	Last day of lectures for 1st year Physical and Occupational Therapy students.
Mar. 7, Mon. to Mar. 18, Fri.	EXAM	P&OT	Winter examination period for 1st year Physical and Occupational Therapy students.
Mar. 14, Mon.	ADV	ART/SCI	Academic advising begins for returning students in Arts and Science.
Mar. 14, Mon. & Mar. 15, Tues.	ADV	ENG	Distribution of all registration information and calendars for returning Engineering students in the Student Affairs Office, Room 378, Macdonald Engineering Building.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
Mar. 14, Mon. to Mar. 18, Fri.	ADV	ART/SCI/ BSW	Distribution of calendars for returning Arts and Science students in the corridor of the Leacock Building.
Mar. 14, Mon. to Mar. 18, Fri.	ADV	MGMT	Distribution of all registration information and calendars for returning Management students.
Mar. 14, Mon. to Mar. 18, Fri.	ADV	REL	Distribution of all registration information and calendars for returning BTh students, from BIRKS building, Room 113.
Mar. 14, Mon. to Mar. 24, Thurs.	ADV	EDUC	Academic advising and distribution of material for returning students in Education.
Mar. 14, Mon. to Apr. 14, Thurs.	ADV	MUS	Academic advising for returning students in Music.
Mar. 14, Mon.	ADV	A&ES	Academic advising begins for all returning undergraduate and Farm Management and Technology students in the Faculty of Agricultural and Environmental Sciences.
TBA	ADV	P&OT	Registration counselling in Physical and Occupational Therapy for returning students.
Mar. 18, Fri.	EXAM	A&ES	Deadline to report all exam conflicts to the Student Affairs Office (Laird Hall, Room 106) for winter term exams.
Mar. 21, Mon. to Apr. 29, Fri.	STAGE	P&OT	Clinical Affiliation for 1st year Physical and Occupational Therapy students.
Mar. 25, Fri. and Mar. 28, Mon.	HOLIDAY		**EASTER.** No classes or exams. Administrative offices closed. Library hours to be announced.
Mar. 29, Tues. to Apr. 1, Fri.	EXAM	CE	Winter examination period for all language (non-credit) courses in Continuing Education.
Mar. 31, Thurs.	IFT	P&OT	Physical and Occupational Therapy application deadline for Fall term, 2005 inter-faculty transfers.
April 2005			
Apr. 1, Fri.	FORM	EDUC	Deadline to submit waiver forms for Teacher Certification for Spring and Fall graduates to the Student Affairs Office.
Apr. 1, Fri.	FORM	EDUC	Placement forms due at the Office of Student Teaching for Field Experience courses for returning students for 2004-2005.
Apr. 1, Fri.	LEC	CE	Last day of lectures in language non-credit programs at Continuing Education.
Apr. 1, Fri.	LEC	DENT	Last day of lectures for Winter Term for 4th year Dentistry students.
Apr. 4, Mon. to Apr. 7, Thurs	EXAM	CE	Examination period for translation courses in Continuing Education.
Apr. 4, Mon. to Apr.22, Fri.	EXAM	DENT	Examination period for 4th year Dentistry students.
Apr. 13, Wed.	LEC	⟶	Last day of lectures for Winter Term in Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy (2nd and 3rd year), Religious Studies, Social Work (BSW/MSW), Science.
Apr. 14, Thurs.	STAGE	BSW/ MSW	Last day of Field Practice for B.S.W. (U2 & U3) students & for M.S.W students.
Apr. 14, Thurs. to Apr. 29, Fri.	EXAM	⟶	Examination period for Winter Term and multi-term courses given by Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy (2 nd and 3rd year), Religious Studies, Science, and Social Work. *Exams begin earlier (April 4th) for Dentistry students.*
Apr. 15, Fri.	STAGE	D & HN	Last day for NUTR 409, Stage in Dietetics Level 3.
Apr. 20, Wed.	LEC	FMT	Last day of lectures in the Farm Management and Technology program.
Apr. 20, Wed.	LEC	SPBSW	Lectures resume for Special B.S.W. students.
Apr. 21, Thurs. to Apr. 29, Fri.	EXAM	FMT	Winter Term examination period for Farm Management and Technology program.
Apr. 29, Fri.	ORIENT	D & HN	Orientation for NUTR 209, Professional Practice Stage 1B (Dietetics) (mid-summer placements).
Apr. 29, Fri.	IFT	ARCH	Application deadline School of Architecture for Fall Term 2005 inter-faculty transfers.
May 2005			
May 2, Mon.	APP	LAW	Deadline for Law Transfer and Quebec Bar applicants.
May 2, Mon.	STAGE	D & HN	Orientation for NUTR 311, Stage in Dietetics 2B; placements begin May 4, Tuesday.
May 2, Mon.	LEC	P&OT	Classes reconvene for 1st year Physical and Occupational Therapy students - Integration Block.
May 2, Mon.	LEC/ STAGE	NURS	Classes reconvene and clinical courses commence for U1, U2, and U3 Nursing students.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
May 2, Mon. & May3, Tues.	DEF/SUPP	→	Deferred and supplemental examinations in Fall Term courses in Arts, Education, Nursing, Physical and Occupational Therapy, Religious Studies, Science, Social Work and Engineering U0 courses.
May 3, Tues. & May 4, Wed.	DEF	A&ES	Deferred examination in the Faculty of Agricultural and Environmental Sciences for courses ending in the Fall Term.
May 13, Fri.	DEF	→	Application deadline for deferred examinations for Winter Term and multi-term courses ending in the Winter Term 2005 in Arts (including School of Social Work), Education and Science.
May 15, Sun.	**W**	→	Deadline for web withdrawing (grade of "W") from multi-term courses that started in the Winter term 2005 and end in the Summer term or in the Fall term **(with fee refund for Winter Term)** for students in Agricultural and Environmental Sciences, Arts, Continuing Education, Education, Engineering including Architecture, Graduate Studies, Law, Management, Music, Nursing, Physical and Occupational Therapy, Religious Studies, Social Work, and Science (no withdrawals from Education Intensive).
May 20, Fri.	LEC	P&OT	End of Winter Term 2005 for Physical and Occupational Therapy students - Integration Block.
May 23, Mon.	HOLIDAY		**VICTORIA DAY** (Classes cancelled). Libraries closed. Administrative offices closed.
May 24, Tues. to May 30, Mon.	EXAM	P&OT	Examination period for 1st year Physical and Occupational Therapy students, Integration Block.
May 30, Mon.	DEF/SUPP	LAW	Law application deadline for deferred and supplemental examinations (fall term, winter term and full year courses).
May-June-July-Aug.	STAGE	P&OT	Clinical Affiliations for 2nd year Physical and Occupational Therapy students.
June 2005			
TBA	CONV	→	2005 Convocations
June 1, Wed.	APP	REL	Deadline for application for Fall admission to Faculty of Religious Studies, BTh Program.
June 1, Wed.	APP	CE	Application deadline for Fall admission to Continuing Education Programs.
June 1, Wed.	IFT	→	Agricultural and Environmental Sciences, Arts, Education, Engineering, Management, Nursing and Science application deadline for Fall Term 2005 inter-faculty transfers.
June 1, Wed.	PREXAM	MUS	Application deadline for September practical examinations in Music. (Summer graduands only.)
June 3, Fri.	LEC/EXAM /STAGE	NURS	Last day of stage (including examinations) for U3 Nursing students. Last day of lectures, stage (including examinations) for U2 Nursing students.
June 7, Tues.	LEC	SPBSW	Last day of lectures for outgoing Special B.S.W. students.
June 17, Fri.	LEC/ STAGE	NURS	Last day of lectures, stage (including examinations) for U1 B.Sc.(N.) students.
June 17, Fri.	STAGE	SPBSW/ D & HN	Last day of Field Practice for outgoing Special B.S.W. students and last day for NUTR 311, Stage in Dietetics 2B.
June 23, Thurs.	LEC/ EXAM	DENT/ MED	Last day of lectures (including examinations) for 1st & 3rd year Dentistry students and 1st year Medicine students.
June 24, Fri.	HOLIDAY		**LA FÊTE NATIONALE DU QUÉBEC.** Classes cancelled. Administrative offices closed.
June 27, Mon.	HOLIDAY		Classes cancelled. Administrative offices closed (for La Fête Nationale du Québec).
June 27, Mon.	STAGE	D & HN	Placements begin for NUTR 209, Professional Practice Stage 1B (Dietetics).
July 2005			
July 1, Fri.	HOLIDAY		**CANADA DAY.** Classes cancelled. Administrative offices closed.
July 4, Mon.	HOLIDAY		Classes cancelled. Administrative offices closed (for Canada Day).
July 5, Tues.	LEC/ EXAM	DENT	Last day of lectures (including examinations) for 2nd year Dentistry students. Add note from last year (offices closed).
July 15, Fri.	SUPP	→	Application deadline for supplemental examinations for courses ending in Winter Term 2005 (including multi-term courses ending in winter term) for Arts, Education, Nursing, Religious Studies, Science, and Social Work (supplemental exams not available for Agricultural and Environmental Sciences, Engineering (except freshman U0 courses) or Management courses).
August 2005			
Aug. 8, Mon. to Aug. 18, Thurs.	DEF/SUPP	LAW	Deferred and supplemental examinations in Law.

DATE	ACTIVITY CODE	FACULTY/ SCHOOL	ACTIVITY
Aug. 23, Tues. & Aug. 24, Wed.	DEF/SUPP	A&ES	Deferred examinations in the Faculty of Agricultural and Environmental Sciences for Winter 2005 courses.
Aug. 24, Wed. & Aug. 25, Thurs.	DEF/SUPP	→	Deferred and supplemental examinations for courses ending in Winter Term 2005 (including multi-term courses ending in the Winter term) for Arts, Education, Nursing, Physical and Occupational Therapy, Religious Studies, Science, and Social Work. Including Engineering U0 courses.

5 Fees

The University reserves the right to make changes without notice in the published scale of fees. (Note: The information in this section was prepared in May 2004.)

Further information regarding fees can be found on the Student Accounts Web site www.mcgill.ca/student-accounts.

Note: This section relates only to fees for the undergraduate programs listed in this Calendar. Graduate program fee information can be found in the General Information section of the *Graduate and Postdoctoral Studies Calendar*, or obtained from the unit concerned.

5.1 Fee Information Booklet

The *Fee Information* booklet, published in June of each year by the Student Accounts Office, contains additional information as well as any fee adjustments which may have been made after the publication of this Calendar. Students are bound by the policies and procedures contained therein. In the event of any discrepancy, the *Fee Information* booklet supersedes the Calendar.

A copy of the booklet will be sent to all new students. The contents are also available on the Student Accounts Web site at www.mcgill.ca/student-accounts.

5.2 Access to Fee Information

Students can view their Account Summary by Term on Minerva. The Fall 2004 session fees become accessible as of August 1st.

5.3 Tuition Fees

The University will charge the following tuition fees in 2004-05 which will vary according to the residence and citizenship status of the student. The rates described below only refer to credit activities.

Quebec Students
The 2004-05 tuition fees for Quebec students who are Canadian citizens or Permanent Residents are $55.61 per credit or $1,668.30 for 30 credits.

In accordance with provincial government requirements, students must provide proof that they qualify for assessment of fees at the Quebec rate; see section2.4.1 "Documentation for Permanent Code, Citizenship and Proof of Quebec Residency" for details.

Note: Students who do not submit appropriate documentation by the stipulated deadline are billed at the non-Quebec Canadian or the international rate, depending on the documentation submitted.

If proof of status is submitted after a student has been billed, but before the document submission deadline, the tuition supplement will be waived. Any late payment and/or interest charges accumulated during the documentation evaluation period **will not** be waived.

Non-Quebec Students (Canadian or Permanent Resident)
The 2004-05 tuition fees for non-Quebec students who are Canadian citizens or Permanent Residents are expected to be $146.71 per credit or $4,401.30 for 30 credits. Le Ministère de l'Éducation du Québec will formally notify the University during the Spring of any changes.

In accordance with provincial government requirements, students must provide proof that they qualify for assessment of fees at the non-Quebec Canadian rate; see section 2.4.1 "Documentation for Permanent Code, Citizenship and Proof of Quebec Residency" for details.

Note: Students who do not submit appropriate documentation by the stipulated deadline will be billed at the international rate.

If proof of status is submitted after a student has been billed, but before the document submission deadline, the tuition supplement will be waived. Any late payment and/or interest charges accumulated during the documentation evaluation period **will not** be waived.

International Students
The 2004-05 tuition fees for international students in all undergraduate programs included in this Calendar except Dentistry and Medicine are $408.25 per credit ($12,247.50).

The international fees listed in section 5.11 "Yearly Fees and Charges by Faculty" are representative of fees that students could expect to be charged in each degree program.

Exemption from International Tuition Fees may be claimed by students in certain categories. Such students, if eligible, are then assessed at the Quebec student rate.

A list of these categories and the required application forms can be obtained from the Admissions, Recruitment and Registrar's Office. Information is also available on the Web at www.mcgill.ca/students.

5.4 Documentation

For information, see section 2.4 "Documentation".

5.5 Compulsory Fees

5.5.1 Student Services Fees

Student Services fees are governed by the Senate Committee on the Coordination of Student Services, a parity committee composed equally of students and university staff.

Through the Dean of Students' Office these services are available on campus to help students achieve greater academic, physical and social well-being. They include athletics facilities, student health and mental health, financial aid, counselling, tutorial service, off-campus housing, services for students with disabilities, chaplaincy, the Career and Placement Service, International Student Services, and the administration of the *Student Rights and Responsibilities Handbook*.

5.5.2 Student Society Fees

Student Society fees are compulsory fees collected on behalf of student organizations. Fees must be approved by the student body through fee referenda according to the constitutional rules of the association or society.

Changes to Student Society fees are voted upon by the students during the Spring referendum period.

Note: For International students, the student society fee includes the SSMU Dental Insurance plan of $76.92. International students will be obliged to participate in the University's compulsory International Health Insurance Plan, which at the 2004-05 rate will cost $663 for single coverage. For more information, please contact International Student Services, (514) 398-6012.

5.5.3 Registration Charge

The University charges a per credit registration charge to all students in courses and programs. This is assessed as follows: $6.50 per credit to a maximum of $97.50 per term.

5.5.4 Information Technology Charge

The purpose of the information technology charge is to enhance certain technology services provided to students as well as to provide training and support to students in the use of new technology. The fee is assessed as follows: $5.83 per credit to a maximum of $87.45 per term.

5.5.5 Transcript Charge

The University charges a per credit transcript charge to all students. This entitles students to order transcripts free of charge and is assessed as follows: $.58 per credit to a maximum of $8.70 per term.

5.5.6 Copyright Fee

All Quebec universities pay a per credit fee to Copibec (a consortium that protects the interests of authors and editors) for the right to photocopy material protected by copyright. The fee is assessed as follows: $.58 per credit to a maximum of $8.70 per term.

5.6 Other Fees

International Student Health and Accident Plan (compulsory) Single (based on 2004-05 rates)	$663
Application for Admission	
All faculties (except Management graduate programs)	$60
Management graduate programs	$100
Reconsideration of Application (excluding Medicine and Dentistry)	$40
Admission appeals charge (excluding Medicine)	$100
Late Registration	
After regular registration deadline:	
• All eligible returning students, except Special students and Graduate part-time students.	$50
• Special students and Graduate part-time students.	$20
As of the second day of classes	
• All students except Special students and Graduate part-time students.	$100
• Special students and Graduate part-time and additional session students.	$40
Late Course Change Fee	$25
Minimum Charge upon withdrawal	$100
Re-reading Examination Paper (refundable if the letter grade is increased)	$35
Supplemental Examinations, each written paper	$35
Graduation Fee*	$60
Duplicate ID Card	$20
Late Payment – charged on balances >$100 as of the end of October (end of February for the Winter term)	$25
Interest on outstanding balances 1.42% per month or 17.03% annually	
Returned cheque charge	$20
Prepayment Fee:	
Dentistry	$2,000
Pre-Dentistry	$1,000
Medicine	$500

* Students will be charged a graduation fee in their graduating year according to the following schedule: February graduation - end of November, May graduation - end of February, and October graduation - end of March. Students added to the graduation lists late will be charged accordingly.

Communication Sciences and Disorders Fees

M.Sc.(Applied) program, lab materials	$50
M.Sc.(Applied) ID badge (1st year)	$25

Dentistry - Purchases of Equipment and Materials Fee

In addition to the fees shown on the list of fees for Dentistry, certain items of equipment and supplies are purchased by each student through the Faculty of Dentistry. The fee also includes an amount for general supplies in the laboratories and clinics.

The estimated cost of these purchases is as follows:

Second Year	$17,000
Third Year	$7,000
Fourth Year	$2,000

Dentistry and Medicine – Microscopes

In order to ensure that each student is adequately equipped for the microscopic work in histology, microbiology and pathology, a binocular microscope is provided for all students in first and second year. A rental fee sufficient to cover maintenance and repairs is charged.

Nursing Fees

Books, Uniform, Stethoscope, etc.	$2,000
Graduate Pins (3rd year)	$50 to $160
Nursing Explorations – 3 years	$55 to $75 per year

Physical and Occupational Therapy Fees

Books and Other Equipment	$1,000
Uniforms (Physical Therapy only)	$100
Laboratory Materials	$75

5.7 Billings and Due Dates

5.7.1 Confirmation of Acceptance Deposit

Students admitted to the University will be required to confirm their acceptance of the offer of admission on www.mcgill.ca/minerva/applicants and pay the required deposit by credit card (Visa or Mastercard) at that time.

5.7.2 Invoicing of Fees

Students may request that their fee invoice be sent to a Student Billing Address by updating their personal information on Minerva. Otherwise invoices will be sent to the current Mailing address. **Interest will not be cancelled due to non-receipt of fee invoices.**

Students should access the Student Accounts website at www.mcgill.ca/student-accounts for information on current due dates.

For most returning students who register during the regular registration period, an invoice will be mailed in early August, due on August 30th.

New students who register during the month of August will receive their invoice in early September, due on September29th.

All students returning to the University for the Winter term must pay their fees by January 3, 2005.

New students starting in the Winter term will receive their invoice in early January, due on January 28th.

Late Payment Fees: Students who still have an outstanding balance greater than $100 on their account as of October 29th (February 28th for the Winter term) will be charged a late payment fee of $25 over and above interest.

5.8 Fees and Withdrawal from the University

All students who have accessed Minerva to register must officially withdraw in accordance with section 3.2 “Change of Course and Withdrawal Policy” if they decide not to attend the Term(s) for which they have registered. **Otherwise they will be liable for all applicable tuition and other fees.**

Students who have accessed Minerva and who drop their last course from September 1st through to the withdrawal period with full refund, will be deemed to have withdrawn from the University. They will be automatically charged a minimum charge of $100 (ortheir deposit fee if newly admitted) to cover administrative costs of registration.

Students who discontinue their classes without taking steps to drop their courses will be liable for all applicable tuition and other fees.

5.8.1 Fee Refund Deadlines

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

Fall Term – up to and including September 19:
Returning students – 100%* refund (Less minimum charge of $100 in the case of complete withdrawal.)
New students – 100%* refund (Less registration deposit.)

Fall Term – after September 19: No refund.

Winter Term – up to and including January 23:
Returning students – 100%* refund (Less minimum charge of $100 in the case of complete withdrawal.)
New students – 100%* refund (Less registration deposit.)

Winter Term – after January 23: No refund.

* Including tuition fees, society and other fees, student services, registration and transcripts charges, and information technology charge.

5.9 Other Policies Related to Fees

5.9.1 Impact of Non-Payment

The University shall have no obligation to issue any transcript of record, award any diploma or re-register a student in case of non-payment of tuition fees, library fees, student housing fees or loans on their due date. Access to Minerva for registration functions will be denied until these debts are paid in full or arrangements made to settle the debt.

Students who register in a given term who have amounts owing from previous terms must make payment arrangements with either the Student Aid Office or the Student Accounts Office prior to the end of the course add/drop period. Failure to do so will lead to the current term's registration being cancelled.

5.9.2 Acceptance of Fees vs. Academic Standing

Acceptance of fees by the University in no way guarantees that students will receive academic permission to pursue their studies. If it is subsequently determined that the academic standing does not permit the student to continue, all fees paid in advance will be refunded on application to the Student Accounts Office.

5.9.3 Fees for Students in Two Programs

Students in two programs normally are billed additional fees for their second program. Depending on the level of the two programs eg., one program at the undergraduate vs. one program at the graduate level, students may incur both society and faculty fees and/or additional tuition fees. Consult the student accounts website for further details.

Student in two programs may consult the Admissions, Recruitment and Registrar's Office for information on tuition fees. Adjustments to bills will be made throughout the term when fees cannot be automatically calculated.

5.10 Deferred Fee Payment

5.10.1 Students with Sponsors

Students whose fees will be paid by an outside agency such as the Department of Veterans Affairs, CIDA, a foreign government, or their University department (i.e., teaching assistants or demonstrators), must have written evidence to that effect. Students in any of the above categories should go to the Student Accounts Office with the appropriate documentation.

When a third party has agreed to pay fees on behalf of a student, payment will be recorded on the fee account thereby reducing the balance the student must pay. The University reserves the right to insist upon payment. If the third party does not pay the promised fees within 90 days of invoicing, the student will be responsible for paying the fees plus the late payment fee and accrued interest.

5.10.2 Students receiving McGill Scholarships/Awards

Fall Term: McGill scholarships or awards are normally credited to the recipient's fee account by mid-August. These awards have the effect of reducing the student's outstanding balance.

Winter Term: Students will be able to view upcoming Winter term scholarships or awards on Minerva once processed by the Student Aid Office. These awards are post-dated and will be released to the student's fee account by January 3rd.

5.10.3 Students receiving Government Aid

Students are encouraged to pay their tuition promptly upon receipt of their government assistance. Interest on outstanding tuition is charged monthly beginning in August for returning students and in September for new students. Students who have applied for government assistance for full-time studies by June 30 will be entitled to an exemption of interest and late payment charges effective upon receipt of their aid at the Student Aid Office.

5.11 Yearly Fees and Charges by Faculty

Tuition fees at the undergraduate level are based on the number of credits taken. The tables reflect normal full-time course loads.

Part-time students will be charged tuition fees at the per credit rate and will be subject to student society fees, student services fees, registration and transcripts charges, and information technology charges.

Note: Any changes to fees subsequent to the publication date will be updated as they are confirmed via the Student Accounts website www.mcgill.ca/student-accounts.

5.11.1 Faculty of Dentistry – D.M.D.

Fees / Charges	Year 1 (*64 credits)	Year 2 (*66 credits)	Year 3 (*51 credits)	Year 4 (*34 credits)
Tuition				
Quebec students	3,559.04	3,670.26	2,836.11	1,890.74
Out-of-province students	9,389.44	9,389.44	7,482.21	4,788.14
International students	38,102.40	39,293.10	30,362.85	20,241.90
Society Fees (See Note 1)	406.00	406.00	386.00	386.00
Student Services (See Note 2)	343.00	343.00	343.00	343.00
Registration and Transcripts Charges	318.60	318.60	318.60	214.50
Information Technology Charge	262.35	262.35	262.35	171.30
Copyright Fee	10.50	10.50	10.50	10.50
Class Notes	730.00	0	0	0
Equipment Rental	207.00	320.00	1,000.00	1,000.00
Total Fees –				
Quebec students	$5,836.49	$5,330.71	$5,156.56	$4,016.04
Out-of-province students	$11,666.89	$11,343.31	$9,802.66	$7,113.44
International students	$40,378.16	$40,951.86	$32,681.61	$22,365.51

* Average number of credits taken each year.

Note 1: International student society fees reduced by $67.68 for the student health insurance plan.
Note 2: International Student Services fees increased by $69.

As of May 2004

5.11.2 Faculty of Medicine – M.D.,C.M.

Fees / Charges	Year 1 (*64 credits)	Year 2 (*57 credits)	Year 3 (*48 credits)	Year 4 (*32 credits)
Tuition				
Quebec students	3,559.04	3,169.77	2,669.28	1,779.52
Out-of-province students	9,389.44	8,362.47	7,042.08	4,694.72
International students	23,207.04	20,688.77	17,405.28	11,603.52
Society Fees (See Note 1)	475.00	475.00	475.00	567.50
Student Services (See Note 2)	343.00	343.00	343.00	343.00
Registration and Transcripts Charges	318.60	318.60	318.60	214.50
Information Technology Charge	262.35	262.35	262.35	171.30
Copyright Fee	10.50	10.50	10.50	10.50
Class Notes	850.00	0	0	0
Equipment Rental & Purchase	207.00	0	0	0
Total Fees				
Quebec students	$6,025.49	$4,579.22	$4,078.73	$2,986.32
Out-of-province students	$11,855.89	$9,771.92	$8,451.53	$5,901.52
International students	$25,605.81	$22,010.54	$18,747.05	$12,742.64

* Average number of credits taken each year.

Note 1: International student society fees reduced by $67.68 for the student health insurance plan.
Note 2: International Student Services fees increased by $66.

As of May 2004

5.11.3 School of Dietetics and Human Nutrition – B.Sc.(Nutr.Sc.) (based on 30 credits per year)

Fees / Charges	Quebec Students	Non-Quebec Canadians	International Students
Tuition	1,668.30	4,401.30	12,247.50
Society and Other Fees	321.60	321.60	253.92
Student Services	343.00	343.00	412.00
Registration and Transcripts Charges	212.40	212.40	212.40
Copyright Fee	10.50	10.50	10.50
Information Technology Charge	174.90	174.90	174.90
TOTAL	$2,730.70	$5,463.70	$13,311.22

As of May2004

5.11.4 School of Nursing – B.Sc.(N.) and B.N. (based on 30 credits per year)

Fees / Charges	Quebec Students	Non-Quebec Canadians	International Students
Tuition	1,668.30	4,401.30	12,247.50
Society and Other Fees	368.08	368.08	300.40
Student Services	343.00	343.00	412.00
Registration and Transcripts Charges	212.40	212.40	212.40
Copyright Fee	10.50	10.50	10.50
Information Technology Charge	174.90	174.90	174.90
TOTAL	$2,777.18	$5,510.18	$13,357.70

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5.11.5 School of Physical and Occupational Therapy – B.Sc.(Phys.Ther.), B.Sc.(Occ.Ther.) (based on 30 credits per year)

Fees / Charges	Quebec Students	Non-Quebec Canadians	International Students
Tuition	1,668.30	4,401.30	12,247.50
Society and Other Fees	360.08	360.08	292.40
Student Services	343.00	343.00	412.00
Registration and Transcripts Charges	212.40	212.40	212.00
Copyright Fee	10.50	10.50	10.50
Information Technology Charge	174.90	174.90	174.90
TOTAL	$2,796.18	$5,502.18	$13,349.70

As of May2004

6 Facilities

6.1 Buildings

McIntyre Medical Sciences Building
3655 Promenade Sir-William-Osler, Montreal, QC H3G 1Y6
This 15-storey building, completed in 1965, contains the administrative offices of the Faculty of Medicine and the Health Sciences Library, the Osler Library of the History of Medicine, the Departments of Biochemistry, Social Studies of Medicine, Pharmacology and Therapeutics, Physiology, the Animal Resources Centre and a number of special research units.

Strathcona Anatomy and Dentistry Building
3640 University Street, Montreal, QC H3A 2B2
This building, opened in 1911, houses the administrative offices of the Faculty of Dentistry and the Department of Anatomy and Cell Biology.

Duff Medical Sciences Building
3775 University Street, Montreal, QC H3A 2B4
Opened for use in 1924, the building is situated on the northeast corner of University Street and Pine Avenue. It is occupied by the Biomedical Engineering Unit, the Departments of Microbiology and Immunology, and Pathology and the Sheldon Biotechnology Centre.

Research and Training Building
1033 Pine Avenue West, Montreal, QC H3A 1A1
In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit the establishment of a 50-bed unit, together with extensive research laboratories, and opened in 1944.

In 1946 the first day-hospital in the world was opened at the Institute and in 1953 a 50-bed wing was added. In 1985, another wing, housing in-patient services, psychology and occupational therapy, was added.

The Research and Training Building of the Department of Psychiatry was built by McGill University in 1963, providing an extensive and modern research facility.

McGill Genome Québec Innovation Centre
740 Doctor Penfield Avenue, Montreal, QC H3A 1A4
Completed fall 2002, the six-storey structure was constructed to help meet the critical demand for modern and cross-disciplinary research space. The Centre is shared by five groups : the Montreal Genome Centre, the Montreal Proteomics Centre, the Génome Québec Expertise Centre, The Bone Research Centre and biobusiness incubators.

Lady Meredith House
1110 Pine Avenue West, Montreal, QC H3A 1A3
This building currently houses the Respiratory Epidemiology Unit, Experimental Medicine, and Medical Education.

Charles Meredith House
1130 Pine Avenue West, Montreal, QC H3A 1A3
This elegant building, built for Charles Meredith, houses the offices and teaching rooms of Occupational Health and the Biomedical Mass Spectrometry Unit.

Purvis Hall
1020 Pine Avenue West, Montreal, QC H3A 1A2
Purvis Hall is situated at the corner of Peel and Pine. The Department of Epidemiology and Biostatistics occupies the entire building.

Beatty Hall
1266 Pine Avenue West, Montreal, QC H3A 1A8
Built in 1912, this heritage building was designed by Hogle and Davis architectural firm. In 1946 it was acquired by McGill and currently houses the School of Communication Sciences and Disorders.

Davis House
3654 Promenade Sir-William-Osler, Montreal, QC H3G 1Y5
Built in 1909 for contractor James T. Davis, this heritage building, designed by architects Edward and W.S. Maxwell, houses teaching and research facilities of the School of Physical and Occupational Therapy.

Hosmer House
3630 Promenade Sir-William-Osler, Montreal, QC H3G 1Y5
Built in 1901, for Ogilvie Flour Mill founder Charles Hosmer, this heritage building and its coach house, designed by architect Edward Maxwell, houses teaching and research facilities of the School of Physical and Occupational Therapy.

Hosmer Annex
3541 de la Montagne, Montreal, QC
The School of Physical and Occupational Therapy occupies this building.

Hugessen House
3666 McTavish Street, Montreal, QC H3A 1Y2
The Department of Psychiatry occupies this building.

Wilson Hall
3506 University Street, Montreal, QC H3A 2A7
The School of Nursing shares this main campus building with the School of Social Work.

3647 Peel Street, Montreal, QC H3A 1X1
This building house the Departments of Social Studies of Medicine and Biomedical Ethics.

515 and 517 Pine Street, Montreal, QC H2A 1S4
The Department of Family Medicine occupies these buildings.

MACDONALD CAMPUS
Macdonald-Stewart Building
21,111 Lakeshore Rd., Ste. Anne de Bellevue, QC H9X 3V9
This building, completed in 1978, houses the administrative offices and laboratories for the School of Dietetics and Human and the Faculty of Agricultural and Environmental Sciences.

6.2 Hospitals

MCGILL UNIVERSITY TEACHING HOSPITALS

The teaching hospital network of McGill University is an integral part of the research, teaching, and clinical activities of the Faculty of Medicine. By agreement and tradition, the administration, medical staff, and scientific personnel of these institutions are closely integrated with McGill University and form the basis for the clinical departments of the Faculty of Medicine:

McGill University Health Centre (MUHC) / Centre Hospitalier Universitaire

The MUHC is a new institution created by the merger and integration of four of the teaching hospitals of the Faculty of Medicine. The MUHC is one of the five Centres Hospitaliers Universitaires recognized by the Ministry of Health of the Province of Quebec and is the primary site for the teaching programs of the University. The

activities of the MUHC are carried out at the following four locations:

The Royal Victoria Hospital is situated on 35 acres of land bordered by Pine Avenue and University Street. Its complex of seven pavilions houses a bed complement of 584. The hospital has annual in-patient admissions of over 18,000 and ambulatory services visits (out-patients, emergency day surgery and day care, etc.) of over 350,000. It provides teaching programs for medical students as well as students of the other health professions.

The Royal Victoria Hospital opened in 1894. Over the years it has expanded its physical complex to accommodate its clinical, teaching and research activities. The Allan Memorial Institute became the hospital's Department of Psychiatry in the 1940s. The hospital established a Research Institute in 1981 in order to coordinate what is one of the largest hospital-based research programs in the country.

In 1994, the Montreal Chest Hospital Centre, a 94-bed institution specializing in the treatment of respiratory diseases, integrated with the Royal Victoria, becoming the Montreal Chest Institute of the Royal Victoria Hospital.

The Montreal General Hospital has 406 licensed beds. In a typical year, there are approximately 11,000 admissions and 315,000 consultations in the Emergency and Out-patient Departments. The Montreal General was founded in 1821 and its record in clinical teaching is one of the longest in North America. Students were first received in 1823, in what was the first medical school in Canada. This school agreed to form the Faculty of Medicine in 1829.

The present hospital building was opened in 1955. In addition, a research centre was opened on hospital grounds in 1973, and now has 100,000 square feet of space.

The Montreal Children's Hospital, located on Tupper Street, near the Atwater Metro Station, has 180 beds and, in a typical year, admits approximately 8,000 patients. The Ambulatory Services have over 180,000 visits, 70,000 of which are through the Emergency Room and over 100,000 in the clinics. The hospital has a provincial mandate for several tertiary care programs including newborn intensive care and surgery, major pediatric trauma, extra-corporeal membrane oxygenation, and organ transplantation, among others. The hospital also provides pediatric and technical services to Baffin Island.

An active teaching program is maintained for the medical students and for residents and fellows. There are also teaching programs for nursing students and other health professionals. The McGill University-Montreal Children's Hospital Research Institute pursues research and postgraduate education in many areas, all related in some way to diseases and problems encountered in the period of life from the fetus through adolescence.

The Montreal Neurological Institute and Hospital are housed in an eight-story building, adjacent to the Pathology Building and the Royal Victoria Hospital. The Institute opened in 1934 and as the cornerstone states is “Dedicated to relief of sickness and pain and to the study of Neurology”. The McConnell Wing was opened in 1953, doubling both the clinical and laboratory space. A nine-story addition, the Penfield Pavilion, was opened in 1978. The Webster Pavilion, completed in 1984, centralizes brain imaging resources, provides laboratory spaces, and includes a 350-seat amphitheatre.

Sir Mortimer B. Davis – Jewish General Hospital
3755 Côte Ste-Catherine, Montreal, QC H3T 1E2
The Sir Mortimer B. Davis – Jewish General Hospital has 637 beds and admits approximately 21,700 patients per year. The hospital has earned a reputation for excellence in many specialities: the Department of Oncology has an active clinical research program which includes Experimental Pharmacology; the Department of Family Medicine is recognized for the quality of its training program; the Geriatrics Division includes a Memory Clinic which studies and cares for Alzheimer's patients; the Obstetrics service oversees approximately 3,500 births per year and is designated as a provincial high risk referral centre; the Neonatology service has set international records for high survival rates, with good quality of life, of low birthweight infants. The hospital has a comprehensive Cardiology service and Cardiac Surgery program. The Emergency Department, one of the busiest in Montreal, has an extensive teaching and research program. The Institute of Community and Family Psychiatry offers a wide range of outpatient services for adults, adolescents and families, as well as a broadly based research program in the psychosocial aspects of illness. Basic research in many fields is carried out in the hospital's Lady Davis Institute for Medical Research. This includes the McGill AIDS Centre, the Bloomfield Centre for Research on Aging, the Molecular Oncology Research Group, and research programs in genetics, perinatology, cardiac and pulmonary disease, and endocrinology. The Jewish General Hospital Centre for Epidemiology and Community Studies is essential to the hospital's clinical research program. Teaching residents and medical and nursing students is a priority for the hospital's large geographic full-time staff.

St. Mary's Hospital Centre
3830 Lacombe Avenue, Montreal, QC H3T 1M5
St. Mary’s is an acute care specialized hospital with 316 adult beds and 65 bassinets. About 3,600 babies are delivered annually at the Hospital. There is a progressive and active Family Medicine Centre recognized for its teaching. The Emergency Department is very busy and supervised by a staff physician 24 hours per day. The Hospital also provides numerous highly specialized services such as renal dialysis, oncology, organized geriatric and psycho-geriatric, nuclear medicine and C.T. scanning services. There are approximately 49,000 out-patient clinic visits, 5,000 procedures through the surgical day center, and over 15,000 patient admissions and 119,00 ambulatory care visits annually. The Hospital is noted for its devotion to patients, motivation to the achievement of excellence, and good spirit and relationships among all staff.

SPECIALTY TEACHING HOSPITAL

Douglas Hospital
6875 LaSalle Boulevard, Verdun, QC H4H1R3
The Douglas Hospital is a McGill-affiliated teaching and research centre for the specialized care of mental illness. The only English psychiatric hospital in the province of Quebec, it is part of an integrated network in cooperation with various departments of psychiatry of general hospitals. Short and long term hospitalization in addition to out-patient services are offered in specialized and ultraspecialized settings to children and persons of all ages. There are 288 beds. Patients, who are treated in the least restrictive manner possible, are offered a vast gamut of services. Services are organized in five programs: the Community Psychiatric Centre, the Child and Adolescent Services, the Specialized Treatment and Rehabilitation Program, the Psychogeriatric Program, and the Newman Rehabilitation Centre. The Hospital offers training to residents in psychiatry, medical and paramedical students in many disciplines. It is a member of the World Federation for Mental Health and the World Association for Psychosocial Rehabilitation, and was designated as the Montreal World Health Organization Collaborating Centre for Training and Research in Mental Health in 1982. The Hospital's Research Centre is a world renowned facility contributing to biopsychosocial as well as clinical research and offering training to researchers from around the world.

HOSPITALS AFFILIATED WITH MCGILL UNIVERSITY

The following hospitals have been approved by, and have contracted with, McGill University for participation in teaching and research in one or more departments and services:

Centre Hospitalier de Vallées de l’Outaouais
Gatineau, and Hull, QC

Jewish Rehabilitation Hospital
3205 Place Alton Goldbloom, Laval, QC H7V 1R2

LaSalle General Hospital
8585 Terrasse Champlain, LaSalle, QC H8P 1C1

Maimonides Hospital Geriatric Centre
5795 Ave. Caldwell, Montreal, QC H4W 1W3

Shriners Hospital For Crippled Children
1529 Cedar Avenue, Montreal, QC H3G1A6

6.3 Clinical Facilities for Dentistry

The McGill University McCall Dental Clinic is located in the Montreal General Hospital.

At the Clinic, Third and Fourth year students in the undergraduate program are taught under the guidance of the dental staff to carry out all phases of clinical dentistry and related laboratory procedures. They attend this clinic daily except for such time as may be taken up by lectures or other University work.

The Montreal General Hospital offers the facilities of all departments in the hospital and allows the students to observe a wide variety of interesting and unusual cases under treatment.

6.4 Clinical Facilities for Human Nutrition

The Mary Emily Clinical Nutritional Research Unit is located on 7Maple in Sainte-Anne-de-Bellevue.

The Unit was developed with the objective to create a facility dedicated to inpatient human nutrition experimentation using precisely controlled diets. The Unit is housed in a detached 5,000 sq. ft. building located at the perimeter of the Macdonald Campus with easy access to the community at large. This Unit is capable of supporting 12 research subjects on an inpatient basis. The facility is unique in Canada, in that it allows strict, in-house monitoring and testing of research subjects over prolonged periods while they consume diets prepared in-house. The upper two levels of the facility contain dormitory and living areas, the latter include weight room, studying and leisure areas. On the lower main level are kitchen, dining and clinical testing areas. A community interface office and sensory evaluation laboratory are also under development. The Unit is a self-supporting initiative which is available for use by external researchers. For further information regarding collaborative or independent extramural research interests, contact the Director of the School of Dietetics and Human Nutrition.

6.5 Research Centres

Artificial Cells and Organs Research Centre
3655 Promenade Sir-William-Osler, Montreal, QC H3G 1Y6
Web site: www.artcell.mcgill.ca/
Fax: (514) 398-4983

This Centre concentrates on interdisciplinary research on the application of artificial cells in medicine and biotechnology. The present research emphasis is on artificial cells, enzyme replacement therapy, biotechnology, modified hemoglobin and encapsulated hemoglobin as red blood cell substitutes in transfusion and other applications, biomaterials, artificial kidney: tissue engineering, enzyme engineering, artificial liver, control drug delivery systems, bioencapsulation of enzymes, cells, microorganisms, and organelles. The members of this Centre come from different specialties in McGill ranging from the basic science Departments of Physiology, Chemistry, Chemical Engineering and Biomedical Engineering to clinical divisions in the McGill teaching hospitals. The Centre Office is in the McIntyre Medical Sciences Building.

Biomedical Ethics Unit
3647 Peel Street, Montreal, QC H3A 1X1
Telephone: (514) 398-6980
Fax: (514) 398-8349

One of the responsibilities of this Unit, established in the Faculty of Medicine in June 1996, is that of providing and coordinating undergraduate and graduate teaching in bioethics and health law. This includes courses and electives for medical students; in-hospital courses, lectures and rounds for residents and those in allied health disciplines; participation in faculty development workshops and conferences. This Unit also administers the Bioethics Master's Program, and provides the core bioethics courses and supervision of theses, in collaboration with the Faculties of Medicine, Law, and Religious Studies, and the Department of Philosophy. Master's students from all those disciplines are eligible for this Master's Degree with a specialization in bioethics. It is an interdisciplinary academic program that emphasizes both the conceptual and the practical aspects of bioethics and ordinarily takes two years to complete. The Unit provides and coordinates clinical ethics services for the McGill teaching and affiliated hospitals. This service includes the provision of in-hospital clinical ethicists from the Unit who provide ethics consults as well as chair or co-chair the Clinical Ethics Committees and serve on the Research Ethics Committees. Members of the Unit are active in a variety of interdisciplinary research areas from the perspectives of bioethics and health law. Current areas of research include clinical trials, genetics, ethics-law interaction, psychiatric ethics, ethics and culture. The Unit has seminars open to McGill faculty and students and the public on a variety of contemporary bioethics issues. Unit members and research associates actively collaborate with members of various McGill faculties and units as well as nationally and internationally in research, teaching and clinical activities. There are currently five academic members located on a full-time basis in the Unit offices, representing the disciplines of philosophy, religious studies, medicine and law. The current director of the Unit is Edward W. Keyserlingk, LL.M., Ph.D. E-mail: keyser_e@falaw.lan.mcgill.ca

Centre for Bone and Periodontal Research
740, Dr Penfield Avenue, 2nd floor
Montreal, Quebec H3A 1A4 Canada
Tel: (514) 843-1632
Fax: (514) 843-1712
Web site: www.bonecentre.ca

The Centre for Bone and Periodontal Research was established in October 2001 to promote and facilitate research and training in the areas of bone, cartilage and periodontal disease. The Bone Centre currently represents the interests of almost 50 clinical and fundamental scientists across Canada, many of whom are recognized leaders in research pertaining to disorders such as arthritis, osteoporosis, metastatic and metabolic bone disease and developmental disorders of the skeleton and oral cavity.

The Bone Centre is managed and operated under the guidance of 13 investigators from McGill, Universite de Montreal and Ecole Polytechnique, who form the Research & Development Committee.

The Centre provides advanced instrumentation for hard tissue research, acts to increase the research capacity of its members and to translate advances into improved diagnosis, prevention and treatment of diseases involving the skeleton and oral cavity.

Centre for the Study of Host Resistance
Montreal General Hospital, 1650 Cedar Avenue, Room A6149, Montreal, QC H3G 1A4

The Centre brings together the major disciplines responsible for carrying out research in the field of Host Resistance. The mechanisms underlying both genetically-determined and acquired resistance to environmental stimuli which represent a threat to the host integrity and which can lead to the development of a broad range of abnormalities are studied. Rational approaches towards the identification of susceptible individuals and the prevention and correction of their genetically-determined or acquired defects are explored. Centre faculty specialize in research and in providing graduate and postgraduate training in the following fields: Genetic Epidemiology, Genomics, Molecular Immunology and Cell Biology, and Immunoparasitology. The efforts of the Centre have been recognized in the National Centres of Excellence, in which the Centre is a principal domain in the Network entitled: "Genetic Basis for Human Disease".

Centre for Translational Research in Cancer
Sir Mortimer B. Davis – Jewish General Hospital
3755 Côte Ste-Catherine, Room D127, Montreal, QC H3T 1E2

The aim of the Centre is to facilitate the translation of the exciting novel findings made in fundamental laboratories into testable hypotheses for evaluation in clinical trials in oncology. There are currently extremely high quality clinical research activities at McGill, and the fundamental investigations of cancer biology by McGill scientists are recognized worldwide. The Centre provides the infrastructure to bring these investigators together in order to synergize their efforts at generating novel and promising translational research. This provides a structured focus for these activities and will accelerate the testing of potential benefits derived from scientific discovery.

The Centre provides core functions to enhance translational research, including a Tissue Bank, Clinical Research Unit, and a Molecular Modeling Program. The unique interaction of clinician-scientists and Ph.D. researchers provides an important strength to novel therapeutic development programs. There is significant interaction with biotechnology and the pharmaceutical industry.

The Centre provides a high quality environment for training clinician-scientists in cancer research. The trainees include both graduate students (Experimental Medicine, Pharmacology and Therapeutics, Pathology) as well as Ph.D. and M.D. scientists interested in postdoctoral experience in working specifically on clinically oriented or relevant models or problems.

Centre for Research on Language, Mind and Brain

1266, Pine Avenue West
Montreal, QC H3G 1A8
Web site: www.crlmb.mcgill.ca
The multidisciplinary Centre for Research on Language, Mind and Brain brings together investigators from four faculties at McGill with the goal of advancing our understanding of the processes of speech and language that extends from the theoretical (e.g., theories of language structure, neural processing) to the applied (e.g., bilingual and second language learning, clinical intervention for speech and language disorders). Research domains include speech science modeling and analysis, the neural bases of language, language acquisition, and visual language processing, among others. The Centre provides training for undergraduate and graduate students., as well as postdoctoral fellows, and is involved in the development of new interdisciplinary graduate programs.

McGill AIDS Centre
Lady Davis Institute, Jewish General Hospital,
3755 Cote St. Catherine, Room 318, Montreal, QC H3T 1E2

The McGill AIDS Centre coordinates, facilitates and promotes teaching, research and treatment activities, relating to HIV infection and AIDS, at McGill University and its affiliated teaching hospitals. McGill University has been among the foremost institutions in Canada to study and treat HIV infection and AIDS. McGill scientists, researchers, and clinicians have carried out work in every area of this health problem. The Centre firmly believes that the study and treatment of HIV infection and AIDS must be interdisciplinary, and thus the fields of medical science and social science must complement each other. The Centre enhances this work by helping researchers, scientists and clinicians at McGill to carry out the complex research that is needed to understand, prevent and treat HIV infection. Educational and training activities will be augmented to ensure there is sufficient manpower for the growing HIV epidemic. The care and treatment of persons who are infected with HIV or who have developed AIDS will be enhanced through coordination of these activities at McGill hospitals and clinics. Further the Centre will provide a forum for the input and participation by people with HIV infection or with AIDS in this research, teaching, and care.

McGill Cancer Centre
3655 Promenade Sir-William-Osler, Room 701,
Montreal, QC H3G 1Y6

The purpose of the McGill Cancer Centre is to carry out basic research on the cancer problem which, along with knowledge of the latest developments worldwide in the cancer field, can in some cases be used to develop clinical trials involving rational, novel approaches leading to improved diagnosis and treatment. Research projects include the molecular biology and molecular genetics of cancer-related cell surface alterations, the cell biology and molecular genetics of cellular differentiation and its aberration in malignancy, and the molecular biology of the initiation of DNA replication in normal and malignant cells. Associate members involved in both basic and clinical cancer research interact regularly with a core of investigators housed in the Centre itself. The Centre office is in the McIntyre Medical Sciences Building.

McGill Centre for Studies in Aging
Douglas Hospital, 6825 LaSalle Boulevard,
Verdun, QC H4H 1R3

The specific goals of the Centre are: i) to bring together investigators in the basic sciences, the clinical sciences, the social sciences, and other disciplines, to create a greater knowledge base for understanding of the aging process; ii) to serve as a focus for education and training of those individuals concerned with the elderly; iii) to transfer the newly created knowledge to those institutions and organizations actually giving service and care to the aged; and iv) to identify those parts of the aging process which are preventable or capable of being modified, to assist the individual aged person in coping with the problems of being elderly and ultimately, through those processes, to benefit mankind.

McGill Nutrition and Food Science Centre
Royal Victoria Hospital, 687 Pine Avenue West,
Montreal, QC H3A 1A1

Established in 1982 in recognition of the increasing importance of nutrition in clinical medicine, the Centre has a four-fold function. The first is the development and integration of research at the basic and clinical level, involving investigators at the Crabtree Laboratory of the Centre at the Royal Victoria Hospital, and at other locations in the University, and to encourage existing faculty to interact in nutrition-related investigations. The second function is the provision of opportunities for graduates in medicine, nutrition and other disciplines to do graduate and postdoctoral research in the laboratories of full-time and associate members. The third is to provide contemporary nutrition teaching at the relevant levels of the medical curriculum, during residency training and thereafter. The Centre is committed to providing reliable information to the public on nutrition-related matters. Finally, nutrition consulting activities in the clinical setting are supported and further developed. The Centre is administratively related to the Faculties of Medicine and the School of Dietetics and Human Nutrition.

Centre for Medical Education
Lady Meredith House, 1110, Pine Avenue West
Montreal, Quebec, H3A 1A3

The Centre for Medical Education was established to:

- promote and strengthen research and scholarly activity in medical education and ensure that research informs practice;
- develop expertise and educational programs in specific content areas related to medical education;
- and to respond to specific curricular needs and assist in the development and evaluation of core curricula and innovative educational methods in the Faculty of Medicine.

Centre for Research on Pain
Stathcona Anatomy and Dentistry Building
3640, University Street, Montreal, Quebec, H3A 2B2

Pain research at McGill University is carried out by the McGill Centre for Research on Pain, which comprises researchers from the Faculties of Medicine, Dentistry and Science. The main goal of the Centre is to bring together the McGill community of basic and clinical pain researchers to promote research that will result in cures for chronic pain. Through its own activities and international collaborations, the Centre focuses on new discoveries and their clinical

applications that will improve the prevention and treatment of chronic pain.

6.6 Libraries

All of the McGill University libraries are available to health sciences users but three of them are likely to be of particular interest. These are the Health Sciences Library and the Osler Library of the History of Medicine, both situated in the McIntyre Medical Sciences Building and the Macdonald Campus Library – which is a primary resource for Dietetics and Human Nutrition users.

Health Sciences Library

The Health Sciences Library was founded in 1823, making it the oldest health sciences library in Canada. The library contains about 285,000 volumes and it receives about 1000 current print journal titles. In addition to print, the library licenses access to a variety of electronic resources, including over 3,500 journals. Access to licensed electronic resources is available to all McGill faculty, staff and students.

The library is a major resource for teaching, research and clinical care in communication sciences and disorders, dentistry, medicine and physical and occupational therapy. The library is noted for its strong retrospective collection of books and journals. Information on the library collections and services can be found at www.health.library.mcgill.ca.

The library is open to all who need to use its collections. Borrowing privileges are extended to all McGill faculty, staff and students. The library's hours vary throughout the year and are available on the Web site noted above or by telephoning (514) 398-4475. It should be noted that only holders of valid McGill ID cards can access the library during weekend or evening hours.

Osler Library of the History of Medicine

The Osler Library of the History of Medicine, which opened in 1929, is physically and intellectually connected to the Health Sciences Library. The library has as its nucleus the 8,000 volumes willed to McGill University in 1919 by Sir William Osler (one of its most famous pupils and teachers). The collection now totals over 55,000 volumes as Sir William's original gift has been augmented by transfers from the Health Sciences Library, by other gifts and bequests and by an active purchasing program. The library is supported by a Friends group, publishes a Newsletter, available at the Web site noted above and offers an annual research travel grant.

The Osler Library is open to all who wish to consult its collections and current material is available for loan. Borrowing privileges are extended to all McGill faculty, staff and students. The library is open only on weekdays from 9:00 to 5:00 and in July and August is also closed on Fridays.

6.7 Computing Facilities

6.7.1 IST Customer Services (ICS)

McGill ICS provides technical support for the following student services: E-mail, Dialup Access Service (DAS), Virtual Private Network (VPN), REZ Voice and Data Service (post-installation), Wireless Network and WebCT.
They may be reached on-line via the Virtual Help Desk at www.mcgill.ca/ics/vhd or by phone at (514) 398-3398, or in person at Burnside Hall in room 112.

6.7.2 Network and Communications Services (NCS)

McGill NCS provides data services including access to Local Area Networks (LANs), the Internet, e-mail, McGill central systems, and the McGill University Website - all from virtually anywhere on campus (wired or wireless) and remotely. They also provide voice service (with long distance and voice mail) to students in McGill Residences. The Website at www.mcgill.ca/ncs lists products and services offered by McGill NCS.

6.7.3 WebCT

WebCT is McGill's on-line course management system.

WebCT is used in a large number of McGill courses. Currently most of them are taught in a hybrid fashion with WebCT serving as a component within a traditional class structure. As an on-line environment, WebCT provides key tools for extending the educational experience. Students can access content in various forms, post assignments, take quizzes and participate in on-line discussions.

The WebCT Student Resources Website at www.mcgill.ca/webct/students provides an overview of WebCT tools, task-oriented how-tos and general advice for student success with educational technology. Help is available on-line via the Virtual Help Desk at www.mcgill.ca/ics/vhd and by phone at (514) 398-3398.

6.7.4 Computer Labs

The computer labs are provided by many faculties and departments for students in their programs. A list of these can be found on the Web via the McGill Gateway at www.mcgill.ca/index/computer. Check the unit listings or contact the unit directly for information concerning facilities and accessibility.

6.7.5 Instructional Communications Centre

The Instructional Communications Centre (ICC) provides services related to the use of technology in teaching. It is McGill's central facility for the loan of audiovisual equipment and support for video production.

The ICC Audiovisual Arrangements Section located in the lobby of the Redpath Library and the ICC office at the Macdonald Campus house a full range of audio, video, computer, and projection equipment available for loan to McGill students. Equipment is provided free of charge for credit course activities. Training in equipment use is available and advance reservations are highly recommended. Further details are available on the ICC Website www.mcgill.ca/icc/equipment/loan.

The ICC also maintains two video editing suites available for staff and students who wish to produce their own programs. These suites are self-instructional, and sessions should be reserved in advance. For more information or to reserve a session, please contact the ICC Main Office, 688 Sherbrooke St. W., Suite 1600, (514) 398-7200.

7 Student Services

7.1 Office of the Dean of Students

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

Telephone:
General Information: (514) 398-8238 or 398-3825
Dean/Associate Dean: (514) 398-4990
Fax: (514) 398-3857

The Dean and the Associate Dean of Students coordinate all student services at McGill and are available to provide assistance and/or information on almost all aspects of non-academic student life. Concerns of an academic nature will be directed to the proper individual, office or department.

7.2 Student Services – Downtown Campus

Unless otherwide indicated, on the Downtown Campus all student services offered by the Office of the Dean of Students are located in the William and Mary Brown Student Services Building, 3600McTavish Street, Montreal, Quebec H3A 1Y2.

A list of services available is given below. For further information refer to the Student Services Web site www.mcgill.ca/stuserv or the address indicated.

Athletics: offers programs in recreational, intercollegiate, instructional, intramural and sports clubs.

Athletics Complex, 475 Pine Avenue West (514) 398-7000
E-mail: athletics@mcgill.ca
Web site: www.athletics.mcgill.ca

Career and Placement Service (CAPS): provides a range of services to McGill students, and recent graduates, in the field of student and graduate employment.

Brown Building, Suite 2200 (514) 398-3304
E-mail: careers.caps@mcgill.ca
Web site: www.caps.mcgill.ca

Chaplaincy Service: concerned with the spiritual and mental well-being of all students.

Brown Building, Suite 4400 (514) 398-4104
E-mail: chaplaincy@mcgill.ca

Counselling Service: assistance for personal, social, and emotional problems as well as vocational and academic concerns.

Brown Building, Suite 4200 (514) 398-3601
E-mail: counselling.service@mcgill.ca

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

3505 Peel Street (514) 398-3217
E-mail: firstpeopleshouse@mcgill.ca

First-Year Office: helps ease the transition of all students new to McGill. Coordinates "Discover McGill", a one-day, campus-wide University and Faculty Orientation.

Brown Building, Suite 2100 (514) 398-6913
E-mail: firstyear@mcgill.ca

Health Services: provides access to experienced physicans, nurses and health educators who offer health services and information in a confidential atmosphere. Also operates a laboratory offering a wide array of testing, and a dental clinic.

Brown Building, Suite 3300 (514) 398-6017

International Student Services: offers support to international students with non-academic matters (immigration, health insurance, etc.), runs a Buddy Program and an orientation program.

Brown Building, Suite 3215 (514) 398-4349
E-mail: international.students@mcgill.ca

Mental Health Services: a psychiatric clinic which offers easily accessible treatment for mental health problems.

Brown Building, Suite 5500 (514) 398-6019

(A mechanism for assisting students with personal/academic problems has also been established within the Faculty of Dentistry and the Faculty of Medicine.)

Student (Financial) Aid Office: provides assistance in the form of loans, bursaries and work study programs to students requiring financial aid.

Brown Building, Suite 3200 (514) 398-6013 /6014 /6015
E-mail: student.aid@mcgill.ca

Student Housing (Off-Campus):
maintains computerized lists of available off-campus student housing.

Student Housing Office, 3641 University Street (514) 398-6010
E-mail: offcampus.housing@mcgill.ca
Web site: www.mcgill.ca/offcampus

Residences: offers accommodation for approximately 2300 students.

Student Housing Office (514) 398-6368
Web site: www.mcgill.ca/residences
A new building, had been added to McGill's residence facilities just as this publication went to press. Formerly a hotel, the building will house over 600 students just a few blocks from the downtown campus. For details, see the Residences' Web site.

McGill has four co-educational residences (Douglas, Gardner, McConnell and Molson Halls) and one women's residence (Royal Victoria College) for undergraduate students, which are located on, or in the immediate vicinity of, the downtown campus.The rates for the regular session (September 1 to April 30) in 2001-02 were $7,186 for single room and all meals (RVC only), and for room and five-day meal plan $6,426 (Douglas Hall only), $5,890 (Gardner, McConnell and Molson Halls). Residents are not accepted on a room-only basis. Fees for a limited number of double rooms (in above mentioned halls) were approximately $300 less than those quoted above.

Solin Hall, an apartment-style residence located at 3510 avenue Lionel-Groulx, a five-minute metro ride from the University, also houses undergraduate students. The rooms in Solin Hall are leased on a 11½ month basis (August28 to August11). The rates for a regular single room in 2000-01 were $5,161.

McGill Residences also administers the M.O.R.E. (McGill's Off-Campus Residence Experience) network. M.O.R.E. includes two large buildings and 13 smaller buildings and houses located within walking distance of main campus. The accommodations (mostly single) vary from building to building and include private, self-contained studio apartments as well as shared facilities whereby each student has her/his own bedroom but shares a common kitchen, washroom and living areas. All rooms and apartments are fully furnished and rent for a period of 11½ months (August 28 to August 11). Rents range from $340 to $550 per month and although there is no mandatory meal plan, meal tickets may be purchased for use in any of the Residences cafeterias.

More information can be found on the Web at www.residences.mcgill.ca. To contact the Residence Admissions Office, e-mail: housing@residences. lan.mcgill.ca or telephone (514) 398-6368, fax: (514) 398-2305. The mailing address is 3641 University Street, Montreal, QC H3A2B3.

Office for Students with Disabilities: coordinates services to meet the special needs of students with disabilities.

Brown Building, Suite 3100 (514) 398-6009
E-mail: disabilities.students@mcgill.ca TDD: (514) 398-8198
Web site: www.mcgill.ca/stuserv/osd/osd.htm

Tutorial Service: sponsors an extensive tutorial program for students.

Brown Building, Suite 4200 (514) 398-6011
E-mail: tutorial.service@mcgill.ca

7.3 Student Services – Macdonald Campus

While students who study on Macdonald Campus may make full use of all Student Services available at McGill, the Office of the Dean of Students, in cooperation with the Faculty of Agricultural and Environmental Sciences, offers students direct access to the services listed below.

Further information can be found on the Web at www.mcgill.ca/macdonald/resources/studentservices and the Student Services Web site www.mcgill.ca/stuserv.

Unless otherwise indicated, Macdonald Campus services are located in the Centennial Centre, Room CC 1-124,
21,111 Lakeshore Road.
Telephone: (514) 398-7992 Fax: (514) 398-7610

Counselling Services: a professional counsellor is available twice a week offering counselling for personal, social and emotional concerns as well as for academic and vocational concerns. Appointments are required.

Health Service: a referral service is available Monday through Friday. A nurse/health educator is on Campus three times a week and a physician may be seen by appointment on specified dates. Telephone: (514) 398-7565.

Off-Campus Housing: the Macdonald Campus service is available from June 1 to August 31 each year.
Telephone: (514) 398-7992

Student (Financial) Aid Office: Information about government loans, McGill loans and bursaries, and the Work Study Program can be obtained at the Centre. During the academic year (September to April) a counsellor visits the campus twice monthly to help students with financial problems.

Career and Placement Service (CAPS): this service brings together potential employers and students seeking permanent, summer and part-time career-related work.
Telephone: (514) 398-7582

Athletics: facilities available to Macdonald students are a gymnasium, pool, weight room, an indoor arena, tennis courts, lit playing fields and large expanses of green space. Instructional, recreational, intramural and intercollegiate activities are available.

Stewart Athletic Complex (514) 398-7789
Web site: www.agrenv.mcgill.ca/society/athletic

Residence Facilities – Macdonald

For more than 90 years, residence life has been an integral part of Macdonald Campus activities. Laird Hall, with a capacity of more than 210 students, is arranged on a co-educational basis and provides accommodation for undergraduate, graduate and Farm Management Technology students. Residents enjoy comfortable rooms, modern kitchens, cosy lounge facilities, and other amenities that help make their residence life a complete and meaningful part of their university experience.

The EcoResidence, Canada's first ecologically-friendly student residence and recent winner of the prix d'excellence from l'Ordre des architectes du Québec, accommodates 100 students. The EcoResidence is a unique initiative that recycled two buildings and incorporated the newest ecological construction technology. This type of accommodation will appeal to students who enjoy independent living in self-contained apartments of two or six single bedroom units. Each unit is built on a split-level concept with large, airy common living areas and fully equipped kitchens.

Applications for residence and inquiries concerning the residences should be addressed to:

Campus Housing Office,
P.O.Box 192,
Macdonald Campus of McGill University
Sainte-Anne-de-Bellevue, QC H9X3V9

Telephone: (514) 398-7716 Fax: 514-398-7953
E-mail: residences@macdonald.mcgill.ca
Web site: www.mcgill.ca/macdonald/resources/residences

7.4 Additional Services for Students

Bookstore
The McGill University Bookstore stocks new and used textbooks, a full range of books for the academic and professional community, supplies, and McGill insignia items.

3420 McTavish Street Telephone: (514) 398-7444
Web site: www.mcgill.ca/bookstore

On Macdonald Campus the Bookstore is located in the Centennial Centre, telephone: (514) 398-8300.

Computer Store
The McGill Computer Store, located on the second floor of the University Bookstore, sells a full range of PC, Macintosh and Unix hardware and software at educational prices. The MCS is authorized to process the Quebec Student Microcomputer Loan for eligible students. (Applications are available from the Student Aid Office in the Brown Student Services Building, or call (514) 398-6013 for more information.)

3420 McTavish Street Telephone: (514) 398-5025
Web site: www.mcgill.ca/mcs sales.mcs@mcgill.ca

Day Care
The McGill Community Family Day Care Centres are independently-run centres which can accommodate approximately 100 children, ranging in age from 4 months to 5 years. As placements are limited, especially for certain age groups, early application is suggested. The Centres are located at 3491 Peel Street, Montreal, H3A 1W7, telephone (514) 398-6943.

Extra-Curricular Activities
There are over 250 activities and clubs which students may join. These include international clubs; religious groups; political clubs; fraternities; communications groups such as Radio McGill, the McGill Tribune, and the McGill Daily; and some 50 miscellaneous groups (e.g., science clubs; literary, theatrical and musical societies; a chess club; and the McGill Outing Club).

The University Centre, 3480 McTavish Street, provides club rooms for these activities in a four-storey building with cafeterias, a ballroom, lounges and an experimental theatre. Activities for graduate students are centred in David Thomson House at 3650 McTavish Street. On the Macdonald Campus facilities are located in the Centennial Centre.

Ombudsperson for Students
At McGill University there is an Ombudsperson for Students, filled on a half-time basis by an academic staff member. The Ombudsperson receives complaints from students and assists in the resolution of those complaints through informal means including information, advice, intervention, and referrals with a view to avoiding the more formal grievance procedures that already exist in the University.

The Office of the Ombudsperson is a confidential, independent, and neutral dispute resolution service for all members of the student community. Please call (514)398-7059 for an appointment.

Office of the Ombudsperson, Brown Building, Room 5202
Web site: www.mcgill.ca/ombudsperson

8 History of the University

The Hon. James McGill, a leading merchant and prominent citizen of Montreal, who died in 1813, bequeathed an estate of 46 acres called Burnside Place together with £10,000 to the "Royal Institution for the Advancement of Learning" upon condition that the latter erect "upon the said tract or parcel of land, an University or College, for the purpose of education and the advancement of learning in this Province"; and further upon condition that "one of the Colleges to be comprised in the said University shall be named and perpetually be known and distinguished by the appellation of 'McGill College'."

At the time of James McGill's death, the Royal Institution, although authorized by law in 1801, had not been created but was duly instituted in 1819. In 1821 it obtained a Royal Charter for a university to be called McGill College. Further delay was occasioned by litigation, and the Burnside estate was not acquired until March 1829. The Montreal Medical Institution which had begun medical lectures at the Montreal General Hospital in 1822, was accepted by the College as its Faculty of Medicine in June 1829. After further litigation, the College received the financial endowment in 1835 and the Arts Building and Dawson Hall were erected. The Faculty of Arts opened its doors in 1843.

Progress, however, was slow until the 1821 Charter was amended in 1852 to constitute the members of the Royal Institution as the Governors of McGill College. Since that time the two bodies have been one. It was first called "The University of McGill College" but in 1885 the Governors adopted the name "McGill University". Even after the amended charter was granted, little advance was made until 1855 when William Dawson was appointed Principal. When he retired 38 years later, McGill had over 1,000 students and Molson Hall (at the west end of the Arts Building), the Redpath Museum, the Redpath Library, the Macdonald Buildings for Engineering and Physics, and a fine suite of medical buildings had been erected.

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

In 1907 Sir William Macdonald established Macdonald College at Sainte-Anne-de-Bellevue, as a residential college for Agriculture, Household Science, and the School for Teachers. Those components have since become the Faculty of Agricultural and Environmental Sciences, which includes the School of Dietetics and Human Nutrition on the Macdonald Campus and the Faculty of Education located on the downtown campus. The University's general development has been greatly facilitated by the generosity of many benefactors, and particularly by the support of its graduates, as regular public funding for general and capital expenditures did not become available until the early 1950s. Since that time government grants have become a major factor in the University's financial operations, but it still relies on private support and private donors in its pursuit of excellence in teaching and research.

The University now comprises 11 faculties and 10 schools. At present over 20,000 students are taking regular university courses; one in four is registered in Graduate Studies.

The University is also active in providing courses and programs to the community through the Centre for Continuing Education which serves approximately 10,000 students per term.

9 University Administrative Officers

Richard W. Pound; O.C., O.Q., Q.C., C.A., B.Com.(McG.), B.A.(SirG.Wms.), B.C.L.(McG.) **Chancellor**

Robert Rabinovitch; B.Com.(McG.), M.A., Ph.D.(Penn.) **Chair of the Board of Governors**

Heather Munroe-Blum; O.C., B.A., B.S.W.(McM.), M.S.W.(W.Laur.), Ph.D.(N.Carolina) **Principal and Vice-Chancellor**

Luc Vinet; B.Sc., M.Sc., Ph.D.(Montr.) **Provost**

Anthony Masi, A.B.(Colgate), Ph.D.(Brown) **Deputy Provost andChief Information Officer**

Morty Yalovsky; B.Sc.; M.Sc., Ph.D.(McG.) **Vice-Principal (Administration and Finance)**

Nancy L. Wells; B.A.(Mass. College of Liberal Arts), M.S.(Ind.) **Vice-Principal (Development and Alumni Relations)**

Louise Proulx; B.Sc.(Sherbrooke), Ph.D.(Laval) **Vice-Principal(Research)**

Janyne Hodder; B.A., M.A.(McG.) **Vice-Principal (Institutional Relations)**

Jennifer Robinson **Vice Principal (Communications)**

Robin Geller; B.Sc.(Eng.)(Queen's), LL.B.(Ott.) **Secretary-General**

Nicholas de Takacsy; B.Sc., M.Sc.(Montr.), Ph.D.(McG.) **AssociateProvost (AcademicServices)**

Hudson Meadwell; B.A.(Man.), M.A., Ph.D.(Duke) **AssociateProvost (Academic Staff and Planning)**

Martha Crago; B.A., M.Sc.A., Ph.D.(McG.) **Dean (Graduate and Postdoctoral Studies) and AssociateProvost (Academic Programs)**

Deborah Buszard; B.Sc.(Bath), Ph.D.(Lond.) **AssociateVice-Principal (Macdonald Campus)**

Ian Butler; F.C.I.C., B. Sc., Ph.D.(Brist.) **AssociateVice-Principal(Research)**

Bruce Shore; B.Sc., M.A.(McG.), Ph.D.(Calg.) **DeanofStudents**

Frances Groen; B.A.(Penn.), B.L.S.(Tor.), M.A.(Pitts.) **DirectorofLibraries**

Sylvia Franke; LL.B., B.Sc.(Tor.) **Registrar and Executive Director of Admissions, Recruitment and Registrar's Office**

Table of Contents

1 The Faculty

1.1 Location

Faculty of Dentistry
Strathcona Anatomy and Dentistry Building
3640 University Street
Montreal, QC H3A 2B2
Canada

Telephone: (514) 398-7227
Fax: (514) 398-8900
Fax: (Admissions) (514) 398-2028
E-mail: undergrad.dentistry@mcgill.ca
Web site: www.mcgill.ca/dentistry

1.2 Administrative Officers

FACULTY

James P. Lund; B.D.S.(Adelaide), Ph.D.(W.Ont.) **Dean**

Marie E. Dagenais; D.M.D.(Montr.), Dip.Rad.(Tor.) **AssociateDean (Academic Affairs)**

Marc D. McKee; B.Sc., M.Sc., Ph.D.(McG.) **AssociateDean(Research)**

Jocelyne S. Feine; D.D.S., M.S.(Texas), H.D.R.(Auverne) **Director (Graduate Programs)**

Norman M. Miller; B.Sc., D.D.S.(McG.) **Director (CommunityRelations)**

Jeffrey M. Myers; B.Sc., D.D.S.(McG.) **Director (Undergraduate Clinical Programs)**

Edward D. Shields; B.Sc., D.D.S., Ph.D.(Ind.) **Chair, AdmissionsCommittee**

Patricia Bassett **Administrative Assistant (Student Affairs)**

MULTIDISCIPLINARY RESIDENCY DIRECTORS

Stéphane Schwartz; D.M.D.(Montr.), M.Sc.Cert.Pedo. (Boston), F.I.C.D., F.A.C.D.
Montreal Children's Hospital

Norman M. Miller; B.Sc., D.D.S.(McG.)
QueenElizabethHealthComplex

Antoine Chehade; B.Sc., D.D.S., M.Sc.(McG.)
RoyalVictoriaHospital and Montreal General Hospital

Melvin Schwartz; B.Sc., D.D.S.(McG.)
Sir Mortimer B. Davis-Jewish General Hospital

1.3 History

The history of dental education in Quebec goes back to 1892 when the Association of Dental Surgeons of the Province of Quebec founded, in Montreal, a dental school known as the Dental College of the Province of Quebec. Instruction in this College was in both English and French and the College was located on Phillips Square. This College became associated with Bishop's University in Lennoxville, Quebec, four years later as a department in the Faculty of Medicine of that University, but remained situated in Montreal. In this way the clinical training was provided by the College and the academic training by the University. The first Doctor of Dental Surgery (D.D.S.) degree in the province of Quebec was granted by Bishop's University.

The McGill Dental School was established in June 1904 as a department in the Faculty of Medicine and continued as such until 1920 when it became known as the Faculty of Dentistry.

The Faculty of Dentistry has always been closely associated with the Montreal General Hospital, where the clinical teaching in the Faculty is mainly carried out along with rotations to other teaching hospitals. The preclinical teaching laboratory is housed in the Strathcona Anatomy and Dentistry Building on campus. The basic science subjects are taught in conjunction with the Faculty of Medicine during the first 18 months of the program.

To reflect the increase in curricular content of basic science and medical courses in recent years, the Faculty requested that the degree program be renamed. The change, to Doctor of Dental Medicine (D.M.D.), received University approval in the Spring of 2000.

2 General Information

2.1 Admission Procedures and Requirements

The application for admission to the Faculty of Dentistry for the academic year 2005-06 will be available on-line in the fall of 2004 at www.mcgill.ca/applying. Please consult this site, or the Faculty of Dentistry site www.mcgill.ca/dentistry, for the most recent application procedures.

Applicants who do not have access to the Web may contact the Administrative Assistant (Student Affairs) of the Faculty for information.

As the number of students in each class is limited, application should be made early. All documents, including transcripts and letters of recommendation, must be submitted by the deadlines given below. Each application must be accompanied by a non-refundable fee of $60 paid by credit card when applying via the Web or, if applying on a printed form, in the form of a certified cheque or money order payable to McGill University.

The results of all prerequisite subjects *must* be submitted to this Faculty prior to *June 1* for August registration.

Canadian applicants are required to take the Canadian Dental Association Aptitude Test (DAT) and have the results sent to the Faculty. Students applying for admission to the four-year program in 2005 must complete this Test in the Fall *prior* to December 1, 2004. CEGEP students are not required to take the DAT to be considered for admission into the five-year Dent-P program; but will be required to take the DAT during the science year before entering the first year of the dental program. The Test should be retaken if it was written more than three years before the date of application. Detailed information may be obtained from the Administrator, Dental Aptitude Test Program, The Canadian Dental Association, 1815 Alta Vista Drive, Ottawa, ON, K1G 3Y6, or on their Web site at www.cda-adc.ca.

Candidates applying from the United States should take the American Dental Association Aptitude Test and have the results sent to the Faculty of Dentistry.

Candidates who have studied in a foreign country must have their transcripts evaluated by the Service des équivalences, Ministère des relations avec les citoyens et de l'immigration, 800, boulevard de Maisonneuve Est, room 200, Montreal, QC H2L 4L8. Telephone (514) 864-9191. E-mail: equivalences@mrci.gouv.qc.ca.

Final decisions are based on transcripts, DAT results, reference letters, autobiographical letter, and interview.

For students accepted into the four-year program, notification of acceptance must be accompanied by a deposit of $2,000 (Canadian), which will be applied against tuition. Fifty percent (50%) of the deposit fee is refundable up to June 15, 2005.

For students accepted into the Dent-P program, notification of acceptance of the offer must be accompanied by a deposit of $1,000 (Canadian), which will be applied against tuition. The deposit is refundable up to June 15, 2005.

Deadlines for receipt of applications for admission to the 2005-06 academic year are:

November 15, 2004 –
for applicants whose residence is outside the province of Quebec.

January 15, 2005 –
for residents of Quebec applying to the four-year program.

March 1, 2005 –
for residents of Quebec applying to the Dent-P program.

2.1.1 Four-Year Program

Applicants to the four-year program must have an undergraduate Cumulative Grade Point Average (CGPA) of 3.5 or better on a 4.0 scale.

Applicants must have received an undergraduate degree, or be in the final year of a course of study at a recognized college or university leading to an undergraduate degree consisting of 120 credits over eight terms following completion of high school. However, students who have received a diploma of collegial studies (CEGEP) in the Province of Quebec must have completed 90 credits (six terms) in a Quebec university to obtain the required degree. Similarly, Quebec residents who, having received credit for their diploma of collegial studies, elect to complete their undergraduate degree outside the Province of Quebec (other Canadian provinces, U.S.A. or elsewhere) will be required to complete an undergraduate degree with a minimum of 90 credits (six terms) at the non-Quebec university to be eligible to apply. Students who fail to complete a DEC before transferring to a non-Quebec university must complete a four-year degree. Successful candidates must be in receipt of the bachelor's degree by the time of registration for the first year of the dental curriculum.

Although the Faculty attempts to ensure by means of the specific requirements listed below that all students have an adequate preparation in science, it also wishes to encourage students from a variety of backgrounds to select dentistry as a career. Prospective applicants are therefore advised to pursue courses of study, whether in the natural or social sciences or the humanities, which appeal to them and which have as their aim a broad education and intellectual training rather than merely anticipating the dental curriculum. In all programs of study, to be admissible, prospective applicants should have carried a full load of courses. Official transcripts must have numerical or letter grades. Narrative transcripts are not acceptable.

Specific requirements
One year (two terms) in each of the following courses, with laboratory:
- General Biology
- General Chemistry
- Organic Chemistry
- Physics

It is important to note that in all of the above courses Pass/Fail grades are not acceptable.

Prerequisite courses completed more than eight years ago must be repeated. Exception may be made for applicants with advanced degrees in the material concerned.

University-level courses in biochemistry, cell and molecular biology, and physiology are strongly recommended.

2.1.2 Five-Year Program (Dent-P)

Prospective applicants who are citizens or Permanent Residents of Canada living in the province of Quebec and who are enrolled in the second and final year of the Sciences Profile of the Quebec Colleges of General and Professional Education (CEGEP) are eligible to apply for the five-year program.

Overall average, science course average, and individual course marks as well as the *cote de rendement au collégial (coter)* is used in making the final decisions. A *coter* of 32,000 or higher would be considered competitive.

Required courses are:
Biology – 00UK, 00XU
Chemistry – 00UL, 00UM, 00XV
Mathematics – 00UN, 00UP
Physics – 00UR, 00US, 00UT

Recommended course:
Chemistry 302 *(or equivalent)*;
those who do not take this course in CEGEP will be required to take an equivalent course in the first year of the program.

The Dental Aptitude Test (DAT) is NOT required for entry into the Dent-P program.

Applicants not admissible to the Dent-P program:
- applicants who are completing a Diploma of Collegial Studies in more than two years (with the exception of certain students taking a "double DEC" or those enrolled in an approved Sports-Études program);
- CEGEP students who have formerly been enrolled in college or university programs or in post-secondary technical schools, within or outside of the province, are not eligible to apply.
- Applicants who have already obtained a Diploma of Collegial Studies who are registered in an undergraduate degree program or who have completed an undergraduate degree are not eligible.

These students must fulfil the requirements for, and make application to, the four-year program.

In the first dental preparatory (Dent-P) year, the students are registered in the Faculty of Science. In addition to completing the specific requirements for entry into the four-year program, they must take a number of elective courses selected for the purpose of broadening and enriching their education.

It should be noted that there are more applicants for the five-year program than can be accepted. Unsuccessful applicants are ordinarily well qualified for admission into other undergraduate degree programs at McGill (e.g., B.A., B.Sc.). All applicants are advised to make application for an alternate program.

A student accepted to the five-year program will be required to register for a full year in the Faculty of Science. In that year, the student must take courses totalling 30 credits. Following the

successful completion of this year, determined by a Student Promotions Committee, students will proceed into the first year of the four-year program. Students must obtain a minimum cumulative GPA of 3.5 with all individual marks "B" or higher.

Required Courses (6 credits)
BIOL200 (3) Molecular Biology
BIOL201 (3) Cell Biology and Metabolism

Elective Courses (24 credits)
preferably in Humanities.

A student who has not taken Chemistry302 in CEGEP will also be required to take an equivalent Organic Chemistry course.

2.2 Entrance to Advanced Standing/(Foreign Trained Dentists and Transfer Applicants)

Consideration for advanced standing may be requested but will only be granted if space is available.

Students who have received their dental degree from a non-Canadian university should contact the Association of Canadian Faculties of Dentistry, 100 Bronson Avenue, Suite 204, Ottawa, ON K1R6G8 or refer to their Web site www.acfd.ca for information concerning the special programs which are offered at some Canadian dental schools. McGill University does not offer a qualifying program.

Applicants who have completed a dental or medical degree at a non-Canadian or non-American university may apply for advanced standing. They will be required to pass the first part of the American Dental Board Examination as well as the ACFD/AFDC Eligibility Examination prior to submitting an application and may require an English Language Examination (TOEFL) following an interview. Final decisions are partially based on these two exams.

Students who are presently enrolled in a faculty of dentistry in Canada or the United States may be considered for entry into the third year of the D.M.D. program if:

1. they have completed or will have completed at least two years of the D.M.D./D.D.S. program;
2. they are ranked highly in their current program;
3. they have passed the first part of the American Dental Board Examination.

The Compulsory Immunization Program, see "Vaccination/Immunization Requirements" on page 5, is required for all Advanced Standing applicants.

As well, Advanced Standing students will be expected to purchase a complete McGill Instrument Kit prior to entrance

2.3 Professional Practice

Applicants are reminded that a university degree in dentistry does not in itself confer the right to practise the profession of dentistry. It is necessary to comply with the dental laws of the country, province or state in which one proposes to practise. Students, therefore, are advised to register their qualifications at the beginning of their university course with the licensing body in the area in which they intend to practise.

2.4 Licensure Requirements

2.4.1 Province of Quebec

Candidates who have successfully completed the regular program of the Faculty of Dentistry, McGill University, may be eligible for licensure. In order to practise in the Province of Quebec, candidates must successfully complete the comprehensive examinations held conjointly with the National Dental Examining Board of Canada and l'Ordre des Dentistes du Québec and meet the French language requirement for professionals, see "Language Requirements for Professions" on page 6. Candidates who wish to practise elsewhere in Canada must also successfully complete the National Dental Examining Board comprehensive examinations.

2.4.2 Provincial Dental Boards

Students are advised to write to the addresses listed below for information whenever they are in doubt as to the regulations of any province in Canada.

Alberta – Executive Registrar, Alberta Dental Association, 101-8230 105th Street, Edmonton, AB, T6E5H9

British Columbia – Registrar, College of Dental Surgeons of British Columbia, 500-1765 West 8th Avenue, Vancouver, BC, V6J5C6

Manitoba – Registrar, Manitoba Dental Association, 103-698Corydon Avenue, Winnipeg, MB, R3M0X9

New Brunswick – Registrar, New Brunswick Dental Society, 520King Street, Suite820, P.O. Box 488, Station A, Fredericton, NB, E3B4Z9

Newfoundland – Registrar, Newfoundland Dental Board, 139Water Street, 6th Floor, St.John's, NF, A1C1B2

Nova Scotia – Registrar, Provincial Dental Board of Nova Scotia, 5991 Spring Garden Road, #602, Halifax, NS, B3H1Y6

Ontario – Registrar, Royal College of Dental Surgeons of Ontario, 5075 Yonge Street, Suite 405, Toronto, ON, M2N6C6

Prince Edward Island – Registrar, Dental Association of Prince Edward Island, 184 Belvedere Avenue, Charlottetown, PE, C1A2Z1

Quebec – Executive Director and Secretary, Ordre des Dentistes du Québec, 625 René-Lévesque Boulevard West, 15th floor, Montréal, QC, H3B1R2. Web site: www.odq.qc.ca

Saskatchewan – Registrar, College of Dental Surgeons of Saskatchewan, 202-728 Spadina Crescent East, Saskatoon, SK, S7K4H7

2.4.3 National Dental Examining Board of Canada

The National Dental Examining Board of Canada issues, after an examination, a certificate to successful candidates which may be registered with the Canadian provincial licensing boards for the purpose of securing a licence to practise.

Candidates must hold a degree in dentistry from a school of dentistry approved by the Council on Education of the Canadian Dental Association at the time of graduation; or be certified by the Dean or Registrar of a University as a bona fide senior year student of an approved dental school.

Further information may be obtained from the Registrar, National Dental Examining Board of Canada, 100 Bronson Avenue, Suite 203, Ottawa, ON, K1R 6G8. Telephone (613) 236-5912. Web site: www.ndeb.ca

2.4.4 National Dental Examining Board of the U.S.

Students intending to practise in the United States are advised to contact the Secretary, Council of the National Board of Dental Examiners, American Dental Association, 211 East Chicago Avenue, Chicago, Illinois 60611. Web site: www.ada.org

Information should also be obtained from the Secretary of the licensing board of the specific state in which the student intends to practise.

2.5 Registration

New Students
All students entering the four-year program in 2004-05 must initiate registration on the Web by adding the registration course REGN-RCDE on Minerva.

The Minerva Registration period for newly admitted Dentistry students is August 3 - August 10, 2004.

In order for the official registration in the D.M.D. program at McGill to be confirmed, the student must also present him or herself, with proper documentation, at the Faculty Registration and Orientation on Wednesday, August 11, 2004. ATTENDANCE IS COMPULSORY. Failure to attend will result in cancellation of the student's offer of admission to the program and registration.

For further information, consult the Web at www.mcgill.ca/minerva and the registration information being mailed to incoming students in June.

Returning Students
All returning students must register for 2004-05 on the Web by adding the registration course REGN-RCDE on Minerva. Returning students must register by the deadline specified or pay the appropriate late registration fees.

For further information, consult the Web at www.mcgill.ca/minerva and the registration information mailed to returning students in early April.

2.6 Compulsory Immunization Program

The basic compulsory immunization program is outlined in the General University Information section "Vaccination/Immunization Requirements" on page5. Students who are accepted for the study of dentistry will receive details of the immunization requirements with their acceptance package. **Two immunization issues must, however, be taken into consideration prior to entry into dental school:**

Varicella (chicken pox): Students who do not have a clear, documented history of having had this childhood infection, must have their serology verified prior to registration. (It should be noted that a University-affiliated hospital may deny the student access to a clinical rotation if he/she is potentially contagious; this may impact on the student's studies.) In the event that the student's titre is negative, it is **highly recommended** that the student have a Varicella vaccination prior to registration. Failure to do so will compromise clinical rotations and may impact on the student's graduation date.

Hepatitis B and C: These are serious and potentially contagious diseases, and all prospective dental students who are seronegative for Hepatitis B must be vaccinated before they will be permitted contact with patients. Any student who, in pre-vaccination testing, is found to be carrying the Hepatitis B virus will not be permitted to perform dental procedures involving needles, scalpels or other sharp objects as this poses a potential risk to the patient and will be required to withdraw at the end of Cycle 1 - Basis of Medicine. This will prevent the student from completing the clinical requirements of the program. Students who are seropositive for Hepatitis B and/or C or any other blood-bone pathogens are obligation to notify the Dean's Office as soon as they know their serostatus. The student will be referred to the Infected Health Care Worker Committee of the McGill University Teaching Hospital Council. **Applicants who know they are carrying these viruses should consider carefully their intention to become a dentist and govern themselves accordingly.**

3 Scholarships, Awards and Financial Aid

3.1 Entrance Scholarships

Each year a limited number of Entrance Scholarships are awarded to students of high academic standing. Applicants must be entering a university for the first time to undertake a full-time undergraduate degree program.

Full information concerning undergraduate scholarships and bursaries are given in the *Undergraduate Scholarships and Awards Calendar* available on the Web at www.mcgill.ca/courses.

DR. YU-MING LAM SCHOLARSHIP, established in 1999 by Dr.Yu-Ming Lam (D.D.S. 1972) and family, in honor of Mr.Yin-Bun Lam, for students entering the four-year dentistry program. This scholarship will be awarded on the basis of high academic achievement by the Faculty of Dentistry and is renewable provided the holder maintains an academic standing established by the Faculty. Value: $3,000.

PING KWAN LAU SCHOLARSHIP
劉秉鈞獎學金
Established in 1998 by Arthur Lau (B. Arch. 1962) and family in memory of his father, Ping Kwan Lau, for students entering the four-year dentistry program. This Scholarship will be awarded on the basis of high academic achievement, by the Faculty of Dentistry with preference to international students and will be renewable provided the holder maintains an academic standing established by the Faculty. Value: $3,500.

3.2 In-course Scholarships

Each year scholarships are awarded by the Faculty to students of high academic standing who are currently enrolled in a full-time undergraduate degree program. Advanced standing students cannot compete for prizes unless they meet the precise criteria for the prizes within the specified time frame.

DR. ERNEST R. AMBROSE SCHOLARSHIP IN DENTISTRY, established in 2001 by Doreen Laszlo, B.Ed.(PE) 1962, D.D.S. 1969 and Charles A. Laszlo, B.Eng. 1961, M.Eng. 1966, Ph.D. 1968, to honor Ernest R. Ambrose, D.D.S. 1950, a distinguished graduate, professor and former Dean of the Faculty of Dentistry. This scholarship will be awarded by the Faculty of Dentistry Scholarships Committee to an outstanding undergraduate student in the Faculty of Dentistry, who has demonstrated common sense, compassion and excellence in restorative dentistry. Preference will be given to students who are entering the fourth year of the D.M.D. program. Value: minimum $2,500.

DR. STEPHEN S. CYMET SCHOLARSHIP IN DENTISTRY, established in 2001 by Stephen S. Cymet (D.D.S. 1974), for an undergraduate student who has completed at least one year of the D.M.D. program. This scholarship will be awarded on the basis of high academic standing by the Faculty of Dentistry. Value: $2,000.

DR. JANET GRIFFIN-MERTH SCHOLARSHIP IN DENTISTRY
established in 2002 through gifts from McGill Dentistry graduates in British Columbia, family and friends, to honor the memory of Janet Griffin-Merth, B.Sc. 1967, D.D.S. 1972. Janet inspired many with her contributions to McGill and her dedication and compassion toward her patients, staff and colleagues. Awarded on the basis of academic achievement by the Faculty of Dentistry to a student who has completed at least one year of the D.M.D. program. Preference shall be given to students from British Columbia. Value: Minimum $2,000.

DR. JAMES E.G. HARRISON SCHOLARSHIP IN DENTISTRY, established in 2001 by James E.G. Harrison, D.D.S. 1951. This scholarship will be awarded by the Faculty of Dentistry Scholarships Committee to a meritorious undergraduate student in the D.M.D. program who demonstrates a firm commitment to the ethical practice of dentistry in interactions with patients and colleagues or in essays on professional conduct and responsibilities. Preference will be given to students who are entering the third or fourth year of the D.M.D. program. Value: minimum $2,000.

DR. HOWARD S. KATZ SCHOLARSHIP IN DENTISTRY, established in 2001 through gifts from family, friends and colleagues, to honour the memory of Howard S. Katz, B.Sc. 1967, M.Sc. 1970, Ph.D. 1973 and D.D.S. 1977, a distinguished graduate of the Faculty of Dentistry and Associate Dean (Academic) at the time of his death December 11, 1999. The Dr. Howard S. Katz Scholarship commemorates his many contributions to McGill and to the community and, in particular, his dedication to the well-being of students, patients and colleagues. This scholarship will be awarded by the Faculty of Dentistry to a student who has completed at least one year of the D.M.D. program, on the basis of academic achievement. Value: minimum $2,100.

DR. EARL LERNER FACULTY SCHOLARSHIP, established in 2000 by a generous gift from Dr. Earl Lerner (D.D.S. 1963) for an undergraduate student currently enrolled in the D.M.D. program. This Scholarship will be awarded on the basis of high academic achievement, by the Faculty of Dentistry. Preference will be given

to a student entering the second year of the D.M.D. program. Value: $2,000.

DR. WILLIAM S BOROFF SCHOLARSHIP IN DENTISTRY, established in 2004 through generous gifts from the McGill Dentistry Class of 1973 of their 30th Anniversary of graduation to honour the memory of their classmate, Dr. William Boroff. This Scholarship will be awarded by the Faculty of Dentistry Scholarships Committee to a meritorious undergraduate student in the D.M.D. Program who has demonstrated outstanding qualities of character, perseverance and sportsmanship. Preference will be given to a student who is entering the fourth year of the D.M.D. Program. Value: minimum: $2,000.

DR. HARRY ROSEN SCHOLARSHIP IN DENTISTRY, established in 2001 by Harry Rosen, D.D.S. 1953, Professor Emeritus, for an outstanding undergraduate student who has completed at least one year of the D.M.D program. This scholarship will be awarded on the basis of high academic standing by the Faculty of Dentistry Scholarships Committee. Preference will be given to a student entering the fourth year of studies in the D.M.D. program. Value:$2,000.

3.3 Medals and Prizes

FOURTH YEAR:

C.D.A. PRESIDENT'S AWARD, donated by the Canadian Dental Association, awarded to the graduating student who, over the undergraduate years, has shown outstanding qualities of leadership, scholarship, character, and humanity and who may be expected to have a distinguished career in the dental profession and society at large. The student must be a member of the Canadian Dental Association.

DR. J.K. CARVER AWARD, donated by l'Ordre des Dentistes du Québec, awarded to the student in the final year attaining the second highest overall standing in the four years of the dental undergraduate program.

DR. LEANORE K. FEINE PRIZE, awarded to the student in the final year who has best demonstrated commitment to the oral health of the local community throughout the clinical undergraduate program.

DR. W.G. LEAHY PRIZE, awarded to the student in the final year for meritorious achievement in Clinical Dentistry throughout the clinical undergraduate program.

DR. PAUL A. MARCHAND AND MAURINE MCNEIL MARCHAND PRIZE, awarded to the student in the final year who has demonstrated the highest degree of professionalism and patient management.

DR. JAMES MCCUTCHEON MEDAL, awarded to the member of the graduating class who has demonstrated outstanding qualities of leadership, scholarship and professional achievement throughout the four years of the program in Dentistry.

MCGILL ALUMNAE SOCIETY PRIZE, presented annually upon graduation to a distinguished student for excellence and high academic standing. Preference given to women students.

QUEBEC DENTAL SURGEONS ASSOCIATION PRIZE, awarded to a student in the graduating year who has best served the interests of his/her colleagues throughout the university years.

DR. A. GERALD RACEY PRIZE, awarded to the student in the final year who has excelled in the comprehensive oral examination in Oral and Maxillofacial Surgery.

DR. A.W. THORNTON GOLD MEDAL, donated by the Montreal Dental Club, awarded to the student in the final year attaining the highest overall standing in the four years of the dental undergraduate program.

PRIX D'EXCELLENCE JEAN-ROBERT VINCENT, donated by the Quebec Association for Special Care Dentistry, awarded to a graduating student who attains the highest grade in Geriatric Dentistry.

DR. A.L. WALSH PRIZE, awarded to the student in the final year for meritorious achievement in Oral Medicine throughout the clinical undergraduate program.

THIRD YEAR:

DR. L.A. COHN PRIZE, awarded to the student attaining the highest standing in Prosthetic Dentistry in the third year of the dental undergraduate program.

PIERRE FAUCHARD ACADEMY PRIZE, awarded to the junior Canadian Dental Association Student Governor for demonstrating leadership in the profession.

DR. LYMAN E. FRANCIS PRIZE, awarded to the student in the third year of the program who has obtained the highest standing in the subjects of Pathobiology, Treatment and Prevention of Disease, Dental Pharmacology, Oral Pathology and Medicine over the second and third years of the dental undergraduate program.

DR. GERALD FRANKLIN PRIZE, awarded to the student attaining the highest standing in the examinations in the third year of the dental undergraduate program.

INTERNATIONAL COLLEGE OF DENTISTS PRIZE (CANADIAN SECTION), awarded to the student attaining the second highest standing in the third year of the dental undergraduate program.

MORTON AND JONATHAN LANG PRIZE IN DENTISTRY, awarded by the Faculty of Dentistry Scholarships Committee to an outstanding undergraduate student on the basis of academic merit.

SECOND YEAR:

DR. W.C. BUSHELL AWARD, presented to the student attaining the highest overall standing in the Oral Disease unit in the second year of the dental curriculum.

DR. M. DONIGAN AWARD, presented to the student attaining the highest overall standing in the Introduction to the Patient and Introduction to the Practice of Dentistry unit in the Basis of Medicine component of the curriculum.

DR. LEANORE K. FEINE PRIZE, presented to the student in the second year of the dental curriculum who has best demonstrated commitment to the oral health of the local community.

DR. MAXWELL AND BETTY L. GOLDENBERG PRIZE, established by a generous bequest from the estate of Mrs. Betty L. Goldenberg in honour of her husband Dr. Maxwell Goldenberg, D.D.S. 1925. Awarded by the Faculty of Dentistry to the student attaining the highest standing in the Practical Clinical Component of Cycle Two (PreClinical Studies), in the second year of the dental undergraduate program. Value: minimum $500.

DR. I.K. LOWRY AWARD, presented to the student attaining the highest overall standing in the Management of Oral Disease unit in the second year of the dental curriculum.

DR. K.I. MELVILLE AWARD, presented to the student attaining the highest overall standing in the Oral Health unit in the second year of the dental curriculum.

DR. D.P. MOWRY AWARD, presented to the student attaining the highest overall standing in the second year of the dental curriculum.

FIRST YEAR:

JAMES Q. BLISS ANNUAL BOOK AWARD, awarded to the student who obtains the highest standing in the Gas, Fluids and Electrolytes unit. Value: $100.

JOSEPH MORLEY DRAKE PRIZE, founded by the late Joseph Morley Drake, M.D. Awarded to the student with the highest standing in the Pathobiology, Prevention and Treatment of Disease unit. Value: $300.

SHIRLEY NANCY ENDMAN PRIZE, established in 1982 by Louis Endman in memory of his wife. Awarded to the student who obtains the second highest standing in the Gas, Fluids and Electrolytes unit. Value: $70.

CHARLES E. FROSST MEDICAL PRIZE AND BRONZE MEDAL, a bronze medal and prize of $1,000 are awarded annually to a student, in the Basis of Medicine, who has achieved excellence in the Unit on Pathobiology, Treatment and Prevention of Disease and has demonstrated, on the basis of interviews, the most promise in the field of Pharmacology.

ROBERT B. GREENBLATT PRIZE, endowed in 1987 by Dr. Robert B. Greenblatt, an eminent endocrinologist and professor emeritus at the Medical College of Georgia, who graduated from McGill with a B.A. in 1928 and an M.D.,C.M. in 1932. Awarded by the Faculty Scholarships Committee to the student who obtains the highest standing in the Life Cycle unit.

JOSEPH HILS PRIZE, founded by the late Dr. Joseph Hils, of Woonsocket, R.I. Awarded to the student obtaining the highest standing in the Musculoskeletal and Blood unit. Value: $175.

F. SLATER JACKSON PRIZE, founded by Mr. and Mrs. H.F. Jackson in memory of their son, the late F. Slater Jackson, M.D. Awarded to the student with the highest standing in the Molecules, Cells and Tissues unit. Value: $175.

FRANCIS MCNAUGHTON PRIZE, established in 1980. Awarded to the student with the highest standing in the Nervous System and Special Senses unit. Value: $200 and a book.

MARK NICKERSON PRIZE, established in 1990 by the Department of Pharmacology and Therapeutics in honour of Professor Mark Nickerson, a renowned McGill pharmacologist. Awarded to the student in the Basis of Medicine, who has achieved excellence in the unit on Pathobiology, Treatment and Prevention of Disease and has demonstrated, on the basis of interviews, an understanding of the role of pharmacology and therapeutics in contemporary society. Recipients will also receive a scroll. Value: $250.

SAMUEL ROSENFELD PRIZE, awarded to the student with the highest standing in Host Defence and Host/ Parasite Relationships unit. Value: $125

DR. ARTHUR S. SOLOMON AWARD, presented to the student attaining the second highest standing in the Basis of Medicine component of the curriculum.Value: $150.

MARY AND LOUIS STREICHER PRIZE, established in 1980. Awarded to the student with the highest standing in the Endocrinology, Metabolism and Nutrition unit. Value: $150.

SUTHERLAND PRIZE, founded in 1878 by the late Mrs. Sutherland in memory of her husband, William Sutherland, M.D., formerly Professor of Chemistry in the Faculty. Awarded to the student who obtains the highest standing in the Basis of Medicine component of the medical undergraduate curriculum. Value: $250.

The Faculty of Dentistry is well aware of the many awards and prizes that are offered to students through various academies, associations and commercial dental manufacturers. However, due to Faculty policy which was initiated by the Dental Students' Society, only official prizes and awards that are listed in the health Sciences Calendar will be recognized on student records.

3.4 Loans

The University has a fund from which loans may be made to students of good academic standing.

L'Ordre des Dentistes du Québec has created a loan fund to assist students of the Faculty who are registered with the Order. The W.R. Aird Loan Fund, W.K. Kellogg Foundation Loan Fund, the Dental Students' Society Dean D.P. Mowry Memorial Fund, and the Dr. Stan Smaill Memorial bursary are available to assist any student registered in the Faculty.

Applications for financial assistance should be made to the Student Aid Office at 3600 McTavish Street.

3.5 Dental Officer Training Plan

The Dental Officer Training Plan is a subsidization plan offered to eligible dental undergraduates by the Canadian Forces in return for a short period of service following graduation.

Under the plan, candidates are provided with a second lieutenant's rank and salary, and payment for tuition, instruments, supplies, and books. During the summer months, candidates undergo officer training.

To be eligible a student must be able to meet the Canadian Forces standards for enrolment and be academically acceptable, without condition, to any one of the four professional years of the dental program.

Full details of the Dental Officer Training Plan may be obtained from the Commanding Officer, Canadian Forces Recruiting Centre, 1420 Sainte Catherine Street West, Montreal, QC H3G1R3. Telephone (514) 390-4999.

3.6 Graduate Fellowships, Awards and Prizes

DR. LYON BERCOVITCH MEMORIAL AWARD, established by a bequest from Olga Bercovitch in memory of her husband, Dr. Lyon Bercovitch (D.D.S. 1914). Awarded by the Faculty of Dentistry to a student pursuing graduate studies in dentistry. Value: mininum $1,800.

DR. E.T. & MRS. MARJORIE BOURKE AWARD, established by a bequest from Marjorie Bourke in memory of her husband, Dr.E.T.Bourke (D.D.S. 1923). Awarded by the Faculty of Dentistry to a student pursuing graduate studies in dentistry. Value: minimum $1,800.

GRADUATE RESEARCH PRIZE, established by the Class of Dentistry 1986 on the occasion of their Tenth Anniversary, presented by the Faculty of Dentistry to a graduate student who has been judged to have the best research project at the Annual Student Table Clinics and Research Evening.

HONG KONG FELLOWSHIP IN DENTISTRY

牙医学香港奖学金

Established in 2002 by a generous gift from a McGill graduate from Hong Kong. The fellowship will be awarded to an outstanding student who has graduated from a Chinese university and is entering a postdoctoral, Ph.D or M.Sc. program of study in the Faculty of Dentistry. Awarded by the Dean of the Faculty in consultation with the Graduate Studies Committee. The recipient will be someone who can be expected to make a significant contribution to the advancement of science in their home country after the completion of their studies. Value: minimum $25,000.

DR. YU-MING LAM FELLOWSHIP, established in 1999 by a generous gift from Dr. Yu-Ming Lam (D.D.S. 1972) and family, in honor of Mr. Yin-Bun Lam. This Fellowship will be awarded by the Faculty of Dentistry to an entering postdoctoral, doctoral or master's student in the Faculty of Dentistry. Value: minimum $10,000.

DR. SOO KIM LAN PRIZE IN DENTISTRY

蘇金蘭醫生獎學金

Established in 2000 by Arthur Lau (B. Arch. 1962) and Crystal Soo Lau (B.Sc. 1962, M.Sc. 1964), for graduate students in the Faculty of Dentistry. Awarded by the Faculty of Dentistry to an outstanding graduating student who is entering a Residency or Post Graduate Program. Value: minimum $500.

DR. WAH LEUNG FELLOWSHIP

梁魁華牙醫獎學金

Established in 1998 by a generous gift from a McGill graduate of Chemical Engineering (Class of 1959), from Hong Kong, in honour of Dr. Wah Leung, the first Dean of Dentistry at the University of British Columbia. Awarded by the Faculty of Dentistry to an entering postdoctoral, doctoral or master's student in the Faculty of Dentistry who is working in pain, oral cancer or bone tissue research. Renewable once at the master's level and twice at the postdoctoral and doctoral levels. Value: minimum $20,000.

DR. AND MRS. I.N. PESNER MEMORIAL PRIZE, established in 2001 by a bequest from Dr. Isidore N. Pesner, D.D.S. 1920, and Mrs.I.N. Pesner, to fund a graduate student prize in the Faculty of Dentistry. This prize will be awarded by the Faculty of Dentistry to an outstanding graduate student already in a Residency or post graduate program, who will be presenting a paper at a national or international scientific meeting. Value: $ 500.

4 Program for the Degree of D.M.D.

4.1 Curriculum Outline

** The curriculum is under constant revision.*

CYCLE I – BASIS OF MEDICINE AND DENTISTRY

Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.
Unit 1 Molecules, Cells & Tissues (4 weeks)	Unit 2 Gas, Fluids & Electrolytes (9 weeks)		Unit 3 Life Cycle (3 weeks)	Unit 4 Endocrinology, Metabolism & Nutrition (7 weeks)		Unit 5 Musculo-skeletal & Blood (4 weeks)	Unit 6 Nervous System & Special Senses (8 weeks)		Unit 7 Host Defense & Host Parasite (5 weeks)	Summer Vacation/ Research	
Unit 9 – ITP (Introduction to the Patient)											

CYCLE I - BOM AND DENTISTRY

Sept.	Oct.	Nov.	Dec.
Unit 7 Host Defense & Host Parasite (2 weeks)	Unit 8 Pathobiology, Treatment & Prevention of Disease (14 weeks)		
Unit 9 ITPD (Intro to the Practice of Dentistry)			

CYCLE II – PRECLINICAL STUDIES

Jan.	Feb.	March	April	May	June	July	Aug.
Unit 10 Oral Health						Summer Vacation/ Research	
	U11 Oral Dis.						
	Unit 12 Management of Oral Disease						
	Unit 13 Dental Public Health						

CYCLE III – CLINICAL STUDIES – DENTISTRY III & IV

Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.
DENT305	Dental Public Health	2 weeks		DENT305	Dental Public Health	1 week	DENT305	Dent. Pub. Health	2 weeks	DENT314 Summer Clinic/ Externships	2 to 3 weeks
DENT310	Clinical Practice/ Jr Clerkship			DENT310	Clinical Practice/ JrClerkship		DENT310	Clinical Practice/ JrClerkship			
DENT311	Endodontics			DENT311	Endodontics		DENT311	Endodontics			
				DENT313	Community Clinics		DENT313	Comm. Clinics			
DENT315	Orthodontics			DENT315	Orthodontics		DENT315	Orthodontics			
DENT316	Pediatric Dentistry			DENT316	Pediatric Dentistry		DENT316	Pediatric Dent.			
DENT317	Oral Pathology & Medicine			DENT317	Oral Path & Med		DENT317	Oral Path & Med.			
DENT318	Periodontology			DENT318	Periodontology		DENT318	Periodontology			
DENT319	Dental Pharmacology			DENT319	Dental Pharmacol.		DENT319	Dent Pharmacol.			
DENT320	Restorative Dentistry			DENT320	Restorative Dent.		DENT320	Restorative Dent.			
DENT322	Image Interpretation										
DENT323	Oral & Maxillofacial Surgery			DENT323	Oral & Max.Surgery		DENT323	Oral & Max.Surg.			
				DENT337	Clinical Decision Making		DENT337	Clinical Decision Making			

Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April
DENT405	Dental Public Health	2 weeks		DENT405	Dental Public Health		
DENT409	Advanced Restorative Dent.			DENT409	Advanced Restorative Dentistry		
DENT410	Clinical Practice/Sr Clerkship			DENT410	Clinical Practice/Sr Clerkship		
DENT411	Endodontics						
DENT415	Orthodontics			DENT415	Orthodontics		
DENT416	Pediatric Dentistry			DENT416	Pediatric Dentistry		
DENT418	Periodontology						
DENT423	Oral Maxillofacial Surg & Path			DENT423	Oral Maxillofacial Surg & Path		
DENT437	Clinical Decision Making			DENT437	Clinical Decision Making		

4.2 *Standards of Behaviour

The teacher/learner relationship is based on mutual trust, respect and responsibility. The Faculty of Dentistry therefore has many legitimate expectations related to the behaviour of students and faculty members. A Code of Conduct for the undergraduate medical program is printed in the Students' Handbook (distributed at orientation). The Faculty is committed to providing a learning environment which respects this Code. Student/faculty harassment, abuse and mistreatment are not tolerated. An evaluation protocol for professional behaviour is in the development phase. Students who demonstrate inappropriate professional conduct or are found guilty of a criminal offence may be dismissed from the Program.

4.3 Evaluation

The evaluation system is under constant review by the Faculties of Medicine and Dentistry. The Faculties reserve the right to change rules and regulations at any time, although in general such

changes will not come into effect in the middle of an academic year/promotion period.

The four year dental curriculum is broken down into the following five promotion periods:

BASIS OF MEDICINE AND DENTISTRY – CYCLE I
Promotion Period I
Units 1 to 6
Unit 9: Introduction to the Patient

Promotion Period II
Units 7 and 8
Unit 9: Introduction to the Practice of Dentistry

PRECLINICAL STUDIES – CYCLE II
Promotion Period III
Unit 10 Oral Health
Unit 11 Oral Disease
Unit 12 Management of Oral Disease
Unit 13 Dental Public Health

CLINICAL STUDIES – CYCLE III
Promotion Period IV
Clinical Studies in third year

Promotion Period V
Clinical Studies in fourth year

4.3.1 Student Promotion

All issues related to student promotion and graduation are the responsibility of the Student Promotions Committees.

In the first 16 months of the program (Promotion Periods I and II), students' conduct and promotion is governed by the rules and regulations of the Faculty of Medicine as outlined in their "Student information Manual".

The Faculty of Dentistry Student Promotions Committee reviews students progress for Promotion Periods III, IV and V. Decisions taken by the Student Promotions Committee may be reviewed at any time upon receipt of substantive, new information.

The following rules and regulations apply to Promotion Periods III, IV and V.

In order to qualify for advancement, a student must attain a grade of C+ or higher in each unit or course and a GPA of 2.9 or higher.

PROMOTION PERIOD III – CYCLE II – PRECLINICAL STUDIES

Evaluation will be reflective of the objectives of the individual units. The evaluation system for each unit will be outlined in detail at the start of the unit. A student must complete both the didactic and practical/clinical components in each unit. In the units where the examinations have been divided into sections, the student must pass each section to complete the unit. A student who receives an overall passing grade but fails one or more sections will be asked to take a remedial program in the sections involved.

A student must complete all units successfully to be promoted to Promotion Period IV.

PROMOTION PERIOD IV – CYCLE III – THIRD YEAR

Evaluation will be reflective of the objectives of the individual courses. The evaluation system for each course will be outlined in detail at the start of the course. A student must complete all courses successfully to be promoted to Promotion Period V.

A student receiving a failing evaluation for the course Clinical Practice DENT310 may be placed on "Probationary Status" during Promotion Period IV. Probationary status implies that a student requires specific attention in order to address areas of weakness. The Promotions Committee automatically reviews the progress of a student placed on probation, and will determine the subsequent course of action. Options include returning to the normal curriculum, repeat of the promotion period, or required withdrawal..

PROMOTION PERIOD V – CYCLE III – FOURTH YEAR

Evaluation will be reflective of the objectives of the individual courses. The evaluation system for each course will be outlined in detail at the start of the course. A student must receive a passing grade in all courses successfully to graduate.

A student receiving a failing evaluation for the course Clinical Practice DENT410 may be placed on "Probationary Status" during Promotion Period V. Probationary status implies that a student requires specific attention in order to address areas of weakness. The Student Promotions Committee automatically reviews the progress of a student placed on probation and will determine the subsequent course of action. Options include continued probation, repeat of the promotion period, or required withdrawal.

4.3.2 Deferred Exams, Supplemental Exams and Failures

Examinations which are deferred due to documented medical problems, or other exceptional circumstances, will be taken at the earliest possible time, and at the convenience of the course director. Since August is the time set aside for supplemental examinations, students writing deferred examinations at this time forfeit the right to write a supplemental examination.

Students who pass all courses but do not obtain a GPA of at least 2.9 will be permitted to take supplemental examinations in two courses chosen in consultation with the Dean in an attempt to raise their average. If the students do not raise their GPA to at least 2.9, they will be required to repeat the year.

Students who, by the end of the regular academic year, have failed in not more that two courses will be permitted to write supplemental examinations in the course(s) failed, with the exception of the *Clinical Practice* courses. Students who are unsuccessful in a supplemental examination, or their GPA for all courses remains below 2.9, they will be required to repeat the year. Students who fail in a course comprising laboratory or clinical components may be required to fulfil prescribed additional laboratory or clinical work before presenting themselves for supplemental examinations. A fee may be attached to these requirements. These requirements will not be considered as a substitute for the supplemental examination itself.

Supplemental examinations will be held during the month of August. Applications for supplemental examinations must be made to the Administrative Assistant (Student Affairs) at least 10 days before the date set for supplemental examinations and must be accompanied by a fee of $35 for each examination. This fee must be paid before a student is permitted to write the supplemental examination. Students who were unsuccessful in a course comprising a theoretical and practical/clinical component will have the option of attempting supplemental examinations in both components. Students will not be permitted to choose a third course in order to raise their GPA to 2.9 or higher.

A student who is repeating a year must attain, during the regular academic year, passing final grades of C+ or higher in each course/section and a GPA of 2.9 or higher. If this standard is not achieved the student will be required to withdraw from the Faculty without recourse to further supplemental examinations. A student who has repeated one year in the Faculty is ineligible to repeat another year.

A student who has failed in three or more courses by the end of the regular academic year will be required to withdraw from the Faculty.

Notwithstanding any of the above, the Faculty reserves the right to require the withdrawal of a student at any time if the student has displayed unprofessional conduct or demonstrates incompetence.

Though not exhaustive, such matters as failure to show respect for patients, failure to maintain good personal hygiene, failure to assume responsibility for actions taken, failure to adhere to the Codes of Ethics of the Canadian Dental Association or of l'Ordre des Dentistes du Québec as they apply to students, patient abuse, or rendering any act on a patient which is considered harmful and which jeopardizes the patient's welfare may be taken into consideration. The procedures to be followed in such instances are found in the bylaws of the hospitals through which students rotate.

4.3.3 Reread policy

Consultation
In accordance with the Charter of Student Rights, and subject to the conditions stated therein, "every student has the right to consult any written submission for which he or she has received a mark and a right to discuss this submission with the examiner". Students have seven calendar days after receiving their mark to ask for a consultation. Requests for consultations should be addressed directly to the examiner. The examiner has the option of meeting with the student to answer any questions that the student may have about the grading of the paper, or may supply the student with the correct answers to the examination questions in writing. The student may review these in the presence of the Faculty member or designate, but may not take any document away.

Verification
In a case where a student feels that an error has been made in arriving at the final grade, the student can request that the examiner verify that all questions have been marked and that the final grade has been computed correctly.

Reread
In accordance with the Charter of Student Rights, students have the right, subject to reasonable administrative arrangements, "to an impartial and competent review of any mark". The request for a reread must be received within seven calendar days after the consultation. A $35 fee for reread will be charged to the student's McGill account. This will be reimbursed if there is a change upwards in the letter grade for the course.

The request for a formal reread must be made by the student, in writing, to the Faculty of Dentistry, Office of the Administrative Assistant (Student Affairs), and include reasons to justify the request. It must include a statement that the student has already met with the examiner to review the mark or indicating why this has not been possible. In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. Rereads for computer-scored examinations are not possible, but students may ask for a verification. There are no re-evaluations of oral examinations and laboratory examinations.

A list of possible re-readers will be obtained by the Office of the Administrative Assistant (Student Affairs) by contacting the Director of the Division involved in the reread. The Associate Dean (Academic Affairs) selects the second reader. The Office of the Administrative Assistant (Student Affairs) conducts all communication with second reader. The second reader is given the original documents, with marginalia, summary comments, and mark intact, as well as pertinent notes from the first examiner describing issues such as the general nature of the course or the assignment and grading schemes. The student's and the instructor's name are blanked out to reduce the possibility of prejudice, and to help meet the requirements of the Charter of Student Rights. The re-reader's name will not be made known to the student or examiner at any time. The second reader will provide an assessment of the work, in writing, to the Faculty of Dentistry. This assessment will also be transmitted to the first examiner.

As a result of the reread process, the grade may become higher, lower or remain unchanged. The grade submitted by the second reader replaces the original grade and cannot be challenged. The new grade will be communicated to the student in a letter from the Office of the Administrative Assistant (Student Affairs) with a copy to the first examiner.

4.3.4 Appeals

Appeals of a Student Promotions Committee decision may be made only if procedural fairness was not observed or if the student was required to withdraw from the Faculty. Students must submit their appeal, in writing, to the Dean within five working days of having been notified of the matter which is being appealed. The Dean shall decide to either uphold or reverse the decision of the Student Promotions Committee.

4.4 Grade Point Average (GPA)

The Faculty of Dentistry has adopted a grade point average system similar to the one used by the undergraduate faculties. Official transcripts will show the letter grade and the class average for each course offered by the Faculty of Dentistry.

Listed below are the letter grades and their grade point equivalents:

Grades	Grade Points	Numerical Scale of Marks
A	4.0	85 - 100%
A-	3.7	80 - 84%
B+	3.3	75 - 79%
B	3.0	70 - 74%
B-	2.7	65 - 69%
C+	2.3	60 - 64%
F (Fail)	0	0 - 59%

Letter grades are assigned grade points according to the table shown above. Class standing will be determined on the GPA computed by using the following formula:

$$\text{GPA} = \frac{\text{Sum of (Grade Points x Weight of Course) for each result}}{\text{Sum of Weights of all courses included in the calculation}}$$

4.5 University Regulations Concerning Final Examinations

Listed below are University Regulations which were approved by Senate on September30th, 1987 and which have been modified for the Faculty of Dentistry.

1. These Regulations shall apply to courses that are evaluated by the use of written examinations. They shall not apply to clinical, laboratory, and seminar courses, or to other courses that are evaluated solely by means of a paper or project.
2. Written examinations (including take-home examinations) shall not be held during the last two weeks of scheduled classes prior to a scheduled examination period, except where a pattern of continuous evaluation has been established, in which case the total value of examinations given in this period shall comprise no more than 10% of the final mark.

   The dates of the scheduled examination periods in the Faculty of Dentistry are listed in the timetables which are given to the students at Faculty Registration.
3. If the written examinations in a course constitute 50% or more of the final mark, one of these shall be given as a final written examination; and it shall take place during the examination period after the last day of scheduled lectures.
4. A final examination given during the scheduled examination period shall be worth at least 25% of the final mark.
5. Students shall be informed of all course requirements at the beginning of the course. All term work shall be assigned early enough in the term for students to complete the assignment(s) by the last day of class.
6. The due date for term work in courses to which these Regulations apply shall be no later than the last day of classes.
7. In full year courses, instructors who wish to give a mid-year examination must schedule it in the formal examination period.
8. The principles enunciated in these Regulations shall be applied, appropriately modified, to courses given in other faculties that do not follow the normal University timetable.
9. Individual faculties may propose variations in these Regulations to the Academic Policy and Planning Committee in order to meet their special needs.
10. These Regulations, and any variations to them, shall be made known to students by each faculty.

4.6 Attendance

Students must attend all lectures, seminars, small groups, laboratories, clinical sessions, and rotations.

Attendance is mandatory for small groups, clinical sessions, and rotations.

Students who have failed to attend 75% of the lectures, seminars, or laboratories in any course/unit may be refused the right to attempt the final examination in that course. Students failing to attend the required number of clinical practice sessions, as described in the course outline, will not be considered for promotion.

4.7 Qualifications for the Degree

1. Candidates for the degree of Doctor of Dental Medicine shall have attended courses of instruction for four full academic years in the Faculty of Dentistry of this University, except for students who are granted Advanced Standing.
2. Every candidate for the degree shall provide evidence of satisfactory completion of all of the required subjects which comprise the dental curriculum.

5 Courses of Instruction

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

5.1 Cycle I – Basis of Medicine and Dentistry

UNIT 1 –
INDS 101 MOLECULES, CELLS AND TISSUES. (6) This unit will examine the biosynthesis and assembly of macro-molecules with emphasis on cell and tissue organization and function. The structure and organization of the skin, nerves and the embryo will be surveyed in detail and used as model systems to study the major biochemical, physiological, genetic and molecular principles of cells.

UNIT 2 –
INDS 103 GAS, FLUID AND ELECTROLYTES. (14) This unit will discuss the embryological development, gross anatomy, histology and physiology of the cardiovascular, respiratory and renal systems. The biochemistry of lipids and proteins and the anatomy and physiology of the autonomic nervous system will also be covered.

UNIT 3 –
INDS 105 LIFE CYCLE. (4) This unit is designed as an introduction to the basic science that will enable the student to understand human reproduction. The embryology, histology, and anatomy of the reproductive tract will be covered. Human development from genetics, to embryo, to parturition, will be explored and how this knowledge can be applied to clinical medicine in resolving problems of infertility, fetal and maternal morbidity, and menopause.

UNIT 4 –
INDS 104 ENDOCRINOLOGY, METABOLISM AND NUTRITION. (11) This unit provides an overview of the gross and microscopic structure of the gastrointestinal tract and its accessory organs, along with a grounding in the principles of nutrition and digestion. Emphasis is also placed on those aspects of system and molecular endocrinology which regulate and integrate various metabolic activities.

UNIT 5 –
INDS 102 MUSCULOSKELETAL AND BLOOD. (6) The objectives of this unit are to study the structure and function of the components of the musculoskeletal and blood systems. The interaction of the structure and function will be examined. The embryology, macroscopic and microscopic anatomy as well as molecular structure and function relating to the musculoskeletal and blood systems will be discussed. Lectures, laboratory sessions, small group seminars as well as audio-visual presentations, multi-discipline clinically applied sessions, computer assisted instruction and independent self-directed learning will be utilized to achieve these goals.

UNIT 6 –
INDS 106 NERVOUS SYSTEM AND SPECIAL SENSES. (12) The content of this unit includes the anatomy of the head and neck and anatomical, physiological, biochemical and behavioural aspects of the organization of the nervous system and special senses. The material is presented in an integrated series of lectures and laboratory classes combined with small group clinical problem sessions designed to illustrate the clinical relevance of the material.

UNIT 7 –
INDS 207D1 (6), INDS 207D2 (6) HOST DEFENSE AND HOST/PARASITE. (Students must register for both INDS 207D1 and INDS 207D2.) (No credit will be given for this course unless both INDS 207D1 and INDS 207D2 are successfully completed in consecutive terms) Infectious diseases arise from dynamic interactions between humans and microorganisms. Using lectures, case-oriented small groups, laboratory sessions, and independent learning, an integrated overview of the basic microbiology of organisms, our immune defenses and how they may be subverted, and approaches to the prevention and control of infection will be provided.

UNIT 8 –
INDS 208 PATHOBIOLOGY TREATMENT & PREVENTION OF DISEASE. (20) This unit covers the scientific basis of the diagnosis, prevention and drug therapy of selected diseases. The organ/system approach examining pathogenesis, pathology and pathophysiology, and pharmacological principles of treatment of diseases in the individual is integrated with the epidemiology and genetics in the population.

UNIT 9 –
DENT 106J1 INTRODUCTION TO THE PATIENT. (1.7) (Students must also register for DENT 106J2 and DENT 106J3) (No credit will be given for this course unless DENT 106J1, DENT 106J2 and DENT 106J3 are all successfully completed in consecutive terms) This course addresses the psychological social dimensions of human nature in health and illness. Lectures are supplemented by small group experience to introduce students to the practice of dentistry via exposure to health care teams clinical settings and provides a forum to discuss psychosocial and ethical aspects of practice.

DENT 106J2 INTRODUCTION TO THE PATIENT. (1.7) (Prerequisite: DENT 106J1) (Students must also register for DENT 106J3) (No credit will be given for this course unless DENT 106J1, DENT 106J2 and DENT 106J3 are all successfully completed in consecutive terms) See DENT 106J1 for course description.

DENT 106J3 INTRODUCTION TO THE PATIENT. (1.6) (Prerequisite: DENT 106J2) (No credit will be given for this course unless DENT 106J1, DENT 106J2 and DENT 106J3 are all successfully completed in consecutive terms) See DENT 106J1 for course description.

DENT 207 INTRODUCTION: PRACTICE OF DENTISTRY. (2) An introduction to clinical data gathering - particularly interviewing and history taking. Lecture format followed by small group practice with tutors will be used to study doctor-patient relationships. This course follows the Introduction to the Patient course.

5.2 Cycle II – Preclinical Studies

UNIT 10
DENT 202 ORAL HEALTH. (8) Anatomy, growth and development of the oro-facial region, including the teeth, composition and function of saliva, the normal oral microflora and some physiology in relation to the oro-facial complex.

UNIT 11
DENT 203 ORAL DISEASE. (4) Caries, periodontal, pulpal and periapical diseases from their etiology to their detection, craniofacial dysmorphology and growth and development problems.

UNIT 12
DENT 204D1 (12.5), DENT 204D2 (12.5) MGMT DISEASES/DYSF OROFCL COMP. (Students must register for both DENT 204D1 and DENT 204D2.) (No credit will be given for this course unless both DENT 204D1 and DENT 204D2 are successfully completed in consecutive terms) This course addresses the management of the conditions discussed in DENT 203 as well as principles of oral medicine and radiology. It contains a heavy laboratory component

in which the students will acquire the technical skills required for treating patients.

UNIT 13

DENT 205D1 (1.5), DENT 205D2 (1.5) DENTAL PUBLIC HEALTH 1. (Students must register for both DENT 205D1 and DENT 205D2.) (No credit will be given for this course unless both DENT 205D1 and DENT 205D2 are successfully completed in consecutive terms) This course is designed to provide students with a broad understanding of the theory and principles of public health, behavioural sciences, communication skills, ethical and legal issues relevant to clinical practice. A basic understanding of the theory and practice of health promotion and the opportunities to promote oral health and prevent disease at an individual and population level will be discussed. This includes epidemiology, a knowledge of the structure and organization of the health system (in particular the key features, characteristics and issues affecting the dental care system in Canada), the theory of statistics and skills needed to apply basic statistical methods to oral health data in order to critically interpret the statistical contents of research findings, human nutrition and its implications in the prevention of dental caries.

5.3 Cycle III – Clinical Studies

5.3.1 Third-Year Courses

DENT 305J1 DENTAL PUBLIC HEALTH. (1) (Students must also register for DENT 305J2 and DENT 305J3) (No credit will be given for this course unless DENT 305J1, DENT 305J2 and DENT 305J3 are all successfully completed in consecutive terms) A short history of dentistry, the role of, and career possibilities for, dentists, geriatric dentistry, clinical nutrition, practice management, ethics and jurisprudence, with practical experience in the use of evidence-based and preventive health care techniques.

DENT 305J2 DENTAL PUBLIC HEALTH. (1) (Prerequisite: DENT 305J1) (Students must also register for DENT 305J3) (No credit will be given for this course unless DENT 305J1, DENT 305J2 and DENT 305J3 are all successfully completed in consecutive terms) See DENT 305J1 for course description.

DENT 305J3 DENTAL PUBLIC HEALTH. (1) (Prerequisite: DENT 305J2) (No credit will be given for this course unless DENT 305J1, DENT 305J2 and DENT 305J3 are all successfully completed in consecutive terms) See DENT 305J1 for course description.

DENT 310J1 CLINICAL PRACTICE/JUNIOR CLERKSHIP. (4) (Students must also register for DENT 310J2 and DENT 310J3) (No credit will be given for this course unless DENT 310J1, DENT 310J2 and DENT 310J3 are all successfully completed in consecutive terms) Introduction to clinical dentistry in a multidisciplinary environment with emphasis on information gathering, diagnosis, treatment planning and acquisition of basic clinical skills.

DENT 310J2 CLINICAL PRACTICE/JUNIOR CLERKSHIP. (4) (Prerequisite: DENT 310J1) (Students must also register for DENT 310J3) (No credit will be given for this course unless DENT 310J1, DENT 310J2 and DENT 310J3 are all successfully completed in consecutive terms) See DENT 310J1 for course description.

DENT 310J3 CLINICAL PRACTICE/JUNIOR CLERKSHIP. (4) (Prerequisite: DENT 310J2) (No credit will be given for this course unless DENT 310J1, DENT 310J2 and DENT 310J3 are all successfully completed in consecutive terms) See DENT 310J1 for course description.

DENT 311J1 ENDODONTICS. (1) (Students must also register for DENT 311J2 and DENT 311J3) (No credit will be given for this course unless DENT 311J1, DENT 311J2 and DENT 311J3 are all successfully completed in consecutive terms) Microbiology and immunology, pathology, histology, oral surgery, and dental anatomy as they apply to endodontics.

DENT 311J2 ENDODONTICS. (1) (Prerequisite: DENT 311J1) (Students must also register for DENT 311J3) (No credit will be given for this course unless DENT 311J1, DENT 311J2 and DENT 311J3 are all successfully completed in consecutive terms) See DENT 311J1 for course description.

DENT 311J3 ENDODONTICS. (1) (Prerequisite: DENT 311J2) (No credit will be given for this course unless DENT 311J1, DENT 311J2 and DENT 311J3 are all successfully completed in consecutive terms) See DENT 311J1 for course description.

DENT 313 COMMUNITY CLINICS. (1) Introduction to a variety of mobile dental delivery systems and instruction as to the merits of each system. This course will allow students to demonstrate their knowledge in oral medicine, prevention, operative dentistry, and treatment planning.

DENT 314 SUMMER CLINIC/EXTERNSHIPS. (3) Summer Clinic concentrates on the treatment and management of patients, including patients with handicaps. Externships and research projects for an equal duration are acceptable alternatives with prior approval from the course director.

DENT 315J1 ORTHODONTICS. (0.7) (Students must also register for DENT 315J2 and DENT 315J3) (No credit will be given for this course unless DENT 315J1, DENT 315J2 and DENT 315J3 are all successfully completed in consecutive terms) Basic principles of growth and development, diagnosis and treatment planning, biomechanics and basic orthodontic techniques with clinical experience in preventive, interceptive and limited corrective treatments.

DENT 315J2 ORTHODONTICS. (0.7) (Prerequisite: DENT 315J1) (Students must also register for DENT 315J3) (No credit will be given for this course unless DENT 315J1, DENT 315J2 and DENT 315J3 are all successfully completed in consecutive terms) See DENT 315J1 for course description.

DENT 315J3 ORTHODONTICS. (0.6) (Prerequisite: DENT 315J2) (No credit will be given for this course unless DENT 315J1, DENT 315J2 and DENT 315J3 are all successfully completed in consecutive terms) See DENT 315J1 for course description.

DENT 316D1 (2), DENT 316D2 (2) PEDIATRIC DENTISTRY. (Students must register for both DENT 316D1 and DENT 316D2.) (No credit will be given for this course unless both DENT 316D1 and DENT 316D2 are successfully completed in consecutive terms) Oral health, oral medicine, prevention, and management of oral disease including restorative procedures in children.

DENT 317D1 (1.5), DENT 317D2 (1.5) ORAL PATHOLOGY AND MEDICINE. (Students must register for both DENT 317D1 and DENT 317D2.) (No credit will be given for this course unless both DENT 317D1 and DENT 317D2 are successfully completed in consecutive terms) The nature, identification, and management of diseases affecting the oral and maxillofacial regions.

DENT 318J1 PERIODONTOLOGY. (1) (Students must also register for DENT 318J2 and DENT 318J3) (No credit will be given for this course unless DENT 318J1, DENT 318J2 and DENT 318J3 are all successfully completed in consecutive terms) Emphasis is on practical treatment including occlusal, sanative, curative and preventative modalities.

DENT 318J2 PERIODONTOLOGY. (1) (Prerequisite: DENT 318J1) (Students must also register for DENT 318J3) (No credit will be given for this course unless DENT 318J1, DENT 318J2 and DENT 318J3 are all successfully completed in consecutive terms) See DENT 318J1 for course description.

DENT 318J3 PERIODONTOLOGY. (1) (Prerequisite: DENT 318J2) (No credit will be given for this course unless DENT 318J1, DENT 318J2 and DENT 318J3 are all successfully completed in consecutive terms) See DENT 318J1 for course description.

DENT 319D1 (1.5), DENT 319D2 (1.5) DENTAL PHARMACOLOGY. (Students must register for both DENT 319D1 and DENT 319D2.) (No credit will be given for this course unless both DENT 319D1 and DENT 319D2 are successfully completed in consecutive terms) A study of the drugs that have special application to dentistry including general anaesthesia.

DENT 320J1 RESTORATIVE DENTISTRY. (2.33) Diagnosis, treatment planning and restorative procedures to prevent deterioration of healthy teeth and to restore diseased, damaged, worn or lost teeth by means of direct and indirect operative restorations, and fixed, removable and implant prosthodontics.

DENT 320J2 RESTORATIVE DENTISTRY. (2.33) See DENT 320J1 for course description.

DENT 320J3 RESTORATIVE DENTISTRY. (2.33) See DENT 320J1 for course description.

DENT 322 IMAGE INTERPRETATION. (3) Image interpretations of various conditions affecting the head and neck region and clinical rotation in oral diagnosis and radiology.

DENT 323J1 ORAL AND MAXILLOFACIAL SURGERY. (1.33) (Students must also register for DENT 323J2 and DENT 323J3) (No credit will be given for this course unless DENT 323J1, DENT 323J2 and DENT 323J3 are all successfully completed in consecutive terms) Diagnosis and management of the oral surgical problems encountered in general practice and exodontia clinical rotation.

DENT 323J2 ORAL AND MAXILLOFACIAL SURGERY. (1.33) (Prerequisite: DENT 323J1) (Students must also register for DENT 323J3) (No credit will be given for this course unless DENT 323J1, DENT 323J2 and DENT 323J3 are all successfully completed in consecutive terms) See DENT 323J1 for course description.

DENT 323J3 ORAL AND MAXILLOFACIAL SURGERY. (1.33) (Prerequisite: DENT 323J2) (No credit will be given for this course unless DENT 323J1, DENT 323J2 and DENT 323J3 are all successfully completed in consecutive terms) See DENT 323J1 for course description.

DENT 337 CLINICAL DECISION MAKING. (2) Development of a treatment plan for patients requiring complete mouth restoration involving multidiscipline restorative procedures with an emphasis on clinical decision making.

5.3.2 Fourth-Year Courses

DENT 405D1 (1.5), DENT 405D2 (1.5) DENTAL PUBLIC HEALTH. (Students must register for both DENT 405D1 and DENT 405D2.) (No credit will be given for this course unless both DENT 405D1 and DENT 405D2 are successfully completed in consecutive terms) A short history of dentistry, the role of, and career possibilities for, dentists, geriatric dentistry, clinical nutrition, practice management, ethics and jurisprudence, with practical experience in the use of evidence-based and preventive health care techniques.

DENT 409D1 (1), DENT 409D2 (1) ADVANCED RESTORATIVE DENTISTRY. (Students must register for both DENT 409D1 and DENT 409D2.) (No credit will be given for this course unless both DENT 409D1 and DENT 409D2 are successfully completed in consecutive terms) This course will focus on didactic and theoretical aspects of the clinical management of more complex restorative challenges that the senior students might expect to encounter in their final year clinical program or in private practice following graduation.

DENT 410D1 (5.5), DENT 410D2 (5.5) CLINICAL PRACTICE/SENIOR CLERKSHIP. (Students must register for both DENT 410D1 and DENT 410D2.) (No credit will be given for this course unless both DENT 410D1 and DENT 410D2 are successfully completed in consecutive terms) Comprehensive management of patients with complex oral health needs involving all aspects of clinical dentistry.

DENT 411D1 (0.5), DENT 411D2 (0.5) ENDODONTICS. (Students must register for both DENT 411D1 and DENT 411D2.) (No credit will be given for this course unless both DENT 411D1 and DENT 411D2 are successfully completed in consecutive terms) Seminars given throughout the Fourth Year.

DENT 415D1 (1.5), DENT 415D2 (1.5) ORTHODONTICS. (Students must register for both DENT 415D1 and DENT 415D2.) (No credit will be given for this course unless both DENT 415D1 and DENT 415D2 are successfully completed in consecutive terms) Basic principles of growth and development, diagnosis and treatment planning, biomechanics and basic orthodontic techniques with clinical experience in preventive, interceptive and limited corrective treatments.

DENT 416D1 (2), DENT 416D2 (2) PEDIATRIC DENTISTRY. (Students must register for both DENT 416D1 and DENT 416D2.) (No credit will be given for this course unless both DENT 416D1 and DENT 416D2 are successfully completed in consecutive terms) This course comprises lectures, seminars reviewing pertinent literature, and clinical treatment of children at the McCall Dental Clinic. The aim of this course is to teach the students comprehensive dental care for children.

DENT 418D1 (1), DENT 418D2 (1) PERIODONTOLOGY. (Students must register for both DENT 418D1 and DENT 418D2.) (No credit will be given for this course unless both DENT 418D1 and DENT 418D2 are successfully completed in consecutive terms) Emphasis is on practical treatment including occlusal, sanative, curative and preventative modalities.

DENT 423D1 (2.5), DENT 423D2 (2.5) ORAL MAXILLOFACIAL SURGERY & PATHOLOGY. (Students must register for both DENT 423D1 and DENT 423D2.) (No credit will be given for this course unless both DENT 423D1 and DENT 423D2 are successfully completed in consecutive terms) Diagnosis and management of craniofacial developmental defects, oral disease and surgical problems encountered in dentistry and emergency and exodontia clinical rotation.

DENT 437D1 (1), DENT 437D2 (1) CLINICAL DECISION MAKING. (Students must register for both DENT 437D1 and DENT 437D2.) (No credit will be given for this course unless both DENT 437D1 and DENT 437D2 are successfully completed in consecutive terms) Development of a treatment plan for patients requiring complete mouth restoration involving multidiscipline restorative procedures with an emphasis on clinical decision making.

TABLE CLINICS
Students are required to present at least one table clinic on an approved topic while enrolled in the undergraduate program.

CARDIOPULMONARY RESUSCITATION
Students are required to participate in a CPR training session during every year of the D.M.D. program.

6 Multidisciplinary Residency Program

A multidisciplinary residency program is offered at five of the McGill teaching hospitals: the Montreal Children's Hospital, the Montreal General Hospital, the Queen Elizabeth Health Complex, the Royal Victoria Hospital, and the Sir Mortimer B. Davis-Jewish General Hospital. Positions are available each year starting July1.

In order to be considered for a residency position, candidates who have not graduated from high school in the Province of Quebec must have successfully fulfilled the French Language test of the Office de la langue francaise before applying.

Applicants for these positions must submit their applications to the Faculty by September 30 of the previous year. Further details may be obtained by writing to the Multidisciplinary Residency Program at the Faculty of Dentistry, McGill University, 3640 University Street, Montreal QC H3A 2B2 or visiting the Web site at www.mcgill.ca/dentistry.

Applicants must hold a licence to practise dentistry in Quebec or be graduates from an accredited Canadian or American Dental School.

Residents enrolled in the McGill Multidisciplinary Residency program will participate in a Conscious Sedation Program. This course consists of didactic and practical components designed to provide participants with experience in the selection and application of various modalities of intravenous, oral and inhalation conscious sedation. Certification in Advanced Cardiac Life Support as well as an anesthesia rotation are obligatory components of this course. Successful completion of all aspects of this course and documentation of appropriate numbers of cases will qualify interested individuals to sit for an examination leading to certification.

7 Graduate Programs

7.1 Programs Offered

M.Sc. in Dental Sciences
The goal of this program is to train students in research in the dental sciences which comprise a number of disciplines relating to the functioning of the oro-facial complex.

Please consult the Graduate Secretary, Faculty of Dentistry, for further details.

M.Sc. in Dental Sciences,
option in Oral and Maxillofacial Surgery
A residency training program in Oral and Maxillofacial Surgery provides a candidate with a comprehensive background for the practice of Oral and Maxillofacial Surgery as a specialty.

During the four years of the program the candidate serves as a resident principally at the Montreal General Hospital. During this time the resident is given increasing responsibility for the care of in-patients and out-patients, as well as being required to fulfill certain basic science courses and other assignments. A research project must be undertaken, followed by a Master's thesis.

The program is open to one candidate per year.

7.2 Admission Requirements

M.Sc. in Dental Sciences
Students who have successfully completed the D.D.S./D.M.D. degree or a B.Sc. degree with a CGPA of 3.0 on 4.0 in any of the disciplines in the Health Sciences (Anatomy, Biochemistry, Microbiology and Immunology, Physiology) or related disciplines (Biology, Chemistry, Physics, Psychology) are eligible to apply for admission to a graduate program in the Faculty of Dentistry leading to the M.Sc. degree in Dental Sciences. In addition to submitting GRE scores, TOEFL tests must be passed in the case of non-Canadians whose mother tongue is not English.

The number of candidates accepted each year will depend on the elective courses and research facilities available which are applicable to the candidate's area of expertise.

M.Sc. in Dental Sciences,
option in Oral and Maxillofacial Surgery
Candidates for this program must possess a D.D.S. or D.M.D. degree or its equivalent, and be acceptable to l'Ordre des Dentistes du Québec as a training candidate in a hospital.

7.3 Application Procedures

McGill's on-line application form for graduate program candidates is available at www.mcgill.ca/applying/graduate.

M.Sc. in Dental Sciences
All applications must include an up-to-date official transcript of academic performance, two letters of recommendation and a brief resume indicating their particular field of interest for the M.Sc. degree. B.Sc. students who have not obtained eligible qualifications will be required to make up for deficiencies in their academic profile by taking a qualifying year.

Students must be accepted by a research director before the Faculty approves the application, prior to final acceptance by the Graduate and Postdoctoral Studies Office.

Applications may be obtained by writing to the Graduate Program in Dental Sciences, Faculty of Dentistry.

Deadlines for receipt of the application on-line are as follows:
Fall Term – March 1
Winter Term – September 1
Summer Term – November 1

M.Sc. in Dental Sciences,
option in Oral and Maxillofacial Surgery
Applications must be submitted by September 15.

Information for financial support for this program may be obtained by writing to Dr. T.W. Head, Director of the program.

Further information may be obtained by writing to Graduate Program in Oral and Maxillofacial Surgery, Faculty of Dentistry.

7.4 Program Requirements

All students who are registered in Graduate Clinical Programs in the Faculty of Dentistry, McGill University, and who are not already registered with l'Ordre, must register with l'Ordre des Dentistes du Québec. Further information may be obtained from the Registrar of l'Ordre des Dentistes du Québec, 625 René-Lévesque Boulevard West, 15th Floor, Montreal, QC H3B1R2.

M.SC. IN DENTAL SCIENCES
The M.Sc. degree should normally be completed within two years of full-time study.

Required Courses (8 credits)

EPIB607	(4)	Inferential Statistics (or equivalent course)
DENT671D1	(2)	Advanced Research Seminar
DENT671D2	(2)	Advanced Research Seminar

Complementary Courses (8 – 14 credits)
chosen from the following:

ANAT632D1	(3)	Experimental Morphology
ANAT632D2	(3)	Experimental Morphology
ANAT663D1	(4.5)	Histology
ANAT663D2	(4.5)	Histology
BIOC404	(3)	Biophysical Chemistry
BIOC450	(3)	Protein Structure and Function
BIOC454	(3)	Nucleic Acids
BIOC456	(3)	Biochemistry of Membranes
BIOL524	(3)	Topics in Molecular Biology
DENT562	(3)	Calcified Tissues
DENT654	(3)	Mechanisms and Management of Pain
EPIB606	(4)	Introduction to Epidemiology
EPIB611	(3)	Study Design and Analysis 1
EPIB621	(3)	Data Analysis Health Sciences 1
EPIB635	(3)	Clinical Trials
EPIB655	(3)	Epidemiology in Public Health
EPIB681	(3)	Data Analysis Health Sciences 2
EXMD610	(3)	Biomedical Methods in Medical Research
POTH630	(3)	Measurement: Rehabilitation 2
PSYC505	(3)	The Psychology of Pain

Other complementary courses in the University may be taken with the approval of the supervisor or research director.

Thesis Research Courses (24 – 30 credits)
The required number of Master's thesis credits (minimum 24) will be made up from among the following:

DENT650	(3)	Thesis Research 1
DENT651	(6)	Thesis Research 2
DENT652	(9)	Thesis Research 3
DENT653	(15)	Thesis Research 4

M.SC. IN DENTAL SCIENCE, OPTION IN ORAL AND MAXILLOFACIAL SURGERY (46 credits)

Duration: Four calendar years commencing July 1.

Students will register in the four-year graduate-training program, which leads to a McGill Certificate of Residency Training. They will concurrently register with the Graduate and Postdoctoral Studies Office during the Third and Fourth years of the program and complete the requirements for the M.Sc. degree during these two years.

Required Courses (16 credits)

DENT631	(3)	OMFS 2 Seminar
DENT632	(3)	Clinical OMFS 2
DENT641	(3)	OMFS 3 Seminar
DENT642	(3)	Clinical OMFS 3
EPIB607	(4)	Inferential Statistics (or equivalent course)

Thesis Component – Required (30 credits)
DENT651 (6) Thesis Research 2
DENT652 (9) Thesis Research 3
DENT653 (15) Thesis Research 4

7.5 Courses for the M.Sc. in Dental Sciences

Students preparing to register should consult the Web at www.mcgill.ca/minerva (click on Class Schedule) for the most up-to-date list of courses available; courses may have been added, rescheduled or cancelled after this Calendar went to press. Class Schedule lists courses by term and includes days, times, locations, and names of instructors.

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.

Denotes courses not offered in 2004-05.

DENT 504 BIOMATERIALS AND BIOPERFORMANCE. (3) Biological and synthetic biomaterials, medical devices, and the issues related to their bioperformance. The physicochemical characteristics of biomaterials in relation to their biocompatibility and sterilization.

DENT 631 OMFS 2 SEMINAR. (3)

DENT 632 CLINICAL OMFS 2. (3)
May be offered as: DENT 632D1 and DENT 632D2.

DENT 650 THESIS RESEARCH 1. (3) Independent work under the direction of a supervisor on a research problem in the student's designated area of research: Literature Review and Hypothesis Generation.

DENT 651 THESIS RESEARCH 2. (6) Independent work under the direction of a supervisor on a research problem in the student's designated area of research: Literature Review and Protocol Development.

DENT 652 THESIS RESEARCH 3. (9) Independent work under the direction of a supervisor on a research problem in the student's designated area of research.
May be offered as: DENT 652D1 and DENT 652D2.

DENT 653 THESIS RESEARCH 4. (15) Independent work under the direction of a supervisor on a research problem in the student's designated area of research: Data Analysis & Thesis Preparation.
May be offered as: DENT 653D1 and DENT 653D2 or DENT 653J1, DENT 653J2 and DENT 653J3.

DENT 654 MECHANISMS AND MANAGEMENT OF PAIN. (3) (Open to all health professionals) Presentation of the neurobiology of pain and analgesia, clinical pain conditions, basic and applied research methods in the study of pain, and the theory and practice of pain management. The course is designed for graduate students interested in pain mechanisms and clinical residents interested in pain management.

DENT 671D1 ADVANCED RESEARCH SEMINAR. (2) Topics in current research in Oral Health Sciences.
DENT 671D2 ADVANCED RESEARCH SEMINAR. (2)
May be offered as: DENT 671 or DENT 671N1 and DENT 671N2

8 Continuing Dental Education

Associate Professor — R.J.C. DAVID

CREDIT COURSES

At periodic intervals, the Faculty sponsors courses in Continuing Dental Education which are recognized for Continuing Dental Education credits by dental licensing bodies.

Generally the Faculty offers a series of courses in various clinical and basic sciences related to dentistry. These are provided in both small and larger group sessions to enhance the learning process. The courses are designed to meet the needs of dental practitioners and researchers, to keep them abreast of current concepts and practices and to make them aware of recent advances in dental science.

Enquiries should be directed to the Director of Continuing Education, Faculty of Dentistry, McGill University, 3640 University Street, Montreal, QC, H3A2B2.
E-mail: conted.dentistry@mcgill.ca

9 Academic Staff

Emeritus Professors
Kenneth C. Bentley; D.D.S., M.D., C.M.(McG.), Cert.Oral Surg.(N.Y.U. Bellevue), F.I.C.D., F.A.C.D., F.R.C.D., Hon. F.R.C.D.(C), F.I.D.S.A., F.P.F.A.
Eddie C.S. Chan; B.A., M.A.(Texas), Ph.D.(Maryland), F.A.A.M.
Mervyn Gornitzky; B.Sc., D.D.S.(McG.)
Harry Rosen; B.Sc., D.D.S.(McG.), F.I.C.D., F.A.C.D., M.R.C.D.(C), F.A.D.I.

Professors
Catherine M. Bushnell; B.A.(Maryland), M.A., Ph.D.(American)
Fernando Cervero; M.B., Ch.B., Ph.D.(Madrid), D.Sc.(Edinburgh)
Jocelyne S. Feine; D.D.S., M.S.(Texas), H.D.R.(Auverne)
James P. Lund; B.D.S.(Adelaide), Ph.D.(W.Ont.)
Charles E. Smith; D.D.S., Ph.D.(McG.)

Associate Professors
Paul J. Allison; B.D.S., F.D.S.R.C.S., M.Sc.(Lond.), Ph.D.(McG.)
J.Barralet; Ph.D., IRC (Lond.)
Gary Bennett; B.A.(Rutgers), M.A., Ph.D.(Virginia)
John V. Blomfield; B.D.Sc.(Melbourne), D.D.S., Dip.Pros.(Rest.Dent.)(McG.), M.Sc.(Lond.), Cert. M.F.P.(M.C.V.-V.C.U.), F.R.C.D.(C), F.I.C.D., F.A.C.D.
Herb Borsuk; D.D.S.(McG.), M.Sc.D., Cert. Endo.(Boston), F.R.C.D.(C) F.I.C.D., F.A.C.D.
Peter J. Chauvin; B.Sc., D.D.S.(McG.), M.Sc.(W.Ont.), F.R.C.D.(C)
Antoine Chehade; B.Sc., D.D.S., M.Sc.(McG.)
Marie E. Dagenais; D.M.D.(Montr.), Dip. Rad.(Tor.)
Robert J.C. David; D.D.S.(McG.), F.I.C.D., F.A.G.D.
George Harasymowycz; B.Sc.(Loyola), D.D.S., Dip.Pros.(Rest.Dent.)(McG.), M.S.D., Cert. Fixed & Remov. Part. Pros.(Ind.)
Timothy W. Head; B.Sc.(Sir G.Wms.), D.D.S., M.Sc.(McG.), F.R.C.D.(C), Dipl. A.B.O.M.S.
E. Melvyn Hershenfield; B.Sc., D.D.S.(McG.), M.Sc.D.(Boston), F.R.C.D.(C), F.I.C.D., F.A.C.D.
Pierre Lamontagne; B.A., D.M.D.(Montr.), M.S.(Mich.), M.R.C.D.(C)
Harvey L. Levitt; B.Sc., D.D.S.(McG.), Cert.Ortho.(Montr.), F.R.C.D.(C), F.I.D.S.A., F.I.C.D., F.A.C.D.
Marc D. McKee, B.Sc., M.Sc., Ph.D.(McG.)
Stephen I. Miller; D.D.S.(McG.), M.S., Cert.Ortho.(Oregon), Dipl.A.B.O., F.A.C.D., F.R.C.D.(C)
Philippe Mojon; D.M.D.(Geneva), M.Sc.(Neuchatel), Ph.D.(Geneva)
Frederick I. Muroff; B.Sc., D.D.S.(Mich.), M.Sc., Cert.Perio., Cert.Endo.(Boston), F.R.C.D.(C), F.I.C.D., F.A.C.D.
Eli Raviv; D.M.D.(Tel Aviv)
William D. Sanders; B.Sc.(Sir G.Wms.), D.D.S.(McG.), F.I.C.D.
Melvin Schwartz; B.Sc., D.D.S.(McG.), F.I.C.D.
Stéphane Schwartz; D.M.D.(Montr.), M.Sc., Cert.Pedo.(Boston), F.I.C.D., F.A.C.D.
Edward D. Shields; B.Sc., D.D.S., Ph.D.(Ind.)
Edward Slapcoff; B.Sc., D.D.S.(McG.), F.R.C.D.(C)
Maryam Tabrizian; D.E.A.(Master), Ph.D.(Paris), M.B.A.(Montr.)
Louis Z.G. Touyz; B.D.S., M.Sc.(Dent), M. Dent(POM) (Witwatersrand)
Martin T. Tyler; B.S.(Ohio), D.D.S.(Howard), M.A.(G.Wash.), Dipl.A.B.O.M., Dipl.A.B.O.M.R., F.A.C.D.

Morris H. Wechsler; B.Sc., D.D.S.(McG.), Cert.Ortho.(Montr.), F.R.C.D.(C), F.I.C.D., Dipl.A.B.O.

Assistant Professors

C. Bedos; D.D.S. (Paris), M.Sc., Ph.D. (Montr.)
Peter G. Ayoub; B.Sc., D.D.S.(McG.)
Lucie Billette; D.D.S.(McG.), M.Sc.(Montr.)
Sylvio Caro; B.A., D.D.S(McG.), Cert.Pros.(Tor.)
John G. Drummond; D.D.S.(McG.)
Aaron Dudkiewicz; B.Sc., D.D.S.(McG.), Cert.Pedo.(Eastman Dental)
J. Richard Emery; D.D.S.; M.Sc.,(McG.), F.R.C.D.(C), Dipl.A.B.O.M.S.
John D. Fenwick; B.Sc., D.D.S.(McG.)
John R. Fong Chong; B.Sc.(St. F.X.), D.D.S.(McG., F.I.C.D.
Gary L. Freedman; D.D.S.(McG.), M.S.D.(Wash.), F.R.C.D.(C), Dipl. A.B.O.M.S.
Irwin M. Fried; D.D.S.(McG.), M.Sc. Pedo.(Minn.)
M.T. Kaartinen; M.Sc.(Jyväskylä), Ph.D.(Kuopio, Finland)
Gerald M. Konanec; D.D.S.(McG.)
Sidney Konigsberg; B.Sc., D.D.S.(McG.), M.S., Cert.Ortho.(Tufts), Dipl. A.B.O., F.R.C.D.(C)
Paul H. Korne; D.D.S.(McG.), M.Cl.D.(W. Ont.)
Hervé Le Moual; D.E.A., M.Sc.(Paris), Ph.D.(Montr.)
Irwin Margolese; B.Sc., D.D.S.(McG.), F.I.D.S.A., F.A.D.I.
Norman M. Miller; B.Sc., D.D.S.(McG.)
Robert Miller; B.Sc.(C'dia), D.D.S.(McG.)
Jeffrey M. Myers; B.Sc., D.D.S.(McG.)
Julia R. Pompura; D.D.S.(McG.), Dip. Oral & Maxillofacial Surg.(Tor.)
Leonard Prosterman; B.A., D.D.S.(McG.), M.S.D., Cert.Ortho.(Temple), F.R.C.D.(C)
Charles Rawas; B.Sc., D.D.S., Dip.Pros.(Rest.Dent.)(McG.)
Jean-Marc Retrouvey; D.M.D.(Montr.), M.Sc.(Boston)
David S. Shapiro; B.A., D.D.S.(McG.), M.S.(Iowa)
Jack Sherman; D.D.S.(McG.), Cert. Oral Surg.(Boston)
Mortimer D. Shizgal; B.Sc., D.D.S.(McG.)
I. Ike Silver; B.A., D.D.S.(McG.)
Bernard Slimovitch; B.Sc., D.D.S.(McG.)
Mark Spatzner; B.Sc.(McG.), D.M.D.(Montr.), Dip.Perio.(Tor.)
Myron Stein; B.Sc., D.D.S.(McG.), F.A.D.I.
Barry Sternthal; B.A.(Loyola), D.D.S., M.Sc.(McG.)
Donald Taylor; D.D.S.(McG.), M.Cl.D.(W.Ont.), Dipl.A.B.O., F.R.C.D.(C), F.I.C.D.
Marcel Tenenbaum; B.Sc., D.D.S.(McG.), M.Sc.(Montr.)
S.tran; D.M.D., Cert. Perio, Ph.D. (Minn.)
C. Linda Wiltshire; B.Sc.(Montr.), D.D.S.(McG.)
Lorne A. Wiseman; B.Sc., D.D.S.(McG.), Dip.Perio.(Tor.)
Michael A. Wiseman; B.Sc.(C'dia), D.D.S.(McG.)
Peter M. Woolhouse; B.A.(Queen's), M.Ed.(Bishop's), D.D.S.(McG.)

Faculty Lecturers

Milene Abadi; D.M.D.(Montr.)
Emanuel Alvaro; D.D.S.(McG.), M.Sc.(Harv.)
Normand Aubre; D.M.D.(Montr.), Cert.Endo.(Boston)
Michael C. Auerbach; B.Sc., D.D.S.(McG.), M.Sc.D., Cert.Endo.(Boston), C.A.G.S.
Gloria Baranowski; B.Sc.(McG.), D.M.D.(Montr.)
Veronique Benhamou; B.Sc., D.D.S.(McG.), M.Sc. Perio.(Boston)
Tibor Bertalen; D.M.D.(Montr.)
David Blair; B.Sc., D.D.S.(McG.)
Michel Bonin; B.A.(St. Laurent), D.M.D.(Montr.), Cert.Pedo.(U.C.L.A)
Ernest C. Burman; B.Sc., D.D.S.(McG.)
John R. Calder; B.Sc.(Sir G. Wms.), D.D.S.(McG.)
Vicken Chamlian; D.M.D.(Montr.)
Patrick Champagne; D.M.D., Cert. Prosth.(Montr.)
Louis-René Charette; D.M.D., Cert.Pedo.(Montr.)
Eric Chatelain; D.M.D.(Montr.)
Sampa Chileshe-Manigat; B.Sc.(Maryland), D.D.S.(Howard)
Robert Clark; B.Sc., D.D.S.(McG.)
Thuy T. Co; D.M.D.(Montr.)
Donald G. Collins; B.Sc.(Sir G.Wms.), D.D.S.(McG.)
Treena E. Coull; D.D.S.(McG.)
Lawrence Cramer; B.Sc., D.D.S.(McG.)
Ilona Csizmadi; B.A.(Ryerson), M.Sc.(Montr.)
Patrice Dagenais; D.M.D.(Montr.)
Satwant Dhanoa; D.M.D.(McG.)
Laurentia De Vreeze; B.Sc., D.D.S.(McG.)
Julie Drakoulakou; B.Sc., D.D.S.(McG.)
Cyndie Dubé-Baril; D.M.D.(Montr.)
Jean-Marc Dumoulin; D.M.D., Cert.Ortho.(Montr.)
Jane E. Eisenhauer; B.Sc.(Acadia), D.D.S.(McG.)
Pamela Venetia Eisenhauer: D.D.S.(McG.)
Ghassan El-Onsi; D.D.S.(McG.)
Jeff Erdan; B.Sc., D.D.S., Cert. Oral Surg.(McG.)
Emilia Espiritu; D.M.D.(U.East Manila)
Allan Etcovitch; B.Sc., D.D.S.(McG.)
Pierre Faubert; M.Ed.(Psych.Couns.), Cert.Educ.(UQAM)
Yanis Felemegos; B.Sc, B.Sc.(Nutr.Sc.)(McG.)
Alex Fischel; D.D.S.(McG.)
Susan Fletcher; L.D.S.(Guy's), D.D.S.(McG.)
Claudia Giambattistini; D.D.S.(McG.), Dip.Ortho.(Tor.)
Rosalinda Go; D.D.S.(East), Cert. Ortho.(Montr.)
Aron Gonshor; B.Sc., D.D.S., Ph.D.(McG.), F.R.C.D.(C)
Carla Grilo; B.Sc., D.D.S.(McG.)
Joshua Haimovici; B.A.(Yeshiva), D.D.S.(McG.)
C.W. Herten-Greaven; B.Sc., D.D.S.(McG.), F.A.G.D., F.A.D.I.
Ira D. Hoffman; B.Sc., D.D.S.(McG.)
Sirus Homayun; D.M.D.(Istanbul), D.D.S.(McG.)
Judy Horvath; B.Sc.(Ott.), D.D.S.(McG.)
George J. Hwang; B.Sc., D.D.S.(McG.)
Dennis Kaloyannis; D.D.S.(McG.), M.Sc.(Boston)
Spiro P. Kanatselis; D.D.S.(McG.)
Athanasios (Tommy) Karamitsos; B.Sc., D.D.S.(McG.)
Earl R. Karanofsky; B.Sc., D.D.S.(McG.)
Mona Karazivan; D.M.D., Dip. Rest. Dent.(Montr.)
Isaac M. Katz; B.Sc., D.D.S.(McG.), M.Sc.(Boston)
Frank A. Kay; B.Sc.(Loyola), D.D.S.(McG.), M.B.A.(C'dia)
Levon Kichian; B.Sc., D.D.S.(McG.)
Taras Konanec; D.D.S.(McG.)
Rosanne Kozloff; B.Sc., D.D.S.(McG.), Cert.Endo.(Tufts)
George Kyritsis; D.M.D.(Montr.) Cert.Ortho.(Boston)
Steven A. Krychman; D.D.S.(McG.), Cert.Perio.(Tufts)
Jonathan Lang; B.Sc., D.D.S.(McG.)
Colette R. Leb; B.Sc., D.D.S.(McG.)
Tue Le Duc; D.M.D.(Montr.)
Yu Kwong Li; D.D.S.(McG.)
Paul Lieberman; D.D.S.(McG.), Cert.Endo.(S.U.N.Y.)
George Limantzakis; D.D.S.(McG.)
Panagiotis Limniatis; B.Sc.(C'dia), D.D.S.(McG.)
Jeff Macklan; B.Sc., D.D.S.(McG.)
Sabrina Mancini; B.Sc., D.D.S.(McG.), Dip.Perio.(Tor.)
Ken Marenco; D.D.S.(McG.)
Oliver Mark; D.D.S.(McG.)
Annie Marleau; D.M.D.(Montr.)
Michael Mechanic; B.Sc., D.D.S.(McG.)
Gerard Melki; B.Sc.(Am. U. Beirut), D.D.S.(McG.)
Jack C.M. Ng; D.D.S.(McG.)
Dac-Thang Nguyen; D.D.S.(McG.)
Kim-Lan Nguyen; B.Sc.(Lyon), D.D.S.(Paris), Cert.Oral Surg.(Tufts)
George Papanastasoulis; D.M.D.(Laval), M.Sc.(Montr.)
O.C. Neil Peloso; B.Sc., D.D.S.(McG.)
Luc Prévost; D.D.S.(McG.)
Beth G. Prosterman; D.D.S.(McG.), Cert. Ortho.(Penn.)
Brenda M. Puchinger; B.Sc., D.D.S.(McG.)
Harry Rajchgot; B.Sc., M.Sc., D.D.S.(McG.)
Warren M. Retter; B.Sc., D.D.S.(McG.)
Matthew A. Reutcky; B.Sc., D.D.S.(McG.), F.I.C.D., F.A.D.I.
Sergio Rico-Vargas; D.D.S.(McG.)
Gordon L. Roberts; D.D.S.(McG.), M.Sc., Cert.Pedo.(Ohio)
André Ruest; B.Sc.(McG.), D.M.D.(Montr.), M.Sc.(Penn.)
Kelly Sam Chu; D.D.S.(McG.)
Bruce A. Schneider; B.Sc.(McG.), A.M.(Ind.), D.D.S.(McG.)

Erle Schneidman; B.Sc., D.D.S.(McG.), M.S. Cert.Pedo.(Ohio State)
Maria Sgro; D.D.S.(McG.)
Salvatore Sgro; B.Sc., M.Sc., D.D.S.(McG.)
LeRoy Shaw; B.Sc., D.D.S.(McG.), Cert.Prosth.(N.Y.)
Audrey Sherman; D.M.D.(Montr.)
Madelaine Shildkraut; B.Sc.(C'dia), D.D.S.(McG.), M.Cl.D.(W.Ont.)
Michael Silver; B.Sc., D.D.S.(McG.), M.S.D.(Marquette)
Milena Simicic; D.M.D.(Montr.)
Wagdi G. Sioufi; B.Sc., D.D.S.(McG.)
Olga M. Skica; B.Sc., D.D.S.(McG.), Cert.Perio.(Wash.)
David H. Sklar, B.Sc., D.D.S.(McG.)
Gerald Sohmer; B.Sc., D.D.S.(McG.), M.Sc., Cert. Endo.(Boston)
Avrum F. Sonin; B.Sc., D.D.S.(McG.)
Jacob Tink; B.Sc.(McG.), D.M.D.(Montr.)
Trung-Hieu Tran; D.D.S.(McG.)
Achilles Tsialtas; D.M.D.(Montr.)
Yazdi S. Turner; B.D.S.(Bombay), D.D.S.(McG.)
Evangelia Valavanis; D.D.S.(McG.)
Paul Van Wijlen; D.D.S.(McG.)
Ana M. Velly; D.D.S.(Brazil), M.Sc., Ph.D.(Montr.)
Nicolino Vincelli; B.Sc.(C'dia), D.D.S.(McG.)
Duy-Dat Vu; D.M.D.(Laval), M.Sc., Cert.Pedo (Montr.)
Norman Yoffe; B.Sc. D.D.S.(McG.)

Associate Members
Eduardo L. Franco; B.Sc.(Estadual de Campinas), M.P.H., Dr.P.H.(Chapel Hill)
Erika G.Gisel; B.A.(Zurich), B.S.,M.S.,Ph.D.(Temple)
Arlette Kotla; B.Sc., M.Sc., Ph.D.(Montr.)

Adjunct Professors
Gerald Abish; D.D.S.(McG.)
Josée Bellefleur; D.M.D.(Montr.)
Tibor Bertalen; D.M.D.(Montr.)
Andrew Bourke; D.D.S.(McG.)
Anne Charbonneau; D.M.D., M.Sc., Ph.D.(Montr.)
Michael Climan; M.A.(Car.)
Marie-Claude Constance; D.M.D.(Montr.)
Louise des Noyers; B.Sc., D.M.D., Cert. Biol.(Montr.)
Bruce Dobby; B.Sc., D.D.S.(McG.)
Robert Dorion; D.D.S.(McG.)
Emilia Espiritu; D.M.D.(W.Ont.)
Yanis Felemegos; B.Sc.(McG.)
Raphael Garofalo; D.D.S.
Stefan Haas-Jean; D.M.D.(Montr.)
Marie-Josée Higgins; D.D.S.(McG.) M.Sc.(Minn.)
Marie-André Houle; D.M.D.(Montr.)
Mansour Kano; D.M.D.(Montr.)
Jon Kapala; B.S.; D.M.D.(Tufts), Cert.Pedo., Cert.Ortho.(Boston), F.A.C.D.
Christine Koran; B.Eng., D.D.S.(McG.)
George Kyritsis; D.M.D.(Montr.)
Kenneth K.S. Lee; D.D.S.(McG.), F.R.C.D.(C)
Serge Marchand; B.A.(UQAT), M.Sc.(UQTR), Ph.D.(Montr.)
D.J. Ostry; B.A.Sc., M.A.Sc., Ph.D.(Tor.)
Lise Pichler; D.M.D.(Montr.)
Hilal Sirhan; D.D.S.(McG.)
Judiann Stern; M.A.(C'dia), R.D.H.(Dal.)

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1 The Faculty

1.1 Location

Faculty of Medicine
Administrative Offices
McIntyre Medical Sciences Building
3655 Promenade Sir-William-Osler
Montreal, QC H3G 1Y6
Canada

General Information: (514) 398-3515
Admissions Information: (514) 398-3517
Web site: www.medicine.mcgill.ca

1.2 Administrative Officers

Abraham Fuks; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C) **Dean**

Philip R. Beck; A.B.(C'nell), M.D.,C.M.(McG.), F.R.C.P.(C) **Associate Dean (Admissions)**

Michael D. Rosengarten; B.Eng., M.C., F.R.C.P. **AssociateDean (Continuing MedicalEducation)**

Yvonne Steinert; B.A.(McG.), M.A.(Tor.), Ph.D.(McG.) **Associate Dean (Faculty Development)**

Robert E. MacKenzie; B.Sc.(McG.), M.N.S., Ph.D.(C'nell) **Associate Dean (Graduate Studies andResearch)**

Sam Benaroya, B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C) **AssociateDean (Interhospital Affairs)**

J.D. Boudreau; B.Sc.(Mt.All.), M.D.(Dal.), F.R.C.P.(C) **Associate Dean (Medical Education and Student Affairs)**

Jean-Pierre Farmer; M.D., C.M., F.R.C.S. (C) **AssociateDean (Postgraduate Medical Education and Professional Affairs)**

Richard H. Latt; D.V.M.(O.V.C.) **Director, AnimalResourcesCentre**

Peter McLeod; M.D.(Man), F.R.C.P.(C) F.A.C.P. **Director, Centre for Medical Education**

Pierre-Paul Tellier; B.Sc.(Ott.), M.D. (Ott.), C.C.F.P., F.C.C.P. **Director, Office of Student Affairs, Undergraduate Medical Education**

Jim Henderson; B.Sc., M.Sc., M.L.S. **Head, HealthSciencesLibrary**

1.3 History

The Faculty of Medicine was established as the first faculty of McGill University in 1829. It dates its origin to 1823 when four staff members of the recently opened Montreal General Hospital founded the Montreal Medical Institution in order to offer lectures to students of medicine. In 1833, four years after the Institution became the Faculty of Medicine, William Leslie Logie was awarded the degree of Doctor of Medicine and Surgery and became the first McGill, and the first Canadian medical, graduate. In 1862 the degree was changed to its present designation, Doctor of Medicine and Master of Surgery (M.D.,C.M.) and in 1872 it was conferred upon the Faculty's most illustrious graduate, William Osler. Osler served on the faculty from 1874 to 1884 before going on to the University of Pennsylvania, Johns Hopkins University, and Oxford University. He was instrumental in developing the Health Sciences Library, which had its origin in the Montreal Medical Institution and which now contains over 285,000 volumes and 4,500 periodicals, and left to it his extensive collection of books devoted to the history of medicine.

The land occupied by the University, deeded to it by James McGill, lies in the heart of Montreal on the southern slope of Mount Royal. The medical faculty offices are located in the

McIntyre Medical Sciences Building which lies higher on the flank of the mountain on Promenade Sir-William-Osler at Pine Avenue. The Health Sciences Library, the Osler Library of the History of Medicine, and a number of the departments of the Faculty are located in this building. The Strathcona Anatomy and Dentistry Building, the Montreal Neurological Institute and hospital of the McGill University Health Centre (MUHC), founded in 1887, are situated a half mile east of the McIntyre Building while the Montreal General Hospital of the MUHC, relocated in 1955 from its original site south of the University, lies a half mile to the west. The Montreal Children's Hospital of the MUHC, the Sir Mortimer B. Davis-Jewish General Hospital, St.Mary's Hospital and the Douglas Hospital are also teaching/affiliated institutions. In addition, there are nine centres and units specializing in A.I.D.S.; artificial cells and organs, cancer research; host resistance; human genetics; medical education; non-linear dynamics; nutrition and food science; aerospace medical research; medical physics; age and aging; and in biomedical ethics.

1.4 Mission Statement

The Faculty of Medicine affirms the mission of McGill University as follows:

> The advancement of learning through teaching, scholarship, and service to society: by offering to outstanding undergraduate and graduate students the best education available; by carrying out scholarly activities judged to be excellent when measured against the highest international standards; and by providing service to society in those ways for which we are well-suited by virtue of our academic strengths.

Within this context, the mission of the Faculty of Medicine is to pursue internationally significant scholarship and to provide undergraduate, graduate and professional programmes of the highest academic quality so that we may contribute to the well being of mankind.

We affirm the following objectives in order to accomplish our mission:

1. Education

The health-care professionals who are graduates and trainees of the Faculty will be well-prepared to address the present and future health needs of the Canadian population. They will be oriented to preserving health, technically competent, adept at solving problems, capable of functioning as part of a multi-disciplinary team and committed to life-long learning both for themselves and their patients. They will exhibit ethical behaviour and compassion in dealing with patients, restraint in using health resources, and an inquiring attitude towards the mechanisms of health and disease. Finally, our programmes will be rooted in a scholarship of education designed to the development and exploitation of modern pedagogical techniques.

2. Research

The Faculty's research programs will contribute to the understanding of the basic mechanisms of health and disease and develop and evaluate clinical interventions to address health care needs. The research will emphasize collaboration between basic and clinical sciences, and between members of our Faculty and researchers in other disciplines. The faculty will encourage and support outstanding research trainees and research training programs. Our research will encompass the scholarship of discovery and integration.

3. Service

Members and trainees of the Faculty will provide exemplary, scientifically based health services to the McGill target population and will participate actively in national and international professional organizations. Our stance will encompass a scholarship of application whose aim is to ensure that available and new knowledge are used to improve the care and well being of society.

1.5 Medical Societies

McGill Medical Students' Society Inc.

Mail: 3655 Promenade Sir-William-Osler, 6th Floor
Montreal, QC, H3G 1Y6
Office: McIntyre Medical Sciences Building, Room 508
Telephone: (514) 398-7167 Fax: (514) 398-1789
E-mail: msspres@med.mcgill.ca

The Society is an association of all registered medical students. Acting through its elected council and various Faculty committees, the Society performs a number of functions:

1. to represent medical students' ideas, concerns and problems to the Faculty of Medicine, the rest of the McGill community, the government, and the public at large;
2. to promote interaction among medical students through both the Federation of Quebec Medical Student Societies and Canadian federations of medical students;
3. to attempt the advancement of new forms of learning in response to the desires of the students;
4. to collaborate with the Students' Societies of Nursing, Physical and Occupational Therapy, and Dentistry in running the "Annex", the social centre;
5. to regulate all student sporting and social events within the Faculty;
6. to publish a newspaper, *The Placebo,* for all medical students;
7. to recognize and supervise the formation and operations of affiliated student societies;
8. to attempt generally to provide the resources and personnel to meet student needs and wishes as they arise.

The M.S.S. has members on many Faculty committees, including the Curriculum Committee and the Admissions Committee. Details of all activities are easily available from the M.S.S. Office and it is hoped that all students will participate in the Society's activities.

L'Association des Étudiants en Médecine est une association de tous les étudiants inscrits en médecine. Représentée par son conseil élu et par les divers comités de la faculté, l'Association accomplit les fonctions suivantes:

1. représente les idées des étudiants, leurs soucis et leurs problèmes à la faculté de médecine, à la communauté McGill en général, au gouvernement et au public en général;
2. facilite la communication des étudiants en médecine par le biais de la Fédération des Associations des étudiants en médecine du Québec et de la Fédération des étudiants en médecine du Canada;
3. essaie de développer de nouveaux cours qui répondront aux désirs des étudiants;
4. collabore avec les Associations des étudiants en nursing, en ergothérapie et réadaptation, et en médecine dentaire dans la direction de "l'Annexe", notre centre social;
5. s'occupe des activités sportives et sociales des étudiants en médecine;
6. publie un journal*, The Placebo,* pour tous les étudiants en médecine;
7. reconnaît et supervise la formation et le fonctionnement d'organisations ou de sociétés d'étudiants en médecine à des fins diverses;
8. de façon générale, essaie de fournir les ressources et le personnel afin de rencontrer les besoins et les désirs des étudiants qui se font ressentir.

L'Association des étudiants en médecine a des membres sur plusieurs comités de la faculté y compris le "Curriculum Committee" et "Admissions Committee". Des renseignements sur nos activités peuvent facilement être obtenus au bureau de l'Association et nous souhaitons ardemment que tous les étudiants participent à nos activités.

Osler Society

The Osler Society was founded in 1921 to perpetuate the memory and teaching of Sir William Osler, the most illustrious graduate and

professor of the Faculty of Medicine at McGill. Through the presentation of lectures and seminars by students and guest lecturers on topics in the medical humanities, the Society strives to uphold Osler's ideals of a liberal medical education.

Meetings are held throughout the academic year approximately once a month. In the fall, the Osler Lecture is given by a distinguished guest. It is followed by the Osler Banquet, a formal dinner in the grand tradition of the Society. Staff, students and the public are welcome at all Osler Society functions. Our website is www.med.mcgill.ca/oslerweb.

Phi Delta Epsilon
The Phi Delta Epsilon International Medical Fraternity is a professional, coeducational organization with a membership of over 25,000 students, interns, residents, and practicing physicians.

The McGill chapter was founded in 1926 to promote the highest ethical, scientific, and educational standards in the field of medicine. The chapter's activities reflect their long-term commitment to non-profit community service as well as addressing the need among medical students for a supportive, relaxed environment.

Phi Delta Epsilon's international network of graduate members also offers their student members many benefits, including: funding for a variety of projects; advice and support in the selection of electives, research and residency positions; awards for academic and research excellence, and for outstanding community service; low-interest student loans; regional and international conventions. Our website is www.phide.org .

McGill Journal of Medicine
The *McGill Journal of Medicine (MJM)* is a scholarly scientific journal providing an international forum for university students to publish original research, case reports, reviews and expository essays in any field of medicine. Established in May 1994, *MJM* is published and produced entirely by students in the Faculty of Medicine and in Graduate and Postdoctoral Studies at McGill.

Based on the principles of student excellence and education, *MJM* is unique among existing medical journals. It is the only student-run scientific journal devoted to publishing the original research of students exclusively, on an international scale. *MJM* has established a national and international base of authors. Please see reviews of *MJM* in the *New England Journal of Medicine (336:885;1997)* and *JAMA (278:1461-2;1997)* and visit online at www.medicine.mcgill.ca/mjm.

Medical and Dental Christian Fellowship (MDCF)
In 1988, several students from Med I and II started the Medical Christian Fellowship, which has since become the MDCF. This group created a place for Christians in medical training to meet weekly for Bible study, encouraging each other in continuous spiritual growth. In addition, various speakers (doctors, faculty, medical missionaries, etc.) expose the members to different ways to effectively integrate faith and medical practice by sharing with members their experiences as Christians in the medical profession.

Ranging from Roman Catholic to Lutheran and from Greek Orthodox to Calvinist, the group covers a large spectrum of denominations and enjoys the richness in thought such a diversity brings. Even though the MDCF is an independent group, it is associated with the Christian Medical and Dental Society (CMDS), the Canada and U.S. wide organization of Christian doctors and dentists.

Medical Students for Social Responsibility (MSSR)
MSSR is a group that recognizes that social, economic, and political factors largely determine the health of individuals and populations. The group's objective is to sensitize participants to alternative aspects of health and to provide a framework for future activism.

2 Scholarships, Bursaries, Prizes, Medals and Loan Funds

The Faculty of Medicine, M.D., C.M. program, has adopted a primarily needs-based approach to its scholarships and bursaries. This acknowledges the very high academic performance already achieved by students entering the Faculty. Many of the funds under the Faculty's jurisdiction are awarded on the basis of good academic standing and financial need, and are administered by the Office of Student Aid. Financial aid forms are available from the Student Aid Office, 3600 McTavish Street, Montreal (www.mcgill.ca/studentservices).

Entrance scholarships are available for students registered in the double programs: M.D./M.B.A. and M.D./Ph.D.

Entrance scholarships are also available for students accepted to the Med-P program. In the first year of the Med-P program, students are registered in the Faculty of Science and hence are eligible for university entrance scholarships; these scholarships are not renewed once the student is promoted into the Faculty of Medicine. Continued financial assistance can be provided by the Office of Student Aid.

Bursaries are available to enable students to carry out research projects during their medical studies. These are awarded, on a competitive basis, in the winter term and also during summer vacation. For more information, please inquire with the Associate Dean for Research in the Faculty of Medicine or consult the website at www.medicine.mcgill.ca/research/bursary.

Students who demonstrate outstanding performance are recognized through the awarding of prizes, medals and J.W. McConnell Awards. Receipt of an award is permanently recorded on the transcript of each recipient. This information is also included in the Dean's Letter of evaluation.

2.1 Scholarships and Bursaries

DR. MAUDE E. SEYMOUR ABBOTT SCHOLARSHIPS – established in 1938 in honour of the late Maude E. Abbott, B.A., M.D., F.R.C.P.(Canada), LL.D.(McGill), to commemorate her distinguished work in connection with the history of Canadian medicine, the Sir William Osler Pathological Collection, and her outstanding research in congenital cardiac disease. Awarded by the Student Aid Office to undergraduate medical students on the basis of academic standing and financial need.

JAMES MOSES AND STELLA FROSST ALEXANDER SCHOLARSHIPS – established in 1992 to honour James Moses Alexander, a distinguished graduate of the Faculty of Medicine, McGill University (1934). Two scholarships are available each year for students with outstanding merit entering the four-year undergraduate program in the Faculty of Medicine. Awarded by the Faculty Scholarships Committee and renewable provided the holder maintains an academic standing satisfactory to the Committee. Students who hold this scholarship during third and fourth year will have the opportunity of doing an elective clinical rotation at the University of North Carolina in recognition of Dr. Alexander's major commitment to the institution. Value: $8,000 each.

J.H.B. ALLAN SCHOLARSHIP – available to undergraduate students in any year.

JACK AUERBACH MEMORIAL BURSARY – established in 2001 through a bequest by Jack Auerback for students in the Faculty of Medicine. Awarded by the Student Aid Office on the basis of financial need.

JONATHAN BALLON SCHOLARSHIPS – established in 1995 through generous gifts from friends and family to honour the memory of Jonathan Ballon, B.A. 1947, M.D. 1952, a distinguished graduate of McGill. Awarded to outstanding Canadian students entering the four-year Medical degree program or the joint M.D./Ph.D. or M.D./M.B.A. programs. While academic excellence is of primary importance, professionalism, compasssion and demonstrated leadership in athletics or other student activities will be considered. Awarded by the Faculty of Medicine Scholarships Committee and

renewable provided the holder maintains an academic standing satisfactory to the Committee. Value: minimum $3,000 each.

SIR EDWARD W. BEATTY MEMORIAL SCHOLARSHIPS FOR MEDICAL STUDENTS – income from a bequest of $100,000 from the late Dr. Henry Albert Beatty provides scholarships for undergraduate and graduate students in the Faculty of Medicine. For students who hold or are working towards the McGill M.D.,C.M., the award may be held at any approved institution in Canada or abroad. For other qualified students the award must be held at McGill. The holder is expected to devote the year of tenure either to research or to some form of special training excluding the normal training towards the M.D.,C.M. and excluding any of the years of residency training required in the Diploma courses.

BELLAM MEMORIAL BURSARIES – from a bequest of $20,000 from the estate of the late C.F. Bellam and awarded on the basis of financial need to students from Stanstead County, Quebec.

DR. BEN BENJAMIN MEMORIAL BURSARY – established by his sisters in memory of the late Ben Benjamin, B.A., M.D.,C.M., Lecturer in the Department of Pediatrics. Awarded on high academic standing and financial need.

ETTIE ISRAEL BENNETT BURSARY – established in 1986 to be awarded for medical research to a deserving student as selected by the Faculty Scholarships Committee.

JOSEPH ISRAEL BENNETT BURSARY – a bequest from the late Joseph Israel Bennett provides an annual bursary for a deserving student.

ANGELA "ANGIE" BERGMAN CANCER RESEARCH BURSARIES Established in 2003 by Richard Bergman in memory of his wife, Angela "Angie" Bergman. Awarded by the Faculty of Medicine's Student Research Committee to students in a medical or allied health undergraduate program who participate in a cancer-related research project at McGill University. Value: Two winter research bursaries of $2,000 each and two summer research bursaries of $2,700 each.

MAX BINZ SCHOLARSHIP – from the bequest of the late Max Binz. $1,000 is set aside annually for scholarships in the Faculty of Medicine.

SYDNEY BLIDNER MEMORIAL MEDICAL SCHOLARSHIP – established in 1996 by a bequest of the late Mrs. Pauline Blidner Krupp in memory of her brother. Awarded by the Student Aid Office to worthy undergraduate students in any year in the Faculty of Medicine on the basis of academic standing and financial need.

DR. MAURICE BRODIE MEMORIAL SCHOLARSHIP – established in 1993 by Mrs. Edna Singer Brodie in memory of Dr. Maurice Brodie (M.D.'28). Awarded on the basis of academic standing and financial need by the Student Aid Office to undergraduate students in the Faculty of Medicine, tenable in any year.

ALBERT A. BUTLER AWARD IN ORTHOPAEDICS – established in 2001 by Kaye Takamatsu-Butler in memory of Dr. Albert A. Butler, M.D.,C.M. 1935. The award will be used to support residents doing research in the field of orthopaedics and/or postgraduate orthopaedic training at McGill. This support can include travel funds for residents to attend conferences, the purchase of research equipment and acknowledgement gifts such as book prizes. Awarded by the Program Director of the McGill Orthopaedic Surgery Residency Program. Value: maximum $6,550.

NAT CHRISTIE SCHOLARSHIPS – established in 1982 by the Nat Christie Foundation, an annual gift of $50,000 provides scholarships for undergraduate medical students. Awarded on the basis of academic standing and financial need. Value: minimum of $1,200 each.

CLASS OF MEDICINE 1943B BURSARY – established in 1995 by the Class of Medicine 1943B in honour of their 50th anniversary of graduation. A bursary awarded by the Student Financial Aid Office to a third year medical student in good academic standing who exhibits financial need.

CLASS OF MEDICINE 1954 SCHOLARSHIP – established in 1999 by the Class of Medicine 1954, in appreciation for the education they received at McGill, and in commemoration of the Class' 45th Anniversary of graduation. Awarded on the basis of financial need by the Student Aid Office to medical students in good academic standing.

CLASS OF MEDICINE 1959 SCHOLARSHIP – established in 1999 by the Class of Medicine 1959 in appreciation for the education they received at McGill and in commemoration of the Class' 40th anniversary of graduation. Awarded on the basis of financial need by the Student Aid Office to medical students in good academic standing.

CLASS OF MEDICINE 1963 SCHOLARSHIP – established in 1998 by the Class of Medicine 1963 in appreciation for the education received at McGill and in commemoration of the Class' 35th anniversary of graduation. Awarded on the basis of financial need by the Student Aid Office to medical students in good academic standing.

CLASS OF MEDICINE 1972 BURSARY – established by the Class of Medicine 1972, in appreciation for the education they received at McGill, and in commemoration of their 25th Anniversary of graduation. Awarded on the basis of financial need by the Student Aid Office to medical students in good academic standing.

CLASS OF MEDICINE 1990 SCHOLARSHIP – established in 2002 by the Class of Medicine 1990, in appreciation for the education they received at McGill, and in commemoration of their 10th anniversary of graduation. Awarded, on the basis of financial need, by the Student Aid Office to medical students in good academic standing.

CLOUSTON MEMORIAL SCHOLARSHIP – endowed in 1986 by the family in memory of Dr. H.R. Clouston and his father, Dr. J. Clouston, both of Huntingdon, Quebec. Awarded by the Faculty Scholarships Committee to a medical student who undertakes a research project with preference to the field of genetics. Value: $1,800.

MARK J. COHEN BURSARY -Established in 2003 by Mark J. Cohen, M.D., C.M. 1992, for M.D., C.M. students in the Faculty of Medicine. Awarded by the Student Aid Office on the basis of financial need to one or more students in good academic standing.

MR. & MRS. JOHN HENRY COLLINS MEMORIAL BURSARY – endowed in 1986 by a bequest from Mrs. John Henry Collins to assist students in conducting medical research. Awarded by the Faculty Scholarships Committee.

BEVERLEY COONER BURSARY – established by the family and friends of the late Beverley Cooner to assist a deserving student. Awarded with the approval of the National Council of Jewish Women on the basis of financial need and academic standing.

GEORGE CORCORAN SCHOLARSHIP – established by a bequest from Emily Jones Corcoran in memory of her husband. Awarded by the Faculty of Medicine Scholarships Committee to students in the undergraduate medical program with preference to students registered in the M.D./Ph.D. program. Value: minimum $2,000.

BOWMAN CORNING CROWELL AWARD – established in 1979 by a bequest from Frances B. Crowell. To be awarded to an undergraduate medical student engaged in research in Pathology.

JAMES H. CUMMINGS SCHOLARSHIPS – two or more entrance scholarships bequeathed by the late James H. Cummings. Awarded by the Student Aid Office to undergraduate medical students on the basis of academic standing and financial need.

MADHU BALA DHAWAN BURSARY FOR RESEARCH IN PALLIATIVE CARE OR CANCER – established in 2000 by Dr. K.C. Dhawan in memory of his wife. Awarded annually by the Faculty of Medicine Scholarships Committee to a medical or allied health professional student who participates in a research project in either palliative care or cancer research at McGill University.

ANNIE DIAMOND BURSARIES – established in 1969 for medical students with financial need.

SAMUEL EIDLOW MEMORIAL BURSARY FUND – established for worthy medical undergraduate students with financial need.

CHANCELLOR FERRIER MEMORIAL BURSARY – established by Mrs. Herbert V. Lacey in memory of her great-grandfather, Senator James Ferrier, Chancellor of McGill from 1884 to 1889. Awarded

on the basis of academic standing and financial need, with preference to students from the State of Wyoming.

DR. E.M. FISHER MEMORIAL SCHOLARSHIP – available to any medical undergraduate student.

SIMON AND ROSALIE HALPERN MEMORIAL SCHOLARSHIP – established by the late Dr. Fanny G. Halpern in memory of her parents. Available to students of the Roman Catholic or Jewish faith who have distinguished academic standing and financial need. The recipient in any one session may re-apply for the following year. Value: $400.

DR. DAVID M. AND DONALDA L. HARVEY SCHOLARSHIP – established in 1995 by Dr. David M. Harvey (M.D. 1955) and his wife Donalda, to support medical students based on academic standing and demonstrated financial need. The scholarship is tenable in any year and may be renewed. Awarded by the Student Aid Office. Value: $2,000.

ARTHUR S. HAWKES FELLOWSHIP – established in 2000 through a generous bequest by Dr. Arthur S. Hawkes, Ph.D. 1945. Awarded by the Faculty of Medicine to an outstanding student in the Department of Biochemistry. Value: minimum $5,000.

WALTER J. HOARE MEMORIAL SCHOLARSHIP – endowed by the late Dr. Charles W. Hoare, a graduate of McGill University, in memory of his son, Walter J. Hoare, who was killed in World War I. Preference is given to graduates of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

KEITH HUTCHISON MEMORIAL SCHOLARSHIPS – two or more scholarships, in memory of the late Dr. Keith Hutchison. Awarded on the basis of distinguished academic standing and need; tenable in any year. The recipient in any session may re-apply for the following year.

IVES SCHOLARSHIP – established in 1967 by a bequest of the late David Fraser Murray, M.D.,C.M., 1924. Awarded on the basis of financial need with preference given to students from Nova Scotia, New Brunswick or Prince Edward Island.

CAMPBELL KEENAN MEMORIAL SCHOLARSHIP – established by the late Miss Charlotte Mildred Hagar in memory of the late Dr. Campbell B. Keenan. Tenable in the second, third, or fourth year; and awarded on the basis of distinguished academic standing and financial need to an applicant who intends to enter surgical practice. The recipient in any session may re-apply for the following year.

JAMES GRAHAME KER AND FREDERICK K. PETRIE MEMORIAL SCHOLARSHIP – awarded to a student from Eastern Ontario (Counties of Dundas, Stormont, Glengarry, Grenville, Carleton, Russell and Prescott) or from Montreal. Based upon distinguished academic standing and financial need; tenable in second year and may be renewed.

KINCH MEMORIAL BURSARY – established by Miss Dia Joyce in memory of Mr. and Mrs. C.H. Kinch to assist medical undergraduates.

FREDERICK PENTON LOFTUS LANE BURSARY FUND – established in 1979 by a bequest from Esther M.E. Lane. Awarded by the Student Aid Office to undergraduate medical students on the basis of academic standing and financial need.

DR. ABEL LAX BURSARY – established in 2000 by Helen and Herbert Paulive in memory of Dr. Abel Lax. Awarded by the Student Aid Office to a meritorious undergraduate medical student in financial need. Value: $2,000.

LECLERC MEDICAL STUDENT TRAVEL AWARD – established by an endowment from Dr. J.R. Leclerc who has always valued education at a high level. Income from this fund will be used to permit medical students doing summer research projects to present their work at scientific meetings. If the need arises, income can also be utilized for summer research bursaries. Awarded by the Faculty of Medicine Scholarships Committee.

LEUKEMIA RESEARCH FUND BURSARY – established in 1992 by the Leukemia Research Fund. Awarded annually by the Faculty Scholarships Committee to a medical student who participates in a summer research project in leukemia-related research at McGill University. Value: $3,500.

DR. GABRIEL LEUNG MEMORIAL AWARD – established in 1987 by Mrs. Jane Leung and friends, through the Education Foundation of the Federation of Chinese Canadian Professionals, in memory of Dr. Gabriel Leung, who graduated from McGill with his M.D.,C.M. in 1972. Awarded by the Student Financial Aid Office to a second year medical student for achieving academic excellence or to pursue an independent research project under the direction of the Faculty. Financial need can be part of the consideration.

GUSTAV LEVINSCHI SCHOLARSHIP FUND – endowed in 1986 for needy medical students requiring assistance in the pursuit of their studies.

DR. DAVID T.W. LIN FOUNDATION SCHOLARSHIP – established in 1993 in honour of Dr. David T.W. Lin, B.Sc. (1937), M.D.(1940), O.C., Surgeon Emeritus at the Royal Victoria Hospital, Honorary President of the Montreal Chinese Hospital and a leader in the Chinese community. Awarded by the Student Aid Office to a medical student on the basis of academic achievement and demonstrated need. Preference will be given to students of Chinese origin. Value: $2,600.

JUDITH ANNE WRIGHT LITVACK BURSARIES – bequeathed in 1999 by Judith Litvack to support the research bursary program for students in the Faculty of Medicine. The research projects supported are to be in the disorder anxiety. One or more bursaries in each of the two research committee. Value: minimum $2,000.

GEORGE LYMAN MASTEN SCHOLARSHIPS – established in 2000 through a bequest by Charles H. Masten, M.D.,C.M. 1893. Awarded by the Student Aid office to students in the Faculty of Medicine, with a preference to candidates born or educated in the counties of St. Johns or Stanstead, Quebec to provide need-based scholarships for meritorious and needy students.

MCGILL HONG KONG GRADUATES BURSARY FUND – established in 1987 through donations from McGill graduates in Hong Kong to be used to provide bursary assistance for deserving students in any faculty who are from Hong Kong. To be awarded by the Student Aid Office in collaboration with the McGill Society of Hong Kong.

HILTON J. MCKEOWN SCHOLARSHIPS – established by a bequest from Hilton J. McKeown (M.D. 1927) to the Friends of McGill to provide financial support to students in the Faculty of Medicine. Awards are granted on the basic of academic achievement and the value of each award will depend upon financial need and other awards held. Preference will be given to students in the M.D.,C.M./ Ph.D. program. Awarded by the Faculty of Medicine. Value: minimum $500 each.

DR. CLARKE K. MCLEOD MEMORIAL SCHOLARSHIP FUND – established in 1979 by a bequest from Dr. Clarke K. McLeod, M.D.,C.M., 1927 to provide scholarships for undergraduate medical students.

JAMES O. MEADOWS AND MARIA MEADOWS AWARDS – income from a bequest of $200,000 from the late Dame Maria Cowan Meadows provides awards for undergraduate and graduate students in the Faculty of Medicine who are engaged in research. Preference is given to candidates working in cancer research but worthy candidates in other areas of medical or surgical research are also considered. Application is made to the Dean of the Faculty of Medicine.

SEAN MURPHY AWARD – established in 1997 from a bequest of the late Miss Dorothy Brown. Award is competitive based on merit and excellence. Awarded by a committee of the Department of Ophthalmology to a student in ophthalmic pathology, with a preference for graduate students or postdoctoral fellows.

RONALD DOUGLAS NAYMARK AWARD – established by the Medical Class of 1984 in memory of Ronald Douglas Naymark, B.Sc., M.D.,C.M.(McG.), this award is given to that member of the graduating class who most enriches the life of the class in the eyes of his or her peers. The award seeks to recognize an individual who inspires trust and confidence, optimism and enthusiasm in his or her medical colleagues. The individual is a participant in class activities and is in satisfactory academic standing.

DR. H.K. NEILSON BURSARY FUND – established in 1986 to be used to further the education of worthy medical students. Awarded on the basis of academic standing and financial need.

PAPANASTASIOU FAMILY BURSARY -Established in 2003 by Olga Huk Papanastasiou, B.Sc. 1980, M.D.C.M. 1984, and her husband, Vasilios Papanastasiou, M.D.C.M. 1979, M.Sc.1984. Awarded by the Student Aid Office on the basis of financial need to one or more students in the Faculty of Medicine in good academic standing.

PHARMACEUTICAL MANUFACTURERS ASSOCIATION OF CANADA, HEALTH RESEARCH FOUNDATION SUMMER RESEARCH SCHOLARSHIPS – Three to six summer research scholarships will be awarded to undergraduate medical students for pharmacological research in the broadest context. A maximum of two scholarships can be renewed for a second year. Recipients must be Canadian citizens or Permanent Residents who demonstrate a willingness to make a significant commitment to research. Awarded by the Faculty of Medicine Scholarships Committee. The recipients may be requested to attend an awards ceremony or other PMAC events (all costs paid by the PMAC-HRF). Recipients will also be eligible for consideration for $1,000 travel grants to enable them to present their work at a PMAC sponsored conference or a national/international research meeting. Value: approximately $4,000 each.

AURORE PICARD BURSARY – a bequest from the late Aurore Picard provides an annual medical research bursary for a meritorious student. Awarded by the Faculty Scholarships Committee.

MARTHA JANE POULSON MEMORIAL SCHOLARSHIP – established in 2002 by the Class of Medicine 1980 to honour the memory of Martha Jane Poulson, M.D.,C.M. 1980. Dr. Poulson exemplified excellence in the practice of both the art and science of Medicine. She also had a remarkable commitment to developing her skills and sensitivities in the arts and humanities. As a concert pianist, singer and leader in her community, she overcame physical adversity with emotional and spiritual strength that awed her friends and colleagues. Awarded on the basis of financial need by the Student Aid Office to medical students in good academic standing. Preference shall be given to students with physical disabilities.

IVAN RACHEFF SCHOLARSHIPS – established in 1986 to be awarded by the Faculty Scholarships Committee to medical students who demonstrate an interest in research in public health and/or the effects of pollution or pollutants on the human body.

SAMUEL ROSENFELD BURSARY – established by Mrs. Ida Rosenfeld Letovsky in memory of her late husband, Mr. Samuel Rosenfeld, to support worthy undergraduate medical students.

ANN AND GEORGE ROSENGARTEN BURSARY FUND – established in 1987 by Ann J. and George J. Rosengarten to aid students in any faculty who require financial assistance to continue their program of studies.

REUBEN ROSS MEMORIAL AWARD – the income from a bequest of the late Reuben Ross provides an annual award to medical students in financial need.

SOLOMON DAVID SACKS BURSARY – established in 1973 by Mr. and Mrs. Issie Sacks in memory of their son, to assist a deserving medical student in financial need.

DAVID E. AND RONNIE SCHOUELA MEMORIAL SCHOLARSHIP – established by the family in 1980 to assist a first-year medical student. Awarded either on the basis of financial need or for participation in the Summer Research Program.

ROSE SCHWARZ - HELEN MARCUS BURSARY – established by the family and friends of the late Rose Schwarz and the late Helen Marcus. To assist a needy, deserving student engaged in summer work in cancer research. Awarded with the approval of the National Council of Jewish Women.

DR. JACOB C. SCHWARTZMAN SCHOLARSHIP – established in 1983 in memory of Jacob C. Schwartzman, M.D.,C.M., F.A.C.S., by his family and friends. This tuition scholarship is to be awarded each year by the Faculty Scholarships Committee to a student in the Faculty of Medicine on the basis of academic standing and financial need. Candidates must be Canadian citizens or Permanent Residents. A stipulation of the Scholarship is that each recipient agree to make contact with the family of Helaine Livingstone, B.A., McGill, 1960, who organized the Scholarship in memory of her father.

HARRY SHANKMAN SCHOLARSHIPS – A bequest from the late Annette Shankman Rieder in honour of her brother Harry Shankman, M.D., provides annual scholarships for meritorious medical students in the M.D./Ph.D. program. Awarded by the Faculty of Medicine Scholarships Committee, on the recommendation of the M.D./Ph.D. Program director. Value: minimum $3,000 each.

ROBERT SHARWOOD MEMORIAL SCHOLARSHIP – tenable in any year of the undergraduate course in Medicine. It is awarded on the basis of distinguished academic standing and financial need. The recipient in any one session may re-apply for the following year.

ROSALINE SHINDER MEMORIAL RESEARCH BURSARY – established in 1987 by her family in memory of Rosaline Shinder. Awarded by the Faculty Scholarships Committee to a medical student for cardiac or related research.

BRUCE SMITH BURSARY FUND – from a bequest by the late Dr.Bruce Stewart Smith to enable worthy students with financial need to complete medical training at McGill University.

ALLAN JAY SOLOMON AWARD – a fund of $2,000 established in 1977 by family and friends in memory of the late Allan Jay Solomon, M.D.,C.M. The income provides an annual award tenable in any year; awarded for distinguished academic standing and financial need.

ROBERT ROLF STRUTHERS BURSARY – the income from a bequest of the late Robert Rolf Struthers (Medicine 1918) provides support for a needy Canadian student entering third year Medicine.

DR. JOSEPH TANZMAN AWARD – a bequest establishing an award in honour of Dr. Joseph Tanzman, M.D.,C.M., 1927. Preference is given to a medical student from New Brunswick but if there is no such candidate the award may be given to any deserving student in the Faculty of Science. Awarded by the Scholarships Committee of the Faculty of Medicine or the Faculty of Science.

WILLIAM V. VICTOR AWARD – established in 2000 by Laura Victor, B.A. 1932, in memory of her husband, William V. Victor, B.Com. 1931, F.C.A. Awarded by the Faculty of Medicine Jury of the Annual Student Research Day to a meritorious undergraduate medical student. Value: minimum $1,000.

DR. ARTHUR M. VINEBERG SCHOLARSHIP – established in November 1997 by Mrs. Elaine Leopold-Sargent, niece of Dr.Arthur M. Vineberg, B.Sc. (Arts) 1924, M.Sc. 1928, Ph.D. 1933, in recognition of Dr. Vineberg's work as pioneer of modern cardiac surgery and long-time lecturer in the Faculty of Medicine. Awarded on the basis of outstanding academic merit by the Faculty Scholarships Committee to students entering or in the four-year undergraduate program in the Faculty of Medicine. Value: $6,000.

MARY AND STUART WEBSTER BURSARY FUND – esablished in 2001 through a generous gift from Mary G. Webster, B.A. 1938. The annual income will be used to assist Canadian students entering Medicine or related health sciences programs who have demonstrated financial need. Preference will be given to deserving women students. Value: minimum $5,000; renewable subject to satisfactory standing.

DR. MILTON C. AND NINA E. WILSON AWARD – established in 1970 by a bequest from the late Dr. Milton C. Wilson. The annual income provides support for undergraduate or postgraduate students in the Faculty of Medicine who are in financial need.

GEORGE WIOR FOUNDATION BURSARIES – three bursaries in the amount of $2,500 each, awarded annually to students in financial need with good academic standing. One bursary to a student in each of second, third and fourth year. The bursary is renewable only if academic standing is maintained.

2.2 Prizes

MR. AND MRS. J.A. BESNER PRIZE – awarded to the student obtaining the highest standing in the Introduction to Clinical Medicine component of the medical undergraduate course. Value: approximately $475.

H.S. BIRKETT MEMORIAL PRIZE IN OTOLARYNGOLOGY – established by Miss Winifred Birkett in memory of her father, the late Dr. H.S. Birkett, formerly Professor of Otolaryngology. Given to the student who has shown outstanding performance in Otolaryngology. Value: $375.

JAMES Q. BLISS ANNUAL BOOK AWARD – awarded to the student who obtains the highest standing in the Gas, Fluids and Electrolytes unit. Value: $100.

BOEHRINGER INGELHEIM (CANADA) LTD. AWARD – an annual award, accompanied by a personalized plaque, established in 1991 by the Boehringer Ingelheim (Canada) Ltd./Ltée. The Faculty of Medicine will choose a fourth year medical student who is in excellent academic standing and demonstrates clinical professionalism in the field of either respirology or cardiology. It is preferable that this student not hold another award concurrently. Value: $500.

CARLO BOS PRIZE – established in 1991 in memory of Dr. Carlo Bos, a humane and respected psychiatrist who taught a multitude of medical students at the Allan Memorial Institute. Awarded by the Coordinating Committee for the Introduction to the Patient and Introduction to the Practice of Medicine courses to the student who has demonstrated the greatest proficiency in the clinical skills preparatory to the practice of medicine. Value: $200.

JOSEPH MORLEY DRAKE PRIZE – founded by the late Joseph Morley Drake, M.D., awarded to the student with the highest standing in the Pathobiology, Prevention and Treatment of Disease unit. Value: $300.

VICTOR DZAU AND RUTH COOPER-DZAU RESEARCH BURSARY – established by Dr. Victor Dzau, B.Sc. 1968, M.D.,C.M. 1972, and Ruth Cooper-Dzau, B.PhysTher1972, to support undergraduate students in the Faculty of medicine conducting research under the guidance of a professor during the summer months. Awarded annually by the office of the Associate Dean, Graduate Studies and Research, of the Faculty of Medicine to undergraduate students in their 1st and 2nd year of a four-year medical or nursing or physical and occupational therapy degree program. Preference will be given to medical students. Value: minimum $3,000; may be divided to fund more than one student.

DR. PHILIP EIBEL PRIZE IN ORTHOPEDIC SURGERY – established in 1998 by Miss Debora Eibel, B.A. 1960, in memory of her father, Dr.Philip Eibel, B.A. 1929, M.D., C.M. 1933. The prize shall be awarded to a medical student, resident, or fellow who has exhibited outstanding achievement during training in orthopedic surgery.

SHIRLEY NANCY ENDMAN PRIZE – established in 1982 by Louis Endman in memory of his wife. Awarded to the student who obtains the second highest standing in the Gas, Fluids and Electrolytes unit. Value: $70.

EPIDEMIOLOGY BOOK PRIZE – awarded to the student who obtains the highest standing in Epidemiology and Health in Year 1 of the medical curriculum.

SHIRLEY RIVA FISHER PRIZE – established in 1985 by Randy Fisher in memory of his mother, Shirley Fisher. Awarded to the medical student showing the most promise and sensitivity in the area of Palliative Care in Medicine. Value: $100.

ROBERT FORSYTH PRIZE – bequeathed by the late Miss Jeanie Forsyth, awarded annually to the graduating student who has shown particular ability in all branches of Surgery. Value: $450.

CHARLES E. FROSST MEDICAL PRIZE AND BRONZE MEDAL – a bronze medal and prize are awarded annually to a student, in the Basis of Medicine, who has achieved excellence in the Unit on Pathobiology, Treatment and Prevention of Disease and has demonstrated, on the basis of interviews, the most promise in the field of Pharmacology. Value: $1,000.

CLAUDE GIROUD PRIZE IN PEDIATRICS – established in 1981 in memory of Dr. Claude Giroud, Physician-Endocrinologist of the Montreal Children's Hospital and McGill University. Awarded on the basis of scientific merit to the author of a paper suitable for publication in a pediatric journal. The prize is open to medical students and to residents and fellows in pediatric training. Awarded by the Faculty of Medicine. Value: $250.

ELIZABETH ANN MUNRO GORDON PRIZE – established in memory of Dr. Elizabeth Ann Gordon. Awarded to the member of the graduating class, who in the opinion of the Faculty and students, embodies the highest qualifications to practise medicine and has demonstrated outstanding leadership abilities.

ROBERT B. GREENBLATT PRIZE – endowed in 1987 by Dr. Robert B. Greenblatt, an eminent endocrinologist and professor emeritus at the Medical College of Georgia, who graduated from McGill with a B.A. in 1928 and an M.D.,C.M. in 1932. Awarded by the Faculty Scholarships Committee to the student who obtains the highest standing in the Life Cycle unit.

HARRY S. GROSS MEMORIAL PRIZE – bequeathed by the late Mrs. Esther B. Gross in memory of her late husband, Harry S. Gross, D.D.S., 1913, M.D.,C.M., 1921. Awarded to the student in the Introduction to Clinical Medicine component with the highest standing in the Introduction to Surgery course. Value:$125.

JOSEPH HILS PRIZE – founded by the late Dr. Joseph Hils, of Woonsocket, R.I. Awarded to the student obtaining the highest standing in the Musculoskeletal and Blood unit. Value: $175.

CAMPBELL HOWARD PRIZE IN CLINICAL MEDICINE – founded by Mrs. Campbell Howard in memory of the late Dr. Campbell P. Howard, Professor of Medicine at McGill. Awarded to the student in the Introduction to Clinical Medicine component with the highest standing in the Introduction to Internal Medicine course. Value:$200.

F. SLATER JACKSON PRIZE – founded by Mr. and Mrs. H.F. Jackson in memory of their son, the late F. Slater Jackson, M.D. Awarded to the student with the highest standing in the Molecules, Cells and Tissues unit. Value: $175.

CAMPBELL KEENAN MEMORIAL PRIZE IN CLINICAL SURGERY – established by the late Miss Charlotte Mildred Agar in memory of the late Dr. Campbell B. Keenan. Awarded to the graduating student who has shown the highest proficiency in Clinical Surgery. The winner of the Robert Forsyth Prize in Surgery is ineligible. Value: $100.

CHESTER MACNAGHTEN PRIZES – an essay prize open to students in all faculties. Information may be obtained from the English Department, Faculty of Arts.

REILLY MADSEN PRIZE – established to honour the memory of Reilly Madsen who was Manager, Records and Research, Development and Alumni Relations Services. Awarded, on recommendations from faculty and students, to a student with good academic standing who had demonstrated exceptional warmth and empathy towards patients. Value: $500.

MCGILL ALUMNAE SOCIETY PRIZE – presented upon graduation to a distinguished student for excellence and high academic standing. Preference given to women students. Value: $150.

FRANCIS MCNAUGHTON PRIZE – established in 1980, a prize and a book are awarded to the student with the highest standing in the Nervous System and Special Senses unit. Prize value: $200.

MERCK, SHARP & DOHME OF CANADA LIMITED AWARD – an award plus a Merck Manual of Diagnostics and Therapeutics. Established by Merck, Sharp & Dohme of Canada Limited for undergraduates in the Faculty to support research in the field of therapeutics. Awarded by the Faculty Student Research Committee. Award value: $1,000.

MONTREAL CHILDREN'S HOSPITAL CUSHING MEMORIAL PRIZE – awarded to the student with the highest standing in Pediatrics. Value: $300.

MARK NICKERSON PRIZE – established in 1990 by the Department of Pharmacology and Therapeutics in honour of Professor Mark

Nickerson, a renowned McGill pharmacologist. Awarded to the student, in the Basis of Medicine, who has achieved excellence in the unit on Pathobiology, Treatment and Prevention of Disease and has demonstrated, on the basis of interviews, an understanding of the role of pharmacology and therapeutics in contemporary society. Recipients will also receive a scroll. Value: $250.

NEWELL W. PHILPOTT AWARD – established in 1986 by the Department of Obstetrics and Gynecology in honour of Newell W. Philpott, M.D. (1926), Chairman of the Department from 1943 to 1956. This award is to commemorate Dr. Philpott's excellence as a teacher of medical students and residents as well as his many contributions in the field and to the Department of Obstetrics and Gynecology. Awarded to a graduating student for academic achievement and clinical excellence on the recommendation of the Department. Value: $500.

BRIAN NEWTON MEMORIAL AWARD – established by the Class of Medicine 1985, in appreciation for the education they received at McGill, and in memory of their fellow classmate Brian Newton, B.Sc. 1981, M.D., C.M. 1985. Awarded by the Faculty of Medicine's Committee on Student Promotions and Curricular Outcomes to the student who obtains the highest standing in the Obstetrics and Gynecology clerkship. Value: $400.

PRIZE IN MEDICAL ETHICS AND JURISPRUDENCE – established in 1953, awarded to the fourth year medical student who writes the best essay in fulfilment of the requirements of the course in Medical Ethics and Jurisprudence. Value: $500.

PSYCHIATRY PRIZE – awarded on the recommendation of the Department of Psychiatry to the student who has shown the most promise in this field. Value: $200.

SAMUEL ROSENFELD PRIZE – is awarded to the student with the highest standing in Host Defence and Host/ Parasite Relationships unit. Value: $125.

MONA BRONFMAN SHECKMAN PRIZE – awarded to the student with the highest academic standing in Psychiatry. Value: $275.

E. DAVID SHERMAN AWARD IN GERIATRIC MEDICINE – awarded to the most outstanding student in the field of clinical geriatric medicine. Value: $300.

DR. BENJAMIN SHORE PRIZE IN PLASTIC SURGERY – established in memory of Dr. Benjamin Shore, M.D.,C.M. 1965, this prize will be awarded annually to a resident training in one of the McGill teaching hospitals who demonstrates outstanding performance in the Plastic Surgery Program. This prize will be used to fund travel to a national or international meeting in the field of plastic surgery or for special support of a resident doing research in pastic surgery. The Prize will be awarded by the Program Director of the Plastic Surgery Training Program in consultation with the Associate Dean of Postgraduate Medical Education. Value: $2,500.

DR. JOSEPH SHUGAR - JEWISH GENERAL HOSPITAL PRIZE IN ORTHOPAEDICS – established in 1989 in memory of Dr. Joseph Shugar who was Orthopaedic Surgeon-in-Chief at the Jewish General Hospital. Dr. Shugar established an enviable reputation for clinical teaching at both the undergraduate and postgraduate levels and was active in national and international affairs. This award is granted annually to a graduating medical student who, during his/her undergraduate career, demonstrates the greatest knowledge and proficiency in Orthopaedic Surgery. Selection will be made by the Division of Orthopaedic Surgery. Value: $350.

DR. ALLEN SPANIER PRIZE – established in 1999 by Beverly Spanier, B.A. (1967) in memory of her brother Dr. Allen Spanier, M.D., C.M. (1972). Dr. Spanier was Chief of the Intensive Care Unit at the Jewish General Hospital for 21 years. Awarded annually by the Faculty of Medicine to a graduating student who has maintained high academic standing and exhibited a high standard of professionalism and compassion towards patients, their families, fellow students, and University and hospital staff during the Practice of Medicine component of the curriculum. Value: $200.

ALEXANDER D. STEWART PRIZE – founded by the late W. Grant Stewart (Arts, 1885; Medicine, 1888) in memory of his brother, the late Alexander D. Stewart (Medicine, 1888). Awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every aspect the highest qualifications to practise the profession. Value: $250.

MARY AND LOUIS STREICHER PRIZE – established in 1980, awarded to the student with the highest standing in the Endocrinology, Metabolism and Nutrition unit. Value: $150.

SUTHERLAND PRIZE – founded in 1878 by the late Mrs. Sutherland in memory of her husband, William Sutherland, M.D., formerly Professor of Chemistry in the Faculty. Awarded to the student who obtains the highest standing in the Basis of Medicine component of the medical undergraduate curriculum. Value: $250.

J. FRANCIS WILLIAMS PRIZE IN MEDICINE AND CLINICAL MEDICINE – founded by the late J. Francis Williams, M.D. Awarded to the student obtaining the highest standing in the Internal Medicine Clerkship of the medical curriculum. Value: $500.

2.3 Medals

HOLMES GOLD MEDAL – founded by the Medical Faculty in 1865, in memory of the late Andrew Holmes, M.D., LL.D., sometime Dean of the Faculty. It is awarded to the student graduating with the highest aggregate standing in the entire medical curriculum.

WOOD GOLD MEDAL – endowed by Casey A. Wood, M.D., LL.D. in memory of his grandfather, Thomas Smith Wood. It is awarded for the most outstanding clinical performance achieved by a student in the Clerkship Period. The winner of the Holmes Medal is not eligible.

2.4 Loan Funds

MAUDE ABBOTT MEMORIAL LOAN FUND – established by the Federation of Medical Women of Canada. Any woman medical student, first year intern, or graduate student may apply to the Secretariat, Federation of Medical Women of Canada, Box 8244, Ottawa, Ontario, K1G 3H7.

BORIGHT LOAN FUND – established in 1963 by a bequest from the late George H. Boright to provide loans to deserving medical students.*

BOSWELL JAMES LOAN FUND – established in 1943 by Dr. A. Boswell James to provide loans for undergraduates and graduates.*

DAVID M. CALDWELL STUDENT LOAN FUND – established in 1973 by a bequest from the late David M. Caldwell, M.D.(1919) to assist students in the Faculty of Medicine, with preference to American students.*

CLEMENT C. CLAY MEMORIAL LOAN FUND – established in 1985 by a bequest from Clement C. Clay, M.D.(1932) to provide loan assistance for students born in the United States who are registered in the Faculty of Medicine.*

ALEC AND SYLVIA DOLLIN LOAN FUND – established in 1965 by Mr. Alec Dollin to provide loans for medical students.*

KELLOGG LOAN FUND – established by the Kellogg Foundation. It provides loans up to a maximum of the tuition fees in any one year. Available to students in good standing and with financial need. Application and regulations are as for other loan funds of the University.*

LACEY LOAN FUND – established in 1962 by a donation from Mrs.Herbert Van Devanter Lacey, Cheyenne, Wyoming, primarily to aid medical students from the State of Wyoming. It may however be extended to others in accordance with the following priorities: medical students from the State of Wyoming; dental students from the State of Wyoming; medical students from other states of the U.S.A.; medical students from other countries. Loans are not to exceed $700 per year.*

GEORGE W. MERCK MEMORIAL LOAN FUND - established in 1960 by the Merck Company Foundation to provide loans for undergraduate medical students, interns and residents.*

GERTRUDE MUDGE MEMORIAL STUDENT AID FUND - established in 1958 by donations from students, graduates, and staff in memory of the late Gertrude Mudge, for many years Assistant Secretary of the Faculty of Medicine. Loans shall not exceed the fees for the year.*

WESTON FAY VOLBERG JR. MEMORIAL LOAN FUND - established in 1956 by classmates of the late Weston Fay Volberg, Jr., M.D.,C.M. (1953). It is available to medical students.*

*Apply to Student Aid Office.

3 Programs of Study, Admission and Curriculum

3.1 Undergraduate Programs of Study

The Faculty of Medicine offers a four-year undergraduate medical curriculum. Students are ordinarily admitted into the first year of this program but admission is also available to Québec students by means of a 5-year Med-P program directly after CÉGEP.

An M.D./Ph.D. program is offered for students interested in a research career in academic medicine.

For students interested in both Medicine and Management, the Faculties of Medicine and Management offer a five-year program leading to an M.D./M.B.A. degree.

The Faculty does not accept students for part-time medical studies.

The language of instruction is English.

3.2 Requirements for Admission

3.2.1 M.D., C.M. (Four-year) Program

Applicants must have received an undergraduate degree, or be in the final year of a course of study at a recognized college or university leading to an undergraduate degree consisting of 120 credits over eight terms following completion of high school. However, students who have received a diploma of collegial studies (CEGEP) in the province of Quebec must have completed 90 credits (six terms) in a Quebec university to obtain the required degree. Similarly, Quebec residents who, having received credit for their diploma of collegial studies, elect to complete their undergraduate degree outside the province of Quebec (other Canadian provinces, U.S.A. or elsewhere) will be required to complete an undergraduate degree with a minimum of 90 credits (six terms) at the non-Quebec university to be eligible to apply. Students who fail to complete a DEC before transferring to a non-Quebec university must complete a four-year degree. Successful candidates must be in receipt of the bachelor's degree by the time of registration for the first year of the medical curriculum.

Although the Faculty attempts to ensure by means of the specific requirements listed below that all students have an adequate preparation in science, it also wishes to encourage students from a variety of backgrounds to select medicine as a career. Prospective applicants are therefore advised to pursue courses of study, whether in the natural or social sciences or the humanities, which appeal to them and which have as their aim a broad education and intellectual training rather than merely anticipating the medical curriculum. In all programs of study, to be admissible prospective applicants should have carried a full load of courses (15 credits per term). Official transcripts must have numerical or letter grades. Narrative transcripts are not acceptable.

SPECIFIC REQUIREMENTS

These consist of the following courses and the Medical College Admission Test.

One full year (2 terms) university-level course, with laboratory work, in each of:

General biology
General chemistry
Organic chemistry
Physics.

It is important to note that in all of the above courses Pass/Fail grades are not acceptable.

Prerequisite courses completed more that eight years ago must be repeated. Exception may be made for applicants with advanced degrees in the material concerned.

University-level courses in biochemistry or cell and molecular biology are strongly recommended.

MEDICAL COLLEGE ADMISSION TEST

All applicants who wish to apply to the M.D., C.M. program starting in August 2005 must have taken the MCAT by August 14, 2004. This test is conducted by the MCAT Program Office, P.O. Box 4056, Iowa City, IA 52243; telephone (319) 337-1357, and is given each year in the spring and fall at various centres in Canada, the U.S. and other countries.

The MCAT assesses mastery of basic concepts in biology, chemistry, and physics; facility with scientific problem-solving and critical thinking; and writing skills. The skills and concepts tested are those identified by physicians and medical educators as prerequisite for the practice of medicine. Information regarding the MCAT as well as practice tests can be obtained from the AAMC Publications Department, 2450 N Street, NW, Washington, DC 2450N-1127, U.S.A. Telephone: (202) 828-0416. Web site: www.aamc.org/students/mcat.

The test should be retaken if it was written more than three years before the date of application. For applicants whose first language is not English, this fact will be taken into account in assessing the results of the test.

FOREIGN MEDICAL GRADUATES

Applicants who are Canadian citizens or Permanent Residents, who satisfy current Quebec residency requirements and who hold a medical degree awarded by a recognized university outside of Canada or the U.S., may be eligible to apply to the first year of the M.D.,C.M. program if:

– official transcripts sent by that university show numerical grades for all courses completed and,
– the candidate meets the specific requirements of science prerequisites and MCATs described under the M.D.,C.M. program.

The criteria for selection will be identical to those applying to the M.D.,C.M. program with a bachelor's degree. The foreign medical degree and its GPA will be substituted for a bachelor's degree.

3.2.2 M.D./M.B.A. Program

The M.D./M.B.A. program recognizes that physicians will be increasingly involved in the growing partnerships between business and health/sickness care. The program will graduate a group of doctors with skills uniquely directed towards management in the health care sector. This will provide opportunity to compete for positions in a growing niche of physician-managers who will be found in all facilities from the smallest clinic to the largest tertiary health care facility, from research laboratory to university or hospital medical departments.

This is a five-year program in which the first year from September to the following July is spent in the Faculty of Management. To be promoted and registered into the medical portion of the M.D./M.B.A. program, students must have successfully completed by July 31, 2005 all the courses and projects which are required in the first year of the joint program. Elements of health management and practicums will be integrated into the elective opportunities in the regular four-year medical curriculum. At graduation, graduates will receive an M.B.A. from the Faculty of Management and an M.D.,C.M. from the Faculty of Medicine.

Acceptance into this program has identical requirements as those required for the M.D.,C.M. Program.

Cost of Study: Tuition fees for the first three terms (fall, winter, and summer) of the joint M.D./M.B.A. program are $30,000 for International students, $6,259.47 for non-Quebec Canadian students, and $2,502.45 for Quebec students. Figures are given in Canadian dollars and are subject to change without further notice.

Student services, administrative, society fees and M.B.A. computer fees are not included. Tuition for the balance of the M.B.A. portion of the joint program will be prorated on a per credit basis.

Applications must be submitted no later than November 15, 2004. Further information can be obtained from: Program Administrator M.D./M.B.A.Program, McIntyre Medical Sciences Building, 3655Promenade Sir-William-Osler, Montreal, Quebec, H3G 1Y6. Telephone (514) 398-3517. Fax (514) 398-4631.

3.2.3 M.D./Ph.D. Program

Students interested in a research career in academic medicine may wish to apply for admission to the M.D./Ph.D. program. This is a seven-year program in which the basic and clinical sciences portion of the medical curriculum are completed from September of year one to December 31 of year two, prior to the beginning of full-time graduate studies. The latter are expected to last three, but no more than four, years by which time all course work and the research requirements for the Ph.D. degree must have been completed and a thesis submitted. The defense of the thesis will ordinarily take place at a later date. From January of year five to May of year seven students will complete the requirements for the M.D. degree.

Acceptance into the M.D./Ph.D. program is conditional upon fulfilling the requirements for and being accepted into the four-year medical curriculum and acceptance into a graduate program by one of the departments and the Graduate and Postdoctoral Studies Office. Students currently enrolled in the first year of the medical curriculum at McGill and who have a bachelor's or master's degree are eligible to apply before October 1 of second year.

Applications must be submitted no later than November 15, 2004. Further information can be obtained from: Program Administrator, M.D./Ph.D. Program, McIntyre Medical Sciences Building, 3655 Promenade Sir-William-Osler, Montreal, QC, H3G 1Y6.

3.2.4 MED-P Program

Prospective applicants who are citizens or Permanent Residents of Canada living in the province of Quebec and who are currently enrolled in the second and final year of the Sciences de la nature profile of the Quebec Colleges of General and Professional Education (CEGEP) are eligible to apply for the Med-P program.

Required courses:
Biology: OOUK, OOXU;
Chemistry: OOUL, OOUM, OOXV;
Mathematics: OOUN, OOUP;
Physics: OOUR, OOUS, OOUT.

Recommended course: second organic chemistry

All courses must have numerical grades in order to be acceptable. The Medical College Admission Test is NOT required for entry into the Med-P program.

The DEC Intégré may also be acceptable providing the candidates have completed the approved number of science prerequisites - two courses acceptable to both of the McGill Faculties of Medicine and Science in each of: Biology, Chemistry, Physics, and Mathematics. Should the course content of any of these fail to satisfy the criteria of the profile 10.11 of the structure d'accueil, the student may be required to replace electives by one or more of these courses as part of the Med-P curriculum.

Please note that:

a. applicants who are completing a Diploma of Collegial Studies in more than two years (with the exception of certain students taking a “double DEC” or those enrolled in an approved Sports-Études program);
b. CEGEP students who have formerly been enrolled in college or university programs or in post-secondary technical schools, within or outside of the province;
c. applicants who have already obtained a Diploma of Collegial Studies;
d. applicants who have already obtained a Diploma of Collegial Studies and who are registered in an undergraduate degree program or have completed an undergraduate degree;

must fulfill the requirements for, and make application to, the M.D.,C.M. program.

In the first year of the Med-P program students are registered in the Faculty of Science. In addition to completing the specific requirements for entry into the four-year program, they must take a number of humanities, social science, and elective courses selected for the purpose of broadening and enriching their education. Following the successful completion of this year, determined by a promotions committee, students proceed into the first year of the M.D.,C.M. program.

It should be noted that there are more applicants for the Med-P program than can be accepted. Unsuccessful applicants are often well qualified for admission into other undergraduate degree programs (e.g., B.A., B.Sc.). All applicants are advised to apply for an alternate program using the on-line application available at www.mcgill.ca/applying.

3.2.5 Advanced Standing

There are no places available for students who wish to transfer to McGill.

Students currently in medical school are eligible to apply to the first year of the program if their application provides proof of withdrawal from that medical school and that they meet all the admissions requirements to the M.D.,C.M. program.

3.3 Application for Admission

Application for admission should be made through online admissions at www.medicine.mcgill.ca/admissions. Applications for the entering class of August 2005 can be filed as of September 1, 2004.

All documents required for application, including official transcripts, MCAT scores (M.D.,C.M., M.D./Ph.D., M.D./M.B.A. programs only), autobiographical letter and reports of referees must be submitted by the deadlines given below to be acceptable. Transcripts must contain letter grades (GPA) or numerical grades for every course completed. The material submitted becomes the property of the University and cannot be returned.

The application fee is $60 and is non-refundable.

Applicants claiming Quebec residency must fulfill precisely one of the residency criteria as defined by the Quebec Ministry of Education on the “Attestation of residency in Quebec” form. These forms can be found on our Web site.

Appropriate consideration is given to qualified applicants with physical disability.

Applicants not admitted on the basis of a first application may submit a second application. Applicants making a third application to the M.D.,C.M. program are rarely successful and are strongly discouraged from applying.

DEADLINES FOR RECEIPT OF APPLICATIONS:

November 15, 2004 –
for applicants whose residence is outside of Quebec.

November 15, 2004 –
for all applicants to the M.D./Ph.D. program.

November 15, 2004 –
for applicants to the M.D./M.B.A. program.

January 15, 2005 –
for residents of Quebec applying for the M.D., C.M. program.

March 1, 2005 –
for residents of Quebec applying to the Med-P program.

Early Decision Program: Early acceptance (excluding Med-P applicants) for exceptionally strong candidates may be considered. Well-rounded students with a strong academic record and high MCAT scores may apply for the early decision program by clearly indicating that they want to be considered for this program. Applicants must ensure that all required documents (including official transcripts, official MCAT scores, autobiographical letter as well as three reference letters) are sent immediately to the admissions office.

Once the file is complete, the Admissions Committee will review it and a decision will be made within ten days as to whether early interviews will be offered. Successful candidates who accept our offer of admission to the Faculty of Medicine at McGill must withdraw their application(s) to, or acceptance(s) from, other medical schools in order to maintain their accepted status at McGill.

3.4 Procedures for Selection and Notification

3.4.1 Selection

Selection of students by the Admissions Committee is based upon academic achievement at the time of application and an assessment of personal characteristics and accomplishments.

Academic Achievement

Academic achievement is determined from the academic record in undergraduate studies and the result of the Medical College Admission Test. While completed graduate degrees are taken into consideration, applicants should know that the undergraduate CGPA and MCAT scores are the major consideration in measuring academic performance.

Applicants to the M.D.,C.M. program should have undergraduate CGPAs of 3.5 or better and similar grades in science prerequisites. They should have a total of 30 or more in the MCAT scores.

Academic achievement by applicants to the Med-P program will be evaluated on the basis of CRC scores and performance in the math/science prequisites. For the entering class of 2003, applicants invited for interviews had a CRC of 34 or higher.

A maximum of 160 students are accepted into the first year class. Students recently accepted had the following academic profile (mean scores): GPA 3.77 (4 point scale); CRC 36.21; MCAT: Verbal Reasoning 9.74, Physical Sciences 10.9, Biological Sciences 11.35, overall score 31.99.

Personal Characteristics and Accomplishments

The initial assessment of personal qualities and achievements is made from a study of the autobiographical letter submitted by all candidates. The letter should give the Committee a clear image of the applicant and the personal characteristics and experiences which make him/her particularly suitable for the study and practice of medicine.

On the first page only, applicants should describe briefly the basis for their decision to be a doctor and detail their experience and exposure to health care in general and more specifically to sick persons, doctors, and other health care workers. They should show that they understand all the implications of their choosing to study and practice medicine.

The remaining three pages should be devoted to examples of leadership, initiative, originality, empathy, compassion, service to others, whether in the community of their institution of study or beyond, evidence of communication skills, the ability to work in teams and interact positively with others. The ability to take initiative, excel in one's studies while engaging in depth in such things as team sports, student government, music, theatre, drama, art, creative writing and other endeavours which require dedication, determination and the capacity to handle the stress of coping with different enterprises are of particular importance to the Committee. The effort expended, the importance of the applicant's role, individual responsibility and level of achievement should be explained. **Clearly indicate when the activities cited began and ended.**

While past activities may be important to this narrative, more recent activities generally carry more weight with the Committee. Work experiences, travel, cultural interests and achievements or hobbies which the candidate can relate directly to his/her suitability for medicine should be mentioned. Personal qualities cited should be substantiated by examples of life experience to make them credible. Applicants not currently enrolled as students should indicate clearly what they have done since graduation. The date and outcome of the applicant's most recent medical examination should be given and any medical problems or time missed from studies because of illness should be briefly included.

Interview

The assessment of the autobiographical letter, together with the confirmatory statements and amplifications contained in the reports from those referees chosen by the student, form the basis for a decision on whether an applicant possessing the academic performance criteria is to be invited for an interview. The files of candidates who are not invited for interviews are not considered further.

The decisions described above are final and, once made, are not subject to appeal.

3.4.2 Notification

Applicants from outside of the province of Quebec will be notified as soon as possible after March 31, 2005, whether they have been accepted, placed on the waiting list, or not accepted. Residents of Quebec applying for the M.D., C.M. program will be notified as soon as possible after May 1, 2005. Decisions for the Med-P program will be mailed on May 15, 2005. Acceptance is conditional upon receipt of a bachelor's degree (M.D.,C.M., M.D./Ph.D., M.D./M.B.A. programs) or DCS (Med-P program) and upon the successful completion by the time of registration of any studies currently in progress, including the requirements for admission, at a level comparable to past academic performance.

Successful applicants must respond within two weeks to the offer of a place in the entering class.

For students accepted into the M.D.,C.M. program, notification of acceptance must be accompanied by a deposit of $500, which will be applied against tuition. The deposit is refundable up to May15, 2005 for U.S. and International students, and up to June15, 2005 for Out-of-Province Canadian applicants and Quebec residents applying to the M.D.,C.M. program.

For students accepted into the Med-P program, notification of acceptance of the offer must be accompanied by a deposit of $300, which will be applied against tuition. The deposit is refundable up to July 15, 2005.

It is strongly recommended that accepted applicants have a personal computer or personal digital assistant (PDA). Students should also have software for word processing, e-mail and Web browsing.

3.4.3 Compulsory Immunization Program

The basic Compulsory Immunization information is outlined in the General University Information, section1.4 "Vaccination/Immunization Requirements". Students who are accepted for the study of medicine will receive details of the immunization requirements with their letter of acceptance. ***Two immunization issues must, however, be taken into consideration prior to entry into medical school.***

Varicella (chicken pox): Students who do not have a clear, documented history of having had this childhood infection, must have their serology verified prior to registration. (It should be noted that a University-affiliated hospital may deny the student access to a clinical rotation if he/she is potentially contagious; this may impact on the student's studies.) In the event that the student's titre is negative, it is highly recommended that the student have a Varicella vaccination prior to registration. Failure to do so will compromise clinical rotations and may impact on the student's graduation date.

Hepatitis B and C: These are serious and potentially contagious diseases, and all prospective medical students who are seronegative for Hepatitis B must be vaccinated before they will be permitted contact with patients. Any student who, in pre-vaccination testing, is found to be carrying the Hepatitis B virus will not be permitted to perform medical procedures involving needles, scalpels, or other sharp objects as this poses a potential risk to the patient. This will severely limit the student's ability to participate fully in the medical school program and his/her ultimate career options may be severely restricted. Students who know themselves to be seropositive for Hepatitis B and/or C have an obligation to notify the Dean's Office immediately upon entry into the program. Early discussion is essential and specific measures will be undertaken by the Dean's Office. The student will be referred to the Infected Health Care Worker Committee of the McGill University Teaching

Hospital Council. In consultation with this Committee, modifications to clinical rotations will be made. Specific career counseling will be given. Students will be advised not to select residency programs where patient safety would be put at risk. Should core clinical rotations need to be modified notation of this will be made in the Dean's Letter/Medical Student Performancer Evaluation form (a document required for residency application process). Should a student apply to a residency program where patient safely would be put at risk, the Dean's Office has the duty to notify the Program Director that the student is seropositive.

Applicants who know that they are carrying either of these viruses should consider carefully their intention to become a doctor and govern themselves accordingly.

3.4.4 Deferred Admissions

Admission into the first year of the M.D.,C.M. program may be deferred for a period of one year for a defined academic purpose to obtain an advanced degree. However, students currently enrolled in graduate programs are expected to apply only when they are in the final year of that program.

A written request which includes the details of the proposed academic program must be submitted no later than August 1st of the year in which deferral is sought.

Deferred admission is not granted for the Med-P program.

3.5 Non-Quebec Students

The government of Quebec provides two quotas under which non-Quebec students may be admitted to study medicine at McGill.

1. Aquota for U.S. and International applicants, and
2. a quota for Canadians and Permanent Residents of Canada who do not reside in Quebec.

Should applicants be accepted under either of these quotas, their acceptance and obligations to same will be for the duration of their medical studies, regardless of any change in citizenship or residency status. The candidate, in accepting such an offer of admission, will accept these conditions.

As a measure to control manpower in the province, the Quebec government requires that all students who are not Quebec residents must agree in writing at the time of registration that if, upon completion of the four-year curriculum and residency training, they wish to remain in the province, they will practice for a defined period of time in one of the areas designated as medically underserved. It should be noted that this requirement does not interfere in any way with the right to study medicine in Quebec or, following graduation, to take residency training in Quebec.

3.5.1 American Students

The Faculty encourages applications from United States citizens and offers admission to a considerable number of such applicants each year. Students accepted for admission must have a student authorization by the date of registration. Instructions for making application for this authorization are included with the letter of acceptance.

The Faculty of Medicine is accredited by the Liaison Committee on Medical Education of the AAMC and AMA, and studying at McGill is equivalent to studying medicine in a U.S. medical school. U.S. students studying at McGill write the USMLE exams in the same way and at the same time as U.S. students studying in U.S. medical schools.

While U.S. medical students are eligible to do residency training at McGill, U.S. program directors recognize the high calibre of McGill graduates and those students are very competitive in their U.S. residency applications.

Students should know that acceptance into residency programs of any province are governed by province-specific rules and regulations. Currently, only Quebec accepts McGill Visa students into residency programs.

Tuition for non-Canadian students is appreciably higher than for Canadian students. U.S. citizens benefit, however, with respect to all costs from a favourable exchange rate on the Canadian dollar.

3.5.2 International Students

The Faculty also encourages applications from citizens of other foreign countries and offers admission to a number of such students each year. Most applicants have undertaken some or all of their undergraduate studies in Canadian or U.S. colleges. Students accepted for admission must have a student authorization by the date of registration. Instructions for making application for this authorization are included with the letter of acceptance.

It is the personal responsibility of the International students to ensure that they fulfill all the licensing requirements of the country in which they intend to practice medicine. A medical degree does not necessarily confer the right to practice. Therefore, any International student must submit along with his/her application form, a letter issued by the responsible authorities in his/her country indicating that they recognize the medical degree awarded by the Faculty of Medicine at McGill University and that this degree will enable this student to practice medicine in his/her country.

Students should know that acceptance into residency programs of any province are governed by province-specific rules and regulations. Currently, only Quebec accepts McGill Visa students into residency programs.

At the present time, international students wishing to pursue residency training in the USA should be aware that the appropriate route to do so is the J-1 Visa.

3.5.3 Out-of-Province Canadian Students

A very limited number of places will be made available by the Quebec government.

3.6 Registration

New Students

All students entering the four-year M.D.,C.M. program in 2004-05 must initiate registration on the Web by adding the registration course REGN-RCMD on Minerva.

The Minerva Registration period for newly admitted Medicine students is August 3 - August 10, 2004.

In order for the official registration in the M.D.,C.M. program at McGill to be confirmed, the student must also present him or herself, with proper documentation, at the Faculty Registration and Orientation on Wednesday, August 11, 2004. **ATTENDANCE IS COMPULSORY**. Failure to attend will result in cancellation of the student's offer of admission to the program and registration.

For further information, consult the Web at www.mcgill.ca/minerva and the registration information being mailed to incoming students in June.

Returning Students

All returning students must register for 2004-05 on the Web by adding the registration course REGN-RCMD on Minerva. Returning students must register by the deadline specified or pay the appropriate late registration fees.

For further information, consult the Web at www.mcgill.ca/minerva and the registration information mailed to returning students in early April.

3.7 Collège des Médecins du Québec

All students studying medicine in a university of the province of Quebec are required by law to register with the Collège des Médecins du Québec by October 15 of their first year of study. Registration packages are made available to accepted students. A student who fails to comply with this requirement will not be permitted to continue in the program.

3.8 Curriculum Outline

BASIS OF MEDICINE

Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.
Molecules, Cells & Tissues (4 weeks)	Gas, Fluids & Electrolytes (9 weeks)		Life Cycle (3 weeks)	Endocrinology, Metabolism & Nutrition (7 weeks)		Musculo-skeletal & Blood (4 weeks)	Nervous System & Special Senses (8 weeks)		Host Defense & Host Parasite (5 weeks)	Vacation/ Research	
ITP											

INTRODUCTION TO CLINICAL MEDICINE (ICM)

Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.
Host Defense & Host Parasite (2 weeks)	Pathobiology, Treatment & Prevention of Disease (14 weeks)			Pro-fessional Skills: ICS Ethics & Law EBM (4 weeks)	Intro to Internal Medicine (7 weeks)		Intro to Surgery/ Anesthesia/ Radiology/ Opthalmology (7 weeks)	WCT	Intro to Emerg. Med/ Neurology/ Oncology	Elective #1 (4 weeks)	Vacation/ Research
ITPM									Family Medicine (7 weeks)		

PRACTICE OF MEDICINE (POM)/CLERKSHIP

Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June	July	Aug.
Intro to Psychiatry/ Pediatrics/ Ob & Gyn/ Hosp. Practice (4 weeks)	Pediatrics (8 weeks)	Obstetrics & Gynecology (8 weeks)		Surgery (8 weeks)		Psychiatry (8 weeks)		Internal Medicine (8 weeks)		Elective #2 (4 weeks)	Geriatric Medicine (4 weeks)

BACK TO BASICS (BTB)

Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March		April
Family Medicine (4 weeks)	Elective #3 (4 weeks)	Vacation (4 weeks)	Elective #4 (4 weeks)	Seminar Option (Human-ities) (3 weeks)	Medicine & Society (4 weeks)	Seminar Options (3) (Basic Sciences)		
						(3 wks)	(3 wks)	(3 wks)
				Ambulatory Medicine/Communication Plus				

3.9 Courses for the Degree of M.D.,C.M.

Four years of medical study in the University leads to the degree of M.D.,C.M.; an additional period of postgraduate training is necessary for licensure.

While the Faculty's administration exercises a general supervision of arrangements for postgraduate applications, the Faculty of Medicine does not assume the responsibility for providing residencies for students.

Educational Goals of the Curriculum

The primary focus of the undergraduate program is to teach and help the students apply core knowledge, skills and attitudes required of a medical professional. The program will emphasize the fundamental sciences and scientific methodology as pillars of medical knowledge. It will promote and provide opportunities for participation in research and other scholarly activities contributing to the development of new knowledge. It will nurture and enhance an understanding of the meaning of, as well as the personal qualities and values essential to the Physician as Healer and Professional. It is the goal of this school to train professionals who will apply scientific principles throughout their career and who will be able to meet the most stringent international standards of the medical profession.

The student must understand normal and abnormal biological structure and function; normal and abnormal psychology and behaviour; the biological, social, psychological, cultural, environmental and economic determinants of health and illness; the ethical, professional and legal responsibilities in medical practice; and the conceptual framework for interdisciplinarity. The student must acquire the basic clinical skills to assess and manage patients of all ages: these include communicating effectively with patients, families and colleagues; obtaining a comprehensive clinical history; performing a physical examination; performing routine procedures appropriate to the setting; and initiating appropriate investigations and treatment plans (preventive, acute, chronic, intensive, rehabilitative and palliative). The student must solve problems, make decisions, and address ethical dilemmas in the clinical context. The student must demonstrate an ability to collaborate in an interdisciplinary approach to patient/family centered care, and assume a leadership role when appropriate.

The student must demonstrate a commitment to life-long learning and scholarship, develop the skills to search, retrieve, manage and appraise biomedical information, and be able to evaluate the design and results of medical research. The student must behave with commitment, integrity, honesty and compassion.

Upon completion of the medical undergraduate program, the graduate will be able to function responsibly in a supervised clinical setting at the level of an undifferentiated physician. A detailed description of the goals and objectives can be found on the Undergraduate Medical Education Office Web site www.medicine.mcgill.ca/ugme.

3.10 Standards of Behaviour

The teacher/learner relationship is based on mutual trust, respect and responsibility. The Faculty of Medicine therefore has many legitimate expectations related to the behaviour of students and faculty members. A Code of Conduct for the undergraduate medical program is printed in the Students' Handbook (distributed at orientation) and may be reviewed on the Web at www.medicine.mcgill.ca/ugme. The Faculty is committed to providing a learning environment which respects this Code. Student/faculty harassment, abuse and mistreatment are not tolerated. An evaluation protocol for professional behaviour is being piloted in selected clinical rotations. It is anticipated that evaluation of professionalism will be a requirement for all curricular components during the year 2005-2006. Students who demonstrate inappropriate professional conduct or are found guilty of a criminal offence may be dismissed from the program.

3.11 Leaves of Absence

Leaves of absence are generally discouraged and with few exceptions are granted only for reasons of health or family crises. Requests for leaves must be discussed with the Associate Dean. Permission is granted by the Dean. A request must be accompanied by supporting documentation (e.g., a letter from the student's physician/counsellor). In general, a medical leave is granted for up to one year. The Faculty reserves the right to impose a limitation on the number as well as the total duration of leaves.

A student returning from a medical leave must provide supporting documentation from the treating physician/counsellor. These documents must state that the student is capable of resuming his/her studies.

Should a prolongation be requested, the Faculty of Medicine reserves the right to require a second opinion from a Faculty-designated physician.

Once the leave has been approved by the Deans, the student's registration and fees must be clarified with the Student Records Officer. Students may be required to forfeit all or part of their tuition fees. All students must have an interview with the Student Aid Office to reassess impact on financial aid.

Leaves of absence will be noted on official transcripts and Dean's Letter/Medical Student Performance Evaluation form.

3.12 Curriculum Review

The Faculty realizes the need for constant review of the medical curriculum that is necessitated by:

a. rapid advances in scientific knowledge;
b. changes in the role of the medical school in the community and changes in the delivery of health care;
c. modifications to the class size (as mandated by the provincial government);
d. modifications to clinical training sites as mandated by the provincial government;
e. application of new principles of educational science to medical education.

A permanent Faculty Curriculum Committee, with student representation, is charged with the task of reviewing the curriculum and recommending any modifications of time allocation or content. M.D., C.M. curriculum renewal for the teaching of physicianship is currently under way. *These modifications may be implemented at any time during the M.D., C.M. program.*

3.13 Evaluation System

The Evaluation System is multifaceted and under constant review by the Faculty. The Faculty reserves the right to change any of these rules and regulations at any time, although in general such changes will not come into effect in the middle of a Promotion Period. For complete Faculty regulations, reference should be made to the Faculty of Medicine Student Handbook which is updated annually on the Web at www.medicine.mcgill.ca/ugme under "student evaluation".

The Faculty operates on a modified pass/fail system. This in effect means that students' standings, class rank, and grades in courses and rotations are not available to any external agency such as hospitals, universities or licensing bodies. For purposes of internal use students' numerical grades are used in the calculations required for student feedback, academic advising and promotion, awards, prizes, Dean's Honour List designation, academic bursaries and Faculty medals.

For the purposes of evaluation, the four-year curriculum is broken down into the following promotion periods.

Promotion Period I
Units 1 to 6 and Introduction to the Patient

Promotion Period II
Units 7, 8, 9 and Introduction to the Practice of Medicine
(The beginning of Year II to end of Unit 9)

Promotion Period III
Introduction to Clinical Medicine

Promotion Period IV
Practice of Medicine

Promotion Period V
Back to Basics

STUDENT PROMOTIONS

The Committee on Student Promotion and Curriculum Outcomes (CSPCO) will review the academic record, professional conduct and general performance of any student on a regular basis and will determine whether the student may proceed to the next promotion period.

No evaluation, examination mark, etc. shall be considered final until passed by the Committee on Student Promotion and Curriculum Outcomes.

Where a student has failed one or more units, or has been found to have been engaged in unprofessional conduct, the Committee on Student Promotion and Curriculum Outcomes will automatically review the student's entire academic record and general performance. The Committee on Student Promotion and Curriculum Outcomes may require the student: a) to undergo remedial rotation(s), b) to repeat an entire Promotion Period, c) to be suspended from the program for up to one year or d) to be dismissed from the program. A student who obtains a "failure" or two or more "below expectations" may be placed on probation.

Academic offences such as plagiarism and cheating on examinations, including examinations administered by the Faculty of Medicine on behalf of external agencies, and unprofessional conduct, are considered serious offences which could lead to dismissal from the program. A student who engages in criminal activity and/or who is found guilty of having violated the criminal code will have his/her dossier referred to the CSPCO; this may be considered evidence of unsuitability for the practice of medicine and grounds for dismissal from the program.

The Faculty reserves the right to dismiss from the program any student who is considered incompetent and/or unsuitable for the practice of medicine.

Promotion Period I
Evaluation will be reflective of the objectives of an individual unit.

The students' performance in each unit will be assessed by intraunit and final evaluation.

The student must complete all units in Promotion Period I successfully and attain a defined average in order to be promoted to Promotion Period II (see Student Handbook for details).

The Committee on Student Promotion and Curriculum Outcomes will review the record of any student failing a unit and, under certain conditions, remedial activity and a supplemental evaluation will be permitted.

Promotion Period II
Evaluation will be reflective of the objectives of an individual unit.

The students' performance in each unit will be assessed by intraunit and final evaluation.

The student must complete all units in Promotion Period II successfully and attain a defined average in order to be promoted to Introduction to Clinical Medicine (see Student Handbook for details).

Promotion Period III

Evaluation will be reflective of the objectives of an individual unit.

The student must complete all units in Introduction to Clinical Medicine successfully in order to be promoted to the Practice of Medicine (see Student Handbook for details).

Promotion Period IV

Evaluation will be reflective of the objectives of an individual Clerkship Rotation.

The students' performance in each Clerkship or Elective will be assessed by clinical supervisors and written/oral/OCSE exams. The student must complete all units in Practice of Medicine successfully in order to be promoted to Back to Basics (see Student Handbook for details).

Promotion Period V

The student must complete all courses in Back to Basics successfully in order to graduate (see Student Handbook for details).

FAILURE OF SUPPLEMENTAL EXAMINATIONS OR REMEDIAL ROTATIONS

A failure in a supplemental examination or remedial rotation in Promotion Periods I, II, III, IV, and V will result in the student being required to repeat the Promotion Period or to be dismissed from the program as determined by the CSPCO. A failure on a remedial in Promotion Period IV will result in dismissal from the program. A student may not repeat more than one Promotion Period in the curriculum. Failure in any unit/course during a repeat Promotion Period will result in immediate dismissal from the program.

The results of all supplemental examinations and the evaluation result of remedial clinical rotations will be recorded in the official transcripts as supplemental examinations, and will be considered as such for purposes of promotion.

Notification of Failures: It is the student's responsibility to be available for notification of a failing grade. If a student is unable to be located after a reasonable effort by the Dean's office, the consequences will be borne fully by the student.

3.14 Medical Instruments

Students will be required to purchase their own medical instruments (e.g., stethoscope, blood pressure cuff, ophthalmoscope, reflex hammer). These are necessary for the Introduction to Clinical Medicine.

The purchase of a handheld computer is highly recommended for ICM and POM.

3.15 Requirements for the Degree of M.D.,C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty years of age.
2. Candidates must have fulfilled all the requirements for entrance to the Faculty of Medicine.
3. No one is permitted to become a candidate for the degree whohas not attended at least two full academic years at this University's Faculty of Medicine.
4. Every candidate for the degree must have passed all the required evaluations of the medical curriculum.

RESIDENCY MATCHING SERVICES

A matching service is a clearing house designed to help final year medical students obtain the residencies of their choice and to help hospitals and program directors obtain the students of their choice. It provides an orderly method for students to decide residency choice and for programs to decide which applicants they wish to enrol. For both students and program directors, it attempts to remove the factors that generate unfair pressures and premature decisions.

The matching service acts as the agent of students on the instructions embodied in the confidential list of all the residencies for which they have applied, ranked in order of preference. Similarly, the matching service acts as the hospital's agent on the instructions embodied in its confidential list of all the students who have applied, ranked in order of the hospital's preference.

Students at McGill have access to different matching services including the Canadian Resident Matching Service which matches applicants across Canada and the National Resident Matching Program which matches applicants to programs in the U.S.

The Faculty provides comprehensive career guidance. Information sessions and personal counselling are provided throughout the program. Students are given assistance in navigating the residency application process. To this end, the Faculty makes use of its extensive alumni network throughout North America.

3.16 Requirements for Licence

Candidates accepted for admission are reminded that it is their personal responsibility to ensure that they fulfil all the licensing requirements of the country in which they intend to practise medicine. A university degree does not confer the right to practise. In each province of Canada, in each one of the United States, and in all other countries, the authority to license is vested in a licensing body which has its own special laws and requirements. In many cases a special standard of general education is insisted upon before **beginning** the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years or more before a licence to practise can be obtained.

Candidates accepted for admission should therefore communicate as soon as possible with the licensing body of the country, province or state in which they intend to practise and obtain from that licensing body the necessary instructions.

Candidates wishing to practise medicine in the province of Quebec must also meet the French language requirement for professionals, as described in the General University Information section1.9 “Language Requirements for Professions”.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards as follows:

Alberta - Registrar, 10180 - 101th Street, Suite 900, Edmonton, AB 5J 4P8

British Columbia - Registrar, 1807 West 10th Avenue, Vancouver, BC V6J2A9

Manitoba - Registrar, 1410 - 155 Carlton Street, Winnipeg, MB R3C3H8

New Brunswick - Registrar, 400 Main Street, Suite 1078, Saint John, NB E2K4N5

Newfoundland - Registrar, 15 Rowan Street, Churchill Park Chambers, St. John's, NF A1B2X2

Nova Scotia - Registrar, 5248 Morris Street, Halifax, NS B3J1B4

Ontario - Registrar, 80 College Street, Toronto, ON M5G2E2

Prince Edward Island - Registrar, 199 Grafton Street, Charlottetown, PE C1A1L2

Quebec - President-Secretary General, 2170 Rene Levesque Boulevard W., Montreal, QC H3H 2T8

Saskatchewan - Registrar, 211 - 4th Avenue S., Saskatoon, SK S7K1N1

Medical Council of Canada

Full information concerning the examination may be obtained by writing to the Registrar, Box 8234, Stn.T, Ottawa, ON, K1G3H7. Telephone: (613) 521-6012. Web site: www.mcc.ca

USMLE

Full information concerning these examinations may be obtained by writing to the USMLE Secretariat, 3750 Market Street,

Philadelphia, PA 19104-3190. Telephone (215) 590-9600. Website: www.usmle.org .

3.17 Graduate Training Programs in the Clinical Departments of the Faculty of Medicine

The Faculty of Medicine, in conjunction with the affiliated teaching hospitals, offers a wide variety of programs leading to McGill Certificates of Residency Training and certification by the Collège des Médecins du Québec, the College of Family Physicians of Canada, and the Royal College of Physicians and Surgeons of Canada. For information on the graduate medical programs available and eligibility and funding, please consult the following Web site: www.medicine.mcgill.ca/postgrad.

3.18 Graduate Studies and Research in the Medical Sciences

Opportunities for graduate work in the basic medical and clinical sciences leading to the degrees of M.Sc. and Ph.D. are offered by many of the departments of the Faculty of Medicine. By special arrangement, studies for the degree of M.Sc. can be pursued concurrently with work towards the M.D.,C.M. degree. In addition, a combined M.D./Ph.D. program is available (further information can be obtained from Program Administrator, M.D./Ph.D. Program, McIntyre Medical Sciences Building, 3655 Promenade Sir-William-Osler, Montreal, Quebec H3G 1Y6). Details of the programs available are included in *Graduate and Postdoctoral Studies Calendar* available on the Web at www.mcgill.ca/courses.

Research in clinical disciplines is carried out at all locations of the McGill University Health Centre – the Montreal Children's Hospital, the Montreal General Hospital, the Royal Victoria Hospital, the Montreal Chest Institute and the Montreal Neurological Hospital. Research opportunities are also available at the Lady Davis Institute of the Jewish General Hospital, the Douglas Hospital and the Shriners Hospital for Crippled Children. For administrative purposes, graduate work in several clinical departments is grouped under the Division of Experimental Medicine and the Division of Experimental Surgery. Other departments administer individual graduate programs. Consult the *Graduate and Postdoctoral Studies Calendar* for a description of the programs.

Inquiries concerning research training in the medical sciences should be directed to the chair or graduate program director of the department in which the candidates wish to receive their graduate education. Alternatively, letters may be addressed to the Associate Dean (Graduate Studies and Research), Faculty of Medicine.

4 Curriculum Components and Units

4.1 Basis of Medicine (BOM)

UNIT 1 –
INDS 101 MOLECULES, CELLS AND TISSUES. (6) This unit will examine the biosynthesis and assembly of macro-molecules with emphasis on cell and tissue organization and function. The structure and organization of the skin, nerves and the embryo will be surveyed in detail and used as model systems to study the major biochemical, physiological, genetic and molecular principles of cells.

UNIT 2–
INDS 103 GAS, FLUID AND ELECTROLYTES.(14) This unit will discuss the embryological development, gross anatomy, histology and physiology of the cardiovascular, respiratory and renal systems. The biochemistry of lipids and proteins and the anatomy and physiology of the autonomic nervous system will also be covered.

UNIT 3 –
INDS 105 LIFE CYCLE. (4) This unit is designed as an introduction to the basic science that will enable the student to understand human reproduction. The embryology, histology, and anatomy of the reproductive tract will be covered. Human development from genetics, to embryo, to parturition, will be explored and how this knowledge can be applied to clinical medicine in resolving problems of infertility, fetal and maternal morbidity, and menopause.

UNIT 4 –
INDS 104 ENDOCRINOLOGY, METABOLISM AND NUTRITION. (11) This unit provides an overview of the gross and microscopic structure of the gastrointestinal tract and its accessory organs, along with a grounding in the principles of nutrition and digestion. Emphasis is also placed on those aspects of system and molecular endocrinology which regulate and integrate various metabolic activities.

UNIT 5 –
INDS 102 Musculoskeletal and Blood.

(6) The objectives of this unit are to study the structure and function of the components of the musculoskeletal and blood systems. The interaction of the structure and function will be examined. The embryology, macroscopic and microscopic anatomy as well as molecular structure and function relating to the musculoskeletal and blood systems will be discussed. Lectures, laboratory sessions, small group seminars as well as audio-visual presentations, multi-discipline clinically applied sessions, computer assisted instruction and independent self-directed learning will be utilized to achieve these goals.

UNIT 6 –
INDS 106 NERVOUS SYSTEM AND SPECIAL SENSES. (12) The content of this unit includes the anatomy of the head and neck and anatomical, physiological, biochemical and behavioural aspects of the organization of the nervous system and special senses. The material is presented in an integrated series of lectures and laboratory classes combined with small group clinical problem sessions designed to illustrate the clinical relevance of the material.

UNIT 7 –
INDS 207D1 (6), INDS 207D2 (6) HOST DEFENSE AND HOST/PARASITE. (Students must register for both INDS 207D1 and INDS 207D2.) (No credit will be given for this course unless both INDS 207D1 and INDS 207D2 are successfully completed in consecutive terms) Infectious diseases arise from dynamic interactions between humans and microorganisms. Using lectures, case-oriented small groups, laboratory sessions, and independent learning, an integrated overview of the basic microbiology of organisms, our immune defenses and how they may be subverted, and approaches to the prevention and control of infection will be provided.

INDS 207D2 HOST DEFENSE AND HOST/PARASITE.

UNIT 8 –
INDS 208 PATHOBIOLOGY TREATMENT & PREVENTION OF DISEASE. (20) This unit covers the scientific basis of the diagnosis, prevention and drug therapy of selected diseases. The organ/system approach examining pathogenesis, pathology and pathophysiology, and pharmacological principles of treatment of diseases in the individual is integrated with the epidemiology and genetics in the population.

UNIT 9 –
INDS 161J1 INTRODUCTION TO THE PATIENT. Addresses the psychological social dimensions of human nature in health and illness. The small group program introduces students to the practice of medicine via exposure to health care teams in clinical settings and provides a forum to discuss psychosocial and ethical aspects of the practice of medicine.

INDS 161J2 INTRODUCTION TO THE PATIENT. (1.7) (Prerequisite: INDS 161J1) (Students must also register for INDS 161J3) (No credit will be given for this course unless INDS 161J1, INDS 161J2 and INDS 161J3 are all successfully completed in consecutive terms) See INDS 161J1 for course description.

INDS 161J3 INTRODUCTION TO THE PATIENT. (1.6) (Prerequisite: INDS 161J2) (No credit will be given for this course unless INDS 161J1, INDS 161J2 and INDS 161J3 are all successfully completed in consecutive terms) See INDS 161J1 for course description.

INDS 203 INTRODUCTION TO PRACTICE OF MEDICINE. (2) An introduction to clinical data gathering in Medicine - particularly interviewing and history-taking. This will be introduced in lecture format and practiced in small groups with tutors. The doctor-patient relationship will also be studied. This course follows the Introduction to the Patient Course and shares its small group program. It may be considered as preparatory to the Introduction to Clinical Sciences Course.

4.2 Introduction to Clinical Medicine (ICM)

INDS 301 INTRODUCTION TO CLINICAL SCIENCES.(2) This course will teach all parts of history taking and physical examination in an objective and structured fashion. The course will be taught in small groups with one or two group leaders who will take the students through the principles of history taking and physical examination in a prearranged and structured mode. In the second and third week of the course, the students are asked to hone their skills by doing one written case report and physical examinations on patients from the ward. In the latter two weeks of the course, the students continue to refine their skills in groups, at the bedside, with their tutor.

INDS 302 MEDICAL ETHICS AND HEALTH LAW - ICM.(1) The objectives of this course are to familiarize students with the basic ethical and legal issues and problems arising in clinical medicine and to develop the skills needed to identify and resolve ethical dilemmas. Emphasis is placed on the following subjects: informed consent, risk disclosure, patient competence, confidentiality, research ethics, discontinuing life support, physician impairment, and ethics in the team context.

INDS 306 INTRODUCTION TO EVIDENCE-BASED MEDICINE.
The Introduction to Evidence-Based Medicine course introduces students to medical informatics, electronic resources and the skills necessary to critically appraise the medical literature.

Note: these three courses (above)are taught in a four-week unit called Professional Skills.

Introduction to Surgery, Surgical Skills (SURG 301), Anesthesia (ANAE 301), Radiology (RADD 301), and Ophthalmology (OPTH 300)
This 7-week unit will provide an introduction to surgery and related disciplines. The teaching occurs generally in small group settings or one-on-one with a clinical supervisor. It takes place in the in-patient hospital setting.

For course descriptions, refer to the appropriate unit in section5 "Departments and Units in the Faculty of Medicine".

Introduction to Family Medicine (FMED 301), Neurology (NEUR 301), Principles of Oncology (INDS 307), and Emergency Medicine (INDS 304)
This 7-week unit includes 2-week rotations in each of neurology, emergency medicine and oncology. The neurology and emergency medicine experience is in hospital settings. The oncology experience is entirely based in ambulatory settings involving clinics in medical, surgical, pediatric and radiation oncology. All students are assigned to a family medicine practice, on the Island of Montreal, for one half day per week during this block. There is also one week of whole class/cohort teaching, held in the McIntyre Building, where the focus is on health promotion and disease prevention.

Introduction to Pediatrics (PAED 301), Obstetrics and Gynecology (OBGY301), and Psychiatry (PSYT 302)
This 4-week unit introduces students to clinical aspects of Pediatrics, Obstetrics and Psychiatry. The teaching format is a combination of lectures and small groups. The unit also includes a module entitled Introduction to Hospital Practice; it aims to prepare the students for the clerkship rotations.

For course descriptions, refer to the appropriate unit in section5 "Departments and Units in the Faculty of Medicine".

ICM Elective (ELEC 300)
There is a 4-week elective rotation which can be taken in either July or August.

4.3 Practice of Medicine (POM)

The 52-week period of POM includes instruction in all the following disciplines: Internal Medicine, Surgery, Geriatric Medicine, Family Medicine, Obstetrics and Gynecology, Psychiatry, Paediatrics. There are also three elective months.

A more detailed description of these clerkship rotations is available in the unit entries which follow.

4.4 Back to Basics (BTB)

This final block of teaching occurs following the clerkship (POM) rotations. Its primary goal is to reintroduce the student to fundamental principles in the basic sciences within a context quite different from that of the first year. The student will enter Back to Basics having had a broad clinical experience. The basic sciences will be appreciated not only as a necessary foundation, but also as an essential element of future developments. This goal will be achieved by a seminar series that will focus on topics in basic sciences having particular relevance to current clinical practice. The seminars will present an in-depth review of areas where there has been recent scientific development. These will be presented to the students as options; from which they will select three different topics. One of the options selected must be in the humanities.

In addition to the seminar series, students will have continued clinical exposure. They will refine their clinical skills, in an ambulatory care setting, two half-days per week for 12 weeks.

There is a compulsory two-week course in molecular biology. The course will introduce the student to important basic research topics, fields or approaches; focus on overall objectives of research and underlying principles of methodologies rather than on technical details.

There is also an obligatory four-week course entitled "Medicine and Society". This course will allow students to appreciate the complexity and diversity of medical knowledge as they prepare for post-graduate training. Perspectives in history, epidemiology, ethics, and economics will be provided. Issues such as health indicators, alternative medicine, and community health perspectives will be covered.

4.5 Electives

Major electives are offered during ICM (Introduction to Clinical Medicine) and POM (Practice of Medicine), by the following Departments: Anatomy, Anesthesia, Biochemistry, Biomedical Engineering, Emergency Medicine, Epidemiology and Biostatistics, Family Medicine, Geriatrics, Humanities and Social Studies of Medicine, Medicine, Microbiology and Immunology, Neurology, Neurosurgery, Nutrition, Obstetrics and Gynecology, Ophthalmology, Otolaryngology, Pathology, Pediatrics, Pharmacology and Therapeutics, Physiology, Psychiatry, Diagnostic Radiology, Radiation Oncology, Sports Medicine, Surgery and Tropical Medicine.

Details are published in the "Elective Calendar" and on the Web (UGME site). Further information may be obtained from the Coordinator (Elective Program), Faculty of Medicine.

5 Departments and Units in the Faculty of Medicine

5.1 Anatomy and Cell Biology

Core Courses
This Department contributes to the multidisciplinary curriculum components of Basis of Medicine and Back to Basics.

Anatomy for Surgeons
A course of practical anatomy, seminar presentations and clinical anatomical conferences is given during Back to Basics which supplements the knowledge of human anatomy obtained in the core program. It is especially designed to provide the anatomical basis for surgical practice.

Other Courses
The Department offers a range of courses leading to the Faculty Program/Major/Honours B.Sc. in Cell Biology and is well equipped for graduate research leading to the M.Sc. and Ph.D. degrees. See the *Graduate and Postdoctoral Studies Calendar* and the Faculty of Science section of the *Undergraduate Programs Calendar*.

5.2 Anesthesia

Anesthesia is primarily concerned with the relief of pain and the provision of unconsciousness during surgery. In addition, it takes an active role in the care of the critically ill, in providing analgesia in obstetrics and in managing acute and chronic pain. It is a specialty with a heavy emphasis on the clinical application of the basic sciences.

ANAE 301 ANESTHESIA - ICM. (1) A one-week core rotation is required of all students. Students are given supervised experience in the basics or A-B-Cs of resuscitation. They are expected to participate in preoperative, intraoperative and postoperative anesthesia care. Clinical applications of pharmacology and physiology are demonstrated.

Electives
Electives are offered to students during their Clerkship year. The objectives are to involve students in aspects of anesthesia care commonly encountered in the operating room, recovery ward and intensive care unit. These include fluid and transfusion therapy, management of acute pain relief, regional and general anesthesia techniques. The elective permits students to administer general anesthesia under strict supervision and to become involved in preoperative and postoperative patient care. Specialised electives in pediatric and obstetric anesthesia, clinical research and other subspecialties can be individually arranged.

5.3 Artificial Cells and Organs Research Centre

Web site: www.medicine.mcgill.ca/artcell

The Research Centre provides opportunity for interdisciplinary research and training in the clinical and laboratory aspects of artificial cells, blood substitutes, artificial liver, artificial blood, immobilized cells and recombinant microrganisms, biomaterials, detoxification, gene therapy, enzyme therapy, drug delivery, biotechnology, and others.

Graduate courses are offered in Experimental Medicine, Physiology, and Biomedical Engineering. See the *Graduate and Postdoctoral Studies Calendar*. Electives, summer research, graduate research, and post-doctoral research are offered.

5.4 Biochemistry

Core Courses
This Department contributes to the multidisciplinary curriculum components of Basis of Medicine and Back to Basics.

Other Courses
The Department offers a range of courses leading to the Majors/Honours B.Sc. in Biochemistry and is well-equipped for graduate research leading to the M.Sc. and Ph.D. degrees. See the *Graduate and Postdoctoral Studies Calendar* and the Faculty of Science section of the *Undergraduate Programs Calendar*.

5.5 Biomedical Engineering

Web site: www.bmed.mcgill.ca

Graduate Courses
The Department of Biomedical Engineering provides instruction and opportunities for interdisciplinary research in the application of engineering, mathematics and the physical sciences to problems in medicine and the life sciences. Courses are offered for graduate students in the life sciences, and in engineering and the physical sciences leading to the Master's and Ph.D in Biomedical Engineering. See the *Graduate and Postdoctoral Studies Calendar.*

5.6 Diagnostic Radiology

Core Courses
This Department contributes to the multidisciplinary curriculum components of Basis of Medicine and Introduction to Clinical Medicine.

RADD 301 RADIOLOGY - ICM. This course follows the normal radiological anatomy covered in the Basis of Medicine. It is a one-week rotation that includes a practical approach to common clinical problems. The students will spend time in all the MUHC hospital radiology departments and will be exposed to common pathologies of the chest, abdomen, musculoskeletal, neurologic and pediatric subspecialties.

5.7 Epidemiology and Biostatistics

Core Courses
This Department contributes to the multidisciplinary curriculum components of Basis of Medicine, Introduction to Medicine, and Back to Basics. In addition, see the Elective Program for elective opportunities in epidemiology and community health.

Introduction to Epidemiology and Biostatistics
(Part of Basis of Medicine - Unit 8)
Lectures and small group tutorials which cover basic principles of epidemiology and biostatistics as applied in clinical and community settings. Included are research design and methods, dealing with bias and confounding, screening and risk appraisal, statistics, and critical appraisal of the literature.

Public Health and Preventive Medicine
(Part of Back to Basics – Medicine and Society)
This is a short intensive course which consolidates knowledge, attitudes and skills related to public health and clinical preventive medicine. Lectures examine public health issues in prevention and health protection and promotion, including health system organization, community diagnosis, urban health, social inequalities in health, as well as implementing preventive medical services in clinical practice. Through specific case studies in small group tutorials, students gain the skills necessary to identify public health problems and collaborate with public health authorities in controlling threats to the public health.

INDS 306 Introduction to Evidence-Based Medicine
The Introduction to Evidence-Based Medicine course introduces students to medical informatics, electronic resources and the skills necessary to critically appraise the medical literature.

Graduate Courses
The Department of Epidemiology and Biostatistics has four degree programs: Diploma, Master's (without thesis), Master's (with thesis) and the Ph.D. See the *Graduate and Postdoctoral Studies Calendar* for description of courses and programs.

5.8 Family Medicine

Core Courses
This Department contributes to the multidisciplinary curriculum components of Basis of Medicine, Introduction to Clinical Medicine, and Practice of Medicine.

FMED 301 FAMILY MEDICINE - ICM. (1) This course offers an ambulatory experience in Family Medicine. It consists of ten half-days. This time will be divided between a family physician's office and small group tutorials. The content includes an introduction to the principles of family medicine and patient-centered care, to the role of the family physician in our health care system, and to the diagnosis and management of common medical problems seen in an office setting. It will also include an opportunity to learn how to perform a sensitive pelvic examination which will be taught by trained gynecological teaching assistants in a small group session.

FMED 402 FAMILY MEDICINE - CLERKSHIPS. (4) This four-week core rotation provides an opportunity for the student to become acquainted with the discipline of family medicine. During this rotation, the student is expected to learn the principles of family medicine while working in an ambulatory care setting. The student will join a primary care team and will participate in clinical decision-making and mangement.

The Clerkship may be done in one of three ways:

1. A rotation in a McGill-affiliated urban Family Medicine centre. These may be hospitals or CLSC Family Medicine units.
2. A rotation in a McGill-affiliated rural site. The Ministry of Social Affairs funds travel and lodging costs for students.
3. It is possible for a few students to request special four-week Family Medicine clerkship experiences outside of the Montreal and remote area teaching programs. For these, requests have to be submitted to the Course Coordinator a minimum of three months prior to the rotation.

Please refer to our website: www.med.mcgill.ca/familymed/undergrad.htm.

5.9 Geriatric Medicine

PRACTICE OF MEDICINE (CLERKSHIP)
The following course is given by the Division of Geriatric Medicine, Department of Medicine.

IMED 406 GERIATRIC MEDICINE - POM. (4) Orientation of students towards continuity of care for frail elderly patients, including training in geriatric consultations on wards and Emergency Room; patient assessments in a clinical setting; patient follow-ups in the community.

5.10 Human Genetics

Core Courses
This Department contributes to the multidisciplinary curriculum components of Basis of Medicine and Back to Basics.

Graduate Courses
M.Sc. in Genetic Counselling (non-thesis); M.Sc. and Ph.D. (with thesis). See the *Graduate and Postdoctoral Studies Calendar.*

5.11 Medical Physics Unit

Web site: www.medphys.mcgill.ca

Graduate Program
The Medical Physics Unit is a teaching and research unit concerned with the application of physics and related sciences in medicine, especially (but not exclusively) in radiation medicine, i.e., radiation oncology, medical imaging and nuclear medicine. The Unit offers an M.Sc. in Medical Radiation Physics and facilities are available for students to undertake a Ph.D. in Medical Physics through the Department of Physics.

The research interests of members of the Unit include various aspects of medical imaging, including 3D imaging, the development of new imaging modalities, and applications of imaging in radiation therapy; radiation dosimetry, especially solid state, electret and NMR systems; nuclear cardiology; and applications of radiation biology to therapy.

The M.Sc. and Ph.D. programs in Medical Physics are accredited by the Commission on Accreditation of Medical Physics Education Programs, Inc., sponsored by The American Association of Physicists in Medicine (AAPM), The American College of Medical Physics (ACMP), The American College of Radiology (ACR), and the Canadian College of Physicists in Medicine (CCPM). See the *Graduate and Postdoctoral Studies Calendar.*

5.12 Medicine

Core Courses
This Department contributes to all curriculum components of Basis of Medicine, Back to Basics, and Introduction to Clinical Medicine.

ICM - Professional Skills

INDS 302 INTRODUCTION TO CLINICAL SCIENCES(1) The objectives of this course are to familiarize students with the basic ethical and legal issues and problems arising in clinical medicine and to develop the skills needed to identify and resolve ethical dilemmas. Emphasis is placed on the following subjects: informed consent, risk disclosure, patient competence, confidentiality, research ethics, discontinuing life support, physician impairment, and ethics in the team context.
At the end of this course, students will be able to demonstrate the basic skills of physical examination on a peer or on selected real patients. Students will be able to produce a written case report combining information from both a complete history and a complete physical examination of a real patient. Examination of the rectum, breasts, and genitalia is not covered in this course.

The course is taught over 4 weeks in small groups with one or two group leaders, both in a classroom and at the bedside with real patients.

IMED 301 MEDICINE - ICM (7) In this ten-week multi-disciplinary course, the student has the opportunity to build further on the clinical skills developed in the course on ICM-A. The students perform full history and physical examinations on assigned patients, write up the cases (including a discussion of the clinical - basic science correlations), and present the case orally to their tutors. Through bedside teaching sessions in small groups, they develop clinical skills. Seminars give an approach to the diagnosis of common problems in Internal Medicine.

By the end of this course, students will be able to demonstrate skills in problem formulation and differential diagnosis. Students will be able to integrate previous skills in history taking and physical examination with those in problem formulation and differential diagnosis to create write-ups of real patient cases. Students will be able to orally present their own patient cases to other members of their group in a clear, efficient manner. Students will use their own patient cases and those of their peers to generate personal learning opportunities. Students will describe and use approaches to the diagnosis of common problems in internal medicine. Students will use information from the history and physical exam to justify and interpret basic laboratory and radiology tests for a given patient.

This course is taught over 7 weeks in small groups with one or two tutors, both in classrooms and at the bedside.

PRACTICE OF MEDICINE (CLERKSHIP)

IMED 401 MEDICINE - CLERKSHIPS((8)
This is an eight-week core clerkship in Internal Medicine. At this level of training, the student performs the initial patient work-up, completes the written record, develops a differential diagnosis (or problem list) and plan of investigation, writes progress notes and performs simple therapeutic and diagnostic procedures for each patient assigned. Clinical skills are further developed by constant reading, by discussions with the residents and attending staff, and by case presentations. Students attend outpatient clinics to follow up their therapeutic efforts on the wards and to see clinical material

less common in an inpatient setting. Specialty conferences augment students' learning.

Experimental Medicine
See the *Graduate and Postdoctoral Studies Calendar*.

5.13 Microbiology and Immunology

Core Courses
This Department contributes to the multidisciplinary curriculum components of Basis of Medicine and Back to Basics.

Other Courses
The Department offers a range of courses leading to the Honours B.Sc. in Microbiology and is well-equipped for graduate research leading to the M.Sc., M.Sc.A. and Ph.D. degrees. See the *Graduate and Postdoctoral Studies Calendar* and the Faculty of Science section of the *Undergraduate Programs Calendar*.

5.14 Neurology and Neurosurgery

Core Courses
This Department contributes to the multidisciplinary curriculum components of Basis of Medicine and Introduction to Clinical Medicine.

NEUR 301 NEUROLOGY - ICM. (2) The course's objectives will be to have the student develop the skills to acquire and record a detailed neurological history; perform a complete, orderly and accurate neurological examination, develop a clinical problem-solving approach, i.e. to correlate neurological symptoms and deficits with neuroanatomy and disease processes. The student will also accumulate factual knowledge about neurological diseases, develop awareness of special procedures in neurology and foster positive attitudes towards independent learning.

Graduate Courses
See the *Graduate and Postdoctoral Studies Calendar*.

5.15 Obstetrics and Gynecology

Core Courses
This Department contributes to all curriculum components.

OBGY 301 OBSTETRICS/GYNECOLOGY - ICM. (1) A didactic course in Ob/Gyn, is part of ICM-E.

PRACTICE OF MEDICINE (CLERKSHIP)

OBGY 401 OBSTETRICS/GYNECOLOGY - CLERKSHIPS. (8) As part of the core curriculum in Med III, students will spend an eight-week clerkship on a clinical teaching unit in one of the five centres within the McGill teaching hospital system. This clerkship is designed to enlarge and enrich the basic experience of Med I and Med II. Under supervision, students play an integral role in the management of patients and become a recognized part of the resident-intern-medical student team.

5.16 Occupational Health

The Department of Occupational Health offers a multidisciplinary approach to problems of occupational health and safety. It offers two graduate degree programs: a Ph.D. in occupational health sciences, with the objective of training independent researchers in the field of work environment and health; and a Master of Science (Applied) in occupational health sciences. The objective of this program is to train occupational health and hygiene professionals in the evaluation of the work environment and work hazards, and in the application of appropriate methods of prevention and control. The M.Sc. is offered in a regular sessional format which consists of three full-time terms and usually an additional session, and in a distance education format, normally over a three-year period. See the *Graduate and Postdoctoral Studies Calendar*.

5.17 Oncology

Core course - Introduction to Clinical Medicine

INDS 307 PRINCIPLES OF ONCOLOGY.

The ICM oncology course consists of eight hours of whole class teaching and a two-week clinical rotation in medical, surgical, pediatric, radiation oncology and palliative care units across the McGill-affiliated hospitals.

During the whole class teaching, the students are exposed to evidence-based guidelines in cancer epidemiology, cancer prevention and screening for major cancer sites, namely: breast, genito-urinary, colorectal and lung.

During their clinical rotations, the students are introduced to the basis principles of surgical, medical, pediatrics and radiation oncology. Objectives are to know cancer risks, clinical presentations, principles of cancer therapy; cancer prevention, cancer screening, genetic counseling and to interpret imaging and pathological data.

Students are also exposed to the principles of pain management and have one session on communication skills.

5.18 Ophthalmology

Core Courses

OPTH 300 OPHTHALMOLOGY - ICM. (1)This course will teach the basics of the eye exam (opthalmoscope, visual acuity and slit lamp). It will focus on the following topics: acute and chronic visual loss, trauma to the eye, the red eye and eye manifestations of systemic diseases (e.g.,hypertension, diabetes).

The Department of Ophthalmology gives sessions with particular emphasis on history-taking, diagnosis and treatment of common eye problems, as well as instruction on how to use the ophthalmoscope and slit lamp microscope.

Four-week electives are offered to ICM or Clerkship students at the Montreal General, Royal Victoria, Jewish General and Montreal Children's Hospitals. Each student functions as a clinical clerk in the respective Eye Department.

Please note electives are not offered in July and August.

5.19 Otolaryngology

Core Courses

INDS 301 INTRODUCTIN TO CLINICAL SCIENCES.(2) This course will teach all parts of history taking and physical examination in an objective and structured fashion. The course will be taught in small groups with one or two group leaders who will take the students through the principles of history taking and physical examination in a prearranged and structured mode. In the second and third week of the course, the students are asked to hone their skills by doing one written case report and physical examinations on patients from the ward. In the latter two weeks of the course, the students continue to refine their skills in groups, at the bedside, with their tutor.

The Department of Otolaryngology is a contributor to this course, providing instruction in otolaryngological history-taking and methods of physical examination.

Electives are available for students at the four affiliated teaching hospitals.

The Department's clinics are also used extensively in the fourth year ambulatory care experience.

Graduate Courses
See the *Graduate and Postdoctoral Studies Calendar*.

5.20 Pathology

Core Courses
The teaching in Pathology is designed to provide a systematic coverage of the principal diseases or groups of diseases, including

their etiology, pathogenesis, pathology and pathophysiology. This is done with a combination of lectures and small group sessions, in conjunction and integrated with the other units of the curriculum. Thus, the Department of Pathology contributes to multidisciplinary Units 7 and 8, as outlined in BOM as well as to the section, Introduction to Hospital Practice.

COURSE IN APPLIED PATHOLOGY
Weekly clinico-pathological conferences are offered in conjunction with the Medicine rotation.

Electives
The Department provides four-week electives for medical students after completion of Unit 8 of the Basis of Medicine. These are available at the Royal Victoria Hospital, Montreal General Hospital, Jewish General Hospital, St. Mary's Hospital and the Montreal Children's Hospital. Please contact Mrs. Hoffmann, Teaching Office, Duff Medical Building, (514) 398-7192 x00481.

Other Courses
The Department is well-equipped for graduate research leading to the M.Sc. and Ph.D. degrees and offers several graduate-level courses. See the *Graduate and Postdoctoral Studies Calendar* and the Faculty of Science section of the *Undergraduate Programs Calendar*.

5.21 Pediatrics

Core Courses

PAED 301 PEDIATRICS - ICM. (1) Provides the students with a data base in pediatrics in order for them to approach the clerkship with some basic understanding of pediatric problems. The course will cover aspects of growth, perinatology, morbidity-mortality in Pediatrics, nutrition, fluid balance, infections of many systems, and neurologic and psychologic development. The course will consist of didactic teaching and small group tutorials where problems related to lecture content are discussed.

PRACTICE OF MEDICINE (CLERKSHIP)

PAED 401 PEDIATRICS - CLERKSHIPS. (8) Clerkship in Pediatrics as a member of a clinical service provides the opportunity for experience in the management of pediatric problems under supervision. The clerkship includes ward and ambulatory rotations at the Montreal Children's Hospital and newborn experience at either the Jewish General Hospital or the Royal Victoria Hospital. The clerks participate in a series of core-material conferences in addition to the regularly scheduled educational program of the hospital.

5.22 Pharmacology and Therapeutics

The program of instruction in Pharmacology and Therapeutics is designed to provide a systematic coverage of the principles of drug action for the more important groups of drugs, the factors that control and modify their effects and the basis for selection and use of drugs in the treatment of disease.

Core Courses
This Department contributes to the multidisciplinary curriculum components of Basis of Medicine, Introduction to Clinical Medicine and Back to Basics.

Other Courses
The Department offers a range of different level courses on the principles of pharmacology and therapeutics with emphasis on the sites and mechanisms of action of drugs from whole body to molecular interactions. The compounds covered are representative of classes of drugs used in the treatment of human disease. These courses are available to students registered in the B.Sc. programs. The Department also offers a graduate program leading to the M.Sc., M.Sc. Applied, and Ph.D. degrees. See the *Graduate and Postdoctoral Studies Calendar* and the Faculty of Science section of the *Undergraduate Programs Calendar*.

5.23 Physiology

Core Courses
This Department contributes to the multidisciplinary curriculum components of Basis of Medicine and Back to Basics.

Other Courses
The Department offers a range of courses at introductory, intermediate and advanced levels. These are part of undergraduate Faculty, Majors and Honours programs, leading to a B.Sc. in Physiology, as well as the Major Programs in Physiology and Physics, and Physiology and Mathematics, and the Interdepartmental Honours Immunology Program. A number of graduate level courses are also offered. The Department is well equipped for graduate research leading to the M.Sc. and Ph.D. degrees, and is a participant in McGill's M.D./Ph.D. Program. See the *Graduate and Postdoctoral Studies Calendar* and the Faculty of Science section of the *Undergraduate Programs Calendar*.

5.24 Psychiatry

Core Courses
This Department contributes to all curriculum components.

UNIT 9 ITP/ITPM
The Department participates in this interdisciplinary course (INDS161, INDS 203)

PSYT 302 PSYCHIATRY - ICM. (1) This course will elaborate and reinforce introductory material in the field of psychiatry presented in early sections of the curriculum. In addition, it will provide students with the basic components of clinical psychiatry, preparatory to the Clerkships.

PRACTICE OF MEDICINE (CLERKSHIP)

PSYT 401 PSYCHIATRY - CLERKSHIPS. Eight-week block training to acquaint all students (Core program) with the examination of patients and understanding of some of the major factors involved in abnormal behaviour. Diagnostic procedures, psychotherapeutic and physical methods of treatment will be among the aspects covered. Students will be provided with tutors on an individual and group basis and will also have an opportunity to become conversant with certain more specialized areas of the field of psychiatry. An attempt will be made to provide a comprehensive exposure to current theoretical models and treatment approaches in psychiatry, to indicate the relevance of certain concepts and attitudes to non-psychiatric medical practice, and to supply well-supervised clinical experience which is patient-oriented and responsibility-centered.

Graduate Courses
For information regarding courses leading to the M.Sc. degree in Psychiatry, see the *Graduate and Postdoctoral Studies Calendar.*

5.25 Social Studies of Medicine

Core Courses
This Department contributes to the following courses: Basis of Medicine, Back to Basics, and Medicine and Society.

Electives
The Department offers a wide range of electives in aspects of the social sciences and humanities as they relate to medicine. For details see the Electives Catalogue.

Graduate Program
Through the Department, graduate students can obtain an M.A. in the History of Medicine, an M.A. in Medical Anthropology and an M.A. in Medical Sociology. The above degrees are acquired in programs administered jointly with the Departments of History, Anthropology, and Sociology in the Faculty of Arts. Consult the Department for further information.

5.26 Surgery

Core Courses
This Department contributes to all curriculum components.

SURG 301 SURGERY - ICM. The main objectives for this four-week rotation are to develop the history taking and physical examination skills necessary to collect information and make the diagnosis of the patient. The student also learns the pathophysiology of surgical conditions. These objectives help prepare the student for clerkship in the senior years where the issues of patient workup and management are covered. The ICM Surgery rotation involves being assigned to a surgical service and tutor, seeing patients in the preoperative and peroperative period and following the patient postoperatively. The student will workup one patient per week on the ward and in the ambulatory care setting and follow each patient through the entire peroperative period. Apart from doing histories and physical examinations, the student will learn how to write progress notes and prepare for case presentations. The objectives of knowledge are primarily covered in small group teaching sessions held in the hospitals. These cover a broad range of topics in the fields of surgical principles and all the subspecialties of surgery. Students are encouraged to attend services rounds, ward rounds, and participate in the operative management of their patients. Students do their rotations at the MGH, RVH, JGH and SMH.

SURG 401 SURGERY - CLERKSHIPS. In their senior years, students spend eight weeks as clinical clerks in surgery. The objectives of the surgical clerkship are the workup and management of surgical conditions. Four weeks are spent in General Surgery and, during the other half of the rotation, clerks may choose one of the following surgical disciplines: Cardiothoracic Surgery, Neurosurgery, Orthopedic, Plastic Surgery, Trauma, Urology or Vascular Surgery. As clinical clerks, the students become apart of the surgical team, attending rounds, managing patients and wards, taking calls and becoming involved in the entire management period of their patients. During the eight-week rotations, students are given small group teaching on various topics in surgery.

Participating hospitals include the MGH, MNH, RVH, SMH and JGH.

6 Staff by Department

Anatomy and Cell Biology
Strathcona Anatomy and Dentistry Building
3640 University Street, Montreal, QC, H3A 2B2
Telephone: (514) 398-6335

Chair — John J.M.Bergeron *(Robert Reford Professor of Anatomy)*
Emeritus Professors — Y. Clermont, D.G. Osmond, H.Warshawsky
Professors — G.C. Bennett, J.J.M. Bergeron, J.R. Brawer, S.David, L. Hermo, C.P. Leblond, S.C. Miller, C. Morales, B.Posner,A. Ribeiro-Da Silva.
Associate Professors — C. Autexier, P. Barker, O.W. Blaschuk, C. Chalk, C. Cuello, E. Daniels, E. Davis, J. Henderson, T. Kennedy, A. Koromilas, M.F. Lalli, P. Lasko, M. Latterich, M.D. McKee, P. McPherson, P. Seguela, S. Stifani, B. Suter, H. Vali, D. Walker, G. Wild
Assistant Professors — C. Autexier, F. Bedford, E. Chevet, M.Greenwood, N. Lamarche, C. Mandato, J.Presley, W.Sossin
Adjunct Professors — D.Cyr, M. Desjardins, J. Drouin, A. Nantel, M. O'Connor-McCourt, J. Schrag, D.Y. Thomas

Anesthesia
Royal Victoria Hospital
687 Pine Avenue West, Montreal, QC, H3A 1A1

Professor and Chair — F.Carli *(Wesley Bourne Professor of Anesthesia)*
Professors — M.Abou-Madi, C.Bushnell *(Harold Griffith Professor of Anaesthesia)*, F.Cervero
Associate Professors — S. Backman, F. Beique, G. Bennett, R.Bondy, K. Brown, R. Catchlove, D. Chartrand, T. Coderre, R.Covert, J. Desparmet, M. English, P. Fiset, A. Gamsa, A.Gordon, D. Hickey, K. Kardash, S. Kleiman, J. Lavoie, S.Lenis, A. Moore, G. Plourde, R. Robinson, A. Scott, Y. Shir, M. Tessler, S. Weeks, D. Withington
Assistant Professors — II. Amir, M. Angle, A. Armanious, J.F.Asenjo, F. Barry, R. Carranza, J.F. Courval, T. Daloze, A.Deschamps, R. Finlayson, C. Frigon, M. Gauthier, M.Germain, E. Goujard, C. Goyer, B. Grillas, N. Hamawy, R.Hasel, R. Hatzakorzian, T. Hunter, I. Kaufman, R.C. Khairy, K. Klubien, I. Kocur, J. Kranjcevic, V. Kudish, L. Lakheeram, D.Mayrand, M. McHugh, P. McMillan, B. Mistry, A. Owen, B.Popovec, L. Pugsley, D. Quance, S. Rafla, F. Ramadori, T.Reyes, R. Robbins, P. Ruiz, F. Salevsky, T. Schricker, S.Sidhu, J. Sioufi, J. Sloan, P. Solomon, M. Talbot, W. Triolet, M. Ware
Lecturers — S. Bekhor, G. Brock, E. Dupont, M. Kimia, R. Roman, S. Vilderman
Adjunct Professors — G. Blaise, J. Cogan, F. Donati, B. Ligier, N.Searle, F. Varin
Post-Retirement — P. Bromage, G.S. Fox, K. Krnjevic, R.Melzack, I. Metcalf, S. Rafla, J. Rosales

Anaesthesia Research Unit
3655 Promenade Sir-William-Osler, Room 1207
Montreal, QC, H3G 1Y6

Professor and Director — F. Cervero
Professor — M.C.Bushnell *(Harold Griffith Professor of Anaesthesia)*
Associate Professors — G.Bennett, T.Coderre

Artificial Cells and Organs Research Centre
3655 Promenade Sir-William-Osler, Room 1002
Montreal, QC, H3G 1Y6

Professor and Director — T.M.S.Chang
Professors — C.J. Chiu, H.L. Goldsmith, T. Hutchinson, M. Levy, N.P.V. Nair, P. Ponka
Associate Professors — P.E.Barre, R.F.Gagnon
Assistant Professors — P.A.Bourgouin, R.Cacere, S.Prakash, D.Shum-Tim
Research Associate — Z.C. Liu

Biochemistry
3655 Promenade Sir-William-Osler, Room 802
Montreal, QC, H3G 1Y6

Professor and Chair — D.Y.Thomas
Emeritus Professors — A.F.Graham, R.M. Johnstone, S.Solomon, T.L.Sourkes
Professors — N.Beauchemin, R.Blostein, P.E.Branton *(Gilman Cheney Professor of Biochemistry)*, P.E.Braun, V.Giguère, P.Gros *(James McGill Professor)*, A.A.Herscovics, R.E.MacKenzie, E.A.Meighen, W.Muller, W.E.Mushynski, M.Park, J.Pelletier, G.C.Shore, J.Shuster, J.R.Silvius, N.Sonenberg *(James McGill Professor)*, C.P.Stanners, D.Y.Thomas, M.L.Tremblay, M.Zannis Hadjopoulos
Associate Professors — A.Berghuis, K.Gehring, A.Nepveu, A.Pause
Assistant Professors — M. Bouchard, I.Gallouzi, J. Young
Associate Members — K.Auclair, J.J.Bergeron, K.Cianflone, M.Featherstone, W.C.Galley, M.Hallett, P.J.Roughley, E.Schurr, C.Scriver, B.Turcotte, S.Wing, X J.Yang
Adjunct Professors — P. Arya, M. Cordingley, M. Cygler, J.Drouin, K. Meerovitch, D. Nicholson, M. O'Connor-McCourt, E. Purisima, S. Roy, M. Therrien

Biomedical Engineering
3775 University Street, Room 316
Montreal, QC, H3A 2B4

Professor and Chair — R.E.Kearney
Professors — T.M.S.Chang, A.C.Evans, H.L.Galiana

Associate Professors — J.D.Bobyn, W.R.J.Funnell, G.B.Pike
Assistant Professor — L.Collins, J. Nadeau, S.Prakash, M.Tabrizian
Adjunct Professors — J.H.T.Bates, W.Decraemer, I.W.Hunter, T.M.Peters, P.L.Weiss
Associate Members — G.Baroud, K.Cullen, S.De Serres, J.Gotman, R.Gunn, R.Mongrain, B.N.Segal, T.Steffen, C.Thompson
Research Associates — C.Baker, D.Guitton, A.Katsarkas

Communication Sciences and Disorders, School of
1266 Pine Avenue West, Beatty Hall
Montreal, QC, H3A 1A8

Professor and Director — S. Baum
Emeritus Professor — D.Doehring
Professors — M.Crago, A. Katsarkas
Associate Professors — V. Gracco, R. Mayberry, M. Pell, L. Polka
Assistant Professors — K. Steinhauer, E. Thordardottir (Graduate Program Director), S. Rvachew
Assistant Professors (Part-time) — G. Leonard, R. Shenker, S. Schwartz
Head of Clinical Program — J. Claessen
Lecturers — A. Alasseri, J. Deziel, R. Gesser, J. Harrison, H. Kisilevsky. C. Mhun, D. Orchard, J. Robillard-Shultz, P. Royle, A. Shah, M. Sundara, C. Timm, P. Viens
Adjunct/Associate Members — H. Chertkow, E.Kehayia, D.McFarland, Y.Oshima-Takane

Diagnostic Radiology
Montreal General Hospital
1650 Cedar Avenue, Room D5-137
Montreal, QC, H3G 1A4

Professor and Chair — R.Lisbona
Professors — R. Lisbona, M.J. Palayew, L. Rosenthall
Associate Professors — G. Dean, R. del Carpio-O'Donovan, V.Derbekyan, J.H. Gagnon, M.J. Herba, A. Lisbona, D.Melançon, A. O'Gorman, C. Reinhold, R. Satin, L.A. Stein, D.Tampieri, R. Williams
Assistant Professors — P. Albuquerquee, A. Aldis, G. Artho, A. Assaf, G. Belley, C.Bloom, F.M. Boston, J. Cassoff, J. Casullo, J. Chankowsky, M-L. Doyon, M. Desaulniers, R. Faingold, H. Guilbeault, R.E. Hanson, R.Hidgevgi, B.B. Hyams, E. Kao, G. Kintzen, J. Kosiuk, M.Levental, B. Mesurolle, J. Novales-Diaz, C.Pham, M. Pinsky, M. Reid, H. Remy, M.B. Rosenbloom, A.Roy, C. Rush, G. Saigal, J. Stern, C. Torres, D. Valenti, A. Veksler
Adjunct Professors — M.Atri, P.Bourgouin, P.Bret, G.Breton, M.Fraser-Hill, N.Just, J.L.Vezina, G.Whiteman
Lecturers — V.Adrenyi, J.Glay, R.Kimoff, M.Mindel, M.S.Nathens, E.Yeghiayan
Associate Members — A.Evans, B.Pike, E.Podgorsak

Epidemiology and Biostatistics
1020 Pine Avenue West
Montreal, QC, H3A 1A2

Professor and Chair — R.Fuhrer
Emeritus Professors — M.R. Becklake, J.C. McDonald, W.O.Spitzer
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Family Medicine
517 Pine Avenue West
Montreal, QC, H2W 1S4

Chair — M. Dawes
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Human Genetics
1205 Dr.Penfield Avenue, Room N5/13
Montreal, QC, H3A 1B1

Chair — D.S. Rosenblatt

Emeritus Professors — E. Andermann, V. Der Kaloustian, A.Duncan, F. Glorieux, K. Morgan, R. Palmour, D. Radzioch, D.S. Rosenblatt, G. Rouleau, R. Rozen, E. Shoubridge, H.Tenenhouse, J. Trasler

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McGill Cancer Centre
3655 Promenade Sir-William-Osler, Room 701
Montreal, QC, H3G 1Y6

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Adjunct Professor — E.Bradley

McGill Nutrition and Food Science Centre
Royal Victoria Hospital
687 Pine Avenue West, Montreal, QC, H3A 1A1

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Medical Physics Unit
Montreal General Hospital
Room L5-113, Livingston Hall
1650 Cedar Avenue
Montreal, QC, H3G 1A4

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Medicine
Office of the Chair:
Royal Victoria Hospital
687 Pine Avenue, Room A3.09, Montreal, QC, H3A 1A1

Professor and Chair — D. Goltzman *(Antoine G. Massabki Professor of Medicine)*

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Microbiology and Immunology
3775 University Street, Room 511
Montreal, QC, H3A 2B4

Chair — G.J. Matlashewski
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Neurology and Neurosurgery
3801 University Street
Montreal, QC, H3A 2B4

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Montreal Neurological Institute
3801 University Street
Montreal, QC, H3A 2B4

Professor and Acting Director — D. Colman
Neurologist-in-Chief — J.Stewart
Neurosurgeon-in-Chief — A.Olivier

Montreal General Hospital
1650 Cedar Avenue
Montreal, QC, H3G 1A4

Neurologist-in-Chief — G.M.Bray
Neurotrauma-in-Chief — M. Maleki (Acting)

Centre for Research in Neuroscience
1650 Cedar Avenue
Montreal, QC, H3G 1A4

Professor and Director — P. Drapeau

Montreal Children's Hospital
2300 Tupper Street
Montreal, QC, H3H 1P3

Neurologist-in-Chief — B.Rosenblatt
Neurosurgeon-in-Chief — J.Montes

Jewish General Hospital
3755 Côte St-Catherine
Montreal, QC, H3T 1E2

Neurologist-in-Chief — C.Melmed
Neurosurgeon-in-Chief — G.Mohr

Obstetrics and Gynecology
Royal Victoria Hospital
687 Pine Avenue West, Montreal, QC, H3A 1A1

Professor and Chair — S.L. Tan *(James Edmund Dodds Professor of Obstetrics and Gynecology)*
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Research Associate — R. Funnell

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Charles Meredith House
1130 Pine Avenue West, Montreal, QC H3A 1A3

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Oncology
546 Pine Avenue
Montreal, QC, H2W 1S6

Professor and Chair — G. Batist
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Radiation Oncology
Montreal General Hospital
1650 Cedar Avenue, Montreal, QC, H3G 1A4

Professor and Chair — C.R. Freeman (*Michael Rosenbloom Professor of Radiation Oncology*)

Professor — S.M. Lehnert, E. Podgorsak, L. Souhami

Associate Professors — J.F. Guerra, G. Shenouda

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Lecturer — R. Corns, W. Parker, H. Patrocinio

Adjunct Professor — P. Rousseau

Ophthalmology
Royal Victoria Hospital
687 Pine Avenue West, Room H7.53, Montreal, QC, H3A 1A1

Professor and Chair — Miguel N. Burnier, Jr.

Professors — C. Baker, J. Deschenes, R.F. Hess, P. Lachapelle, S.B.Murphy, K. Mullen

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Otolaryngology
Royal Victoria Hospital
687, Pine Avenue W., Room E3.37, Montreal, Qc, H3A 1A1
Telephone: (514) 843-2820
Fax: (514) 843-1403

Professor and Chair — S. Frenkiel

Emeritus Professor — J.D. Baxter

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Adjunct Professors — M. Desrosiers, J.J. Dufour

Pathology
3775 University Street
Montreal, QC, H3A 2B4

Professor and Chair — C. Compton *(Strathcona Professor of Pathology)*

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Pediatrics
Montreal Children's Hospital
2300 Tupper Street, Room C-414, Montreal, QC, H3H 1P3

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Adjunct Professors — A.H. Ahronheim, R. Barr, M. Eccles, M.Paquet, A. Rasquin-Webber

Pharmacology and Therapeutics

3655 Promenade Sir-William-Osler, Room 1325,
Montreal, QC, H3G 1Y6

Professor and Chair — H. Zingg

Emeritus Professor — T. Sourkes

Professors — G. Almazan, R. Capek, P.B.S. Clarke, B. Collier, A.C. Cuello, B. Hales, P.J. McLeod, A. Ribeiro-da-Silva, B.Robaire, M. Szyf, J. Trasler, D.R. Varma, H. Zingg

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Adjunct Professors — S. Chemtob, Y. De Koninck, L. Garofalo, T.Hébert, J.M.A. Laird, J. Mancini, K. Metters

Physiology

3655 Promenade Sir-William-Osler, Room 1021
Montreal, QC, H3G 1Y6

Professor and Chair — TBA

Emeritus Professors — G. Melvill Jones, K. Krnjevic

Professors — T.M.S. Chang, M.W. Cohen, E. Cooper, M.M.Frojmovic, L. Glass *(Rosenfeld Professor of Medicine)*, P.Gold *(Douglas G. Cameron Professor of Medicine)*, D.Goltzman *(Antoine G. Massabki Professor of Medicine)*, J.Hanrahan, W.S. Lapp, M. Levy, M. Mackey *(Drake Professor of Medicine)*, J.P. Mortola, J. Orlowski, P. Ponka, D. Watt

Associate Professors — K. Cullen, R. Farookhi, M. Glavinovic, M.Guevara, S. Magder, U. Stochaj, T. Trippenbach, A.Wechsler, J. White

Associate Professor (Part-time) — N. Bernard

Assistant Professors — E. Cook, J. Desbarats, A.-M. Lauzon, P.Swain

Associate Members — A.Aguayo, A. Alonso, M. Avoli, S.Backman, C. Baker,C. Bourque, S.T. Carbonetto, A.Cybulsky, P. Drapeau, B. Dubrovsky, S.O. Freedman, A.Fuks, C. Gagnon, R. Gagnon, C. Gianoulakis, H.L.Goldsmith, D. Guitton, G. Hendy, R. Kearney, L. Larose, J.Lund, P.T. Macklem, J. Martin, I. Moss, S. Mulay, M. Newkirk, B. Posner, S. Prakash, S. Rabbani, M. Rasminsky, C. Rohlicek, B. Segal, I.Shrier, E. Silva, A. Sniderman, M.M. Stevenson, T. Takano, S. Wing, H. Zingg

Adjunct Professors — R. Caplan, T. Hebert, J. Milton, E. Quillen, S. Rossignol, M. Sairam

Psychiatry

1033 Pine Avenue West
Montreal, QC, H3A 1A1

Chair — J. Paris

Emeritus Professors — B. Murphy, T.L. Sourkes

Professors — F. Abbott, D.L. Annable, C. Benkelfat, P. Boksa, G.Chouinard, M. Cole, C. de Montigny, M. Dongier, F.R. Ervin, E. Fombonne, N. Frasure-Smith, S. Gauthier, C. Gianoulakis, H. Guttman, L.T. Hechtman, L. Kirmayer, S. Lal, A. Malla, M.J.Meaney, K. Minde, N.P. Nair, J.C. Negrete, R. Palmour, J.Paris, J.C. Perry, R. Pihl, G. Pinard, J. Poirier, R. Quirion, J.J. Sigal, H. Steiger, A. Young, S. Young

Associate Professors — K. Arvanitakis, P. Assalian, C. Baron, S.Beaulieu, P. Beck, M. Bond, S. Braverman, J. Caron, A.Chaput, E.E. Corin, F. Cramer-Azima, G. Debonnel, I.S.Disher, S. Dongier-Montagnac, B.O. Dubrovsky, W.D.Engels, R.B. Feldman, C. Fichten, D. Frank, K.J. Gill, A.Granich, A. Gratton, N. Grizenko, J. Guzder, S. King, T.Kolivakis, M. Lalinec-Michaud, G. Morgenstern, J. Pecknold, D. Pederson, H. Perreault, A. Propst, R.A. Ramsay, B.M.Robertson, J. Rochford, Z. Rosberger, C. Rousseau, R.Russell, M. Samy, L.K. Srivastava, W. Steiner, B.Suranyi-Cadotte, R. Tempier, C.D. Walker, G. Wiviott, M. Zoccolillo

Assistant Professors — M.P. Adams, J. Armory, S. Bachneff, E.Banon, L. Beauclair, P. Beaudry, C. Belanger, C. Benierakis, R. Bergeron, J. Beuzeron, P. Bleau, D. Bloom, V. Bohbot, M.Boily, D. Boivin, P. Boston, I. Bradley, E.J. Brahm, M.J.Brouillette, R. Brown, T. Brown, K. Bruce, A. Brunet, J.Canfield, N. Casacalenda, N. Cermakian, P. Cervantes, J.G.Chabot, D. Charney, D. Claveau, A. Crocker, H. Cvejic, D.P. Dastoor, J. Debruille, P. Delavenne, P. Des Rosiers, R.Desautels, M. Elie, J.P. Ellman, A. Fielding, M.J. Fleury, H.Fortin, R.E. Franck, R. Fraser, H. Freedman, G.GalbaudduFort, M. Gauthier, K. Geagea, J. Glass, B.Greenfield, M. Grignon, D. Groleau, B. Groulx, J.M. Guile, A.R. Hausfather, B. Hayton, L. Hoffman, N. Hoffman, F. Ianni, K. Igartua, H. Iskandar, M. Israel, E. Jarvis, C. Jolicoeur, J. Joly, R. Joober, M. Kapuscinska, R. Keller, F. Key, M.E. Kiely, T.Kolivakis, D.J. Kraus, R. Kuyumjian, P. Lageix, M. Laporta, L.Laporte, E. Latimer, D. Leccia, M. Lepage, M. Leyton, E.Libman, E. Lizondo, K. Looper, G.L. Low, G. Luheshi, S.Lupien, H. Margolese, J. Martial, T. Measham, M. Messier, G. Meterissian, T.M. Milroy, R. Montoro, L. Morin, G. Myhr, E.Naltchayan, N. Ng Ying Kin, J.A. O'Neil, H. Olders, M.A.Ouimet, J. Palacios-Boix, R. Perreault, M. Piat, L. Pinard, B. Presser, F. Primeau, J. Pruessner, O. Rios, S.B.Rosenbloom, C. Roy, T. Said, G. Savard, N. Sigman, G.Schwartz, J. Seguin, S. Singh, M.L. Solomon, D. Sookman, I. Spector, S. Sultan, A. Surkis, N. Szkrumelak, P. Tetreault, J.X. Thavundayil, E. Tidmarsh, G. Turecki, M. Valenzuela, S.Vida, J. Vogel, S. Williams, A. Wilner, M.A. Wolf, P.Zelkowitz, V. Zicherman

Lecturers — N. Beauchemin, J.F. Belair, J.M. Bourque, H. Brack, E. Casimir, P.P. Chan, M.E. Davis, Y. Dion, J.A. Farquhar, C.Gendron, H. Goldhaar, P.A. Gregoire, D. Groenewege, P.Harden, M. Heyman, R. Karmel, P. Lamoureux, B. Major, S.Monti De Flores, K. Myron, L. Nadeau, S. Néron, R. Payeur, G. Pierre-Louis, L. Poitras, Z. Prelevic, M. Quintal, T. Reyburn, K. Richter, D.T. Rochon, A. Ross-Chouinard, M. Roy, A.Schiavetto, M. Segal, M. St-Laurent, J. Tremblay, R.Westreich, M. White, S. Wisebord, D. Zack, J. Zambrana, P.Zuardi

Adjunct Professors — J. Baribeau, L. Beaudry, P. Blier, W.Brender, V. Di Nicola, P. Etienne, R. Fugère, P. Gagne, A.Gagnon, L. Gaston, G. Gobbi, J.P. Harris, J.C. Lasry, D.Lepage, F. Lesperance, F.H. Lowy, C. Mercier, C. Poirel, J.Voyer, S. Welner

Social Studies of Medicine

3647 Peel Street, Room 207
Montreal, QC, H3G 1X1

Professor and Chair — A. Young

Professors — M. Lock *(Marjorie Bronfman Professor of Social Studies in Medicine)*, A. Cambrosio, Prof. Tone, G. Weisz *(Cotton-Hannah Professor of the History of Medicine)*

Associate Professors — C. Borck, F. Wallis

Assistant Professor — T. Schlich

Surgery
Royal Victoria Hospital
687 Pine Avenue West, Montreal, QC, H3A 1A1

Professor and Chair (interim) — M.M. Elhilali *(Steven Jarislowski Professor of Urology)*
Emeritus Professor — A.R.C. Dobell
Professors — P. Brodt, C.J. Chiu, N.V. Christou, G.M. Fried, C.Gagnon, F. Glorieux, P.H. Gordon, E.J. Hinchey, J.-M.Laberge, L.D. MacLean, R.G. Margolese (Herbert Black Professor of Surgical Oncology), N. Mitchell, D.D. Morehouse, J.E. Morin, B.M. Mount, D.S. Mulder (H. Rocke Robertson Professor of Surgery), A.R. Poole, L. Rosenberg, P.J.Roughley, M. Schloss, N.M. Sheiner, H. Shennib, H.R.Shibata, H.M. Shizgal, H.H. Sigman, C.I. Tchervekov, A.Turnbull, M.J. Wexler, H.B. Williams
Associate Professors — A.G. Aprikian, V. Arlet, J.S. Barkun, L.R.Bégin, O.W. Blaschuk, J.D. Bobyn, H.C. Brown, D.L.Burke, S. Chevalier, J. Corcos, L.P. Coughlin, B.deVarennes, D.M. Edward, M.A. Entin, F. Fassier, W.Fisher, H. Flageole, D.M. Fleiszer, R.C. Hamdy, Y. Langlois, M.P. Laplante, C. Lee, L. Lessard, A. Loutfi, A.P.H. McLean, S.H. Meterissian, P.M. Metrakos, C.A. Milne, J. Montes, J-F.Morin, J.S. Mort, L.T. Nguyen, R. St. Arnaud, J. Sampalis, G. Schwarz, D. Shum-Tim, T. Steffen, O. K. Steinmetz, R.Tabah, Y. Taguchi, T. Taketo, M. Tanzer, J.I. Tchervenkov, M.P. Thirlwell, R. Turcotte, D. Zukor
Assistant Professors — C.Z. Abraham, M. Alini, D. Anderson, M.Anidjar, J. Antoniou, S.A. Aronson, D. Arsenault, J. Atkinson, M. Basik, T. Benaroch, G.K. Berry, B. Brenner, A.D. Brzezinski, M. Burman, M. Cantarovich, G. Capolicchio, S. Carrier, R.Cecere, R. Charbonneau, P. Charlebois, R. Chaytor, E.Chevet, M. Chevrette, M.S. Chughtai, L.B. Conochie, M.M.Corriveau, R. J. Crepeau, D.M. Cunningham, A.M.Derossis, T. Dionisopoulos, D.M. Eiley, C. Emond, P.Ergina, D. Evans, J. Faria, L. Feldman, J. Garzon, G.Ghitulescu, N. Halpern, E.J. Harvey, T. Hosseinzadeh, O.Huk Papanastasiou, B.B. Hyams, S.A. Jacobson, C. Janelle, R. Jednack, J. Johansson, K.M. Johnston, J. Keyserlingk, S.Khetarpal, L. Kimoff, I.W. Kuzmarov, K. Lachapelle, E.M.Lenczner, K. MacKenzie, R.J. Marien, K. Matthews, B.Mitmaker, R.V. Moralejo, N. Morin, F. Mwale, P. Nault, D.Obrand, J.A. Ouellet, D.R. Owen, S. Paraskevas, M.Petropavlovskaia, A. Philip, P. Puligandla, E.QuirosCalinoiu, T. Razek, A.D. Recklies, R. Reindl, J.Rodriguez, B. St-Jacques, R. Salasidis, I. Shanfield, K.Shaw, H.M. Shulman, C. Sirois, B. Stein, A. Steinberg, S.Tanguay, F. Tremblay, C A. Vasilevsky, S.A. Youssef, R.G.Zelt
Lecturers — K. Aikin, C. Auger, R.C. Beaulieu, E. Bégin, B.Buchler, J. Cohen, H. Daoud, R. Dimentberg, R. Fenster, F.Houle, D. Kalogeropoulos, M. Kerner, A.M. Légaré, L.Legrand-Westfall, L. Lincoln, F. Ma, R.A.H. McLeod, J.Mijangos, M. Nachabe, N. Otaky, V.W. Papanastasiou, G.J.Pearl, L. Rosen, N. Roy, J. Schwarz, C. Sirois, P.Stephenson, J.D. Sullivan, T. Surowaniec, J.R. Sutton, D.Tataryn, I.S. Weissglas, D.G. Wiltshire
Associate Members — A.M. Ahmed, J. Chen, P. Goldberg, A.Gursahaney, R. Koenekoop, L.A. Stein
Adjunct Professors — M. Aebi, M. Carmel, S.B. Dion, M.EdeFilho, A.M. Houle, T.H. Huynh, R.R. Lett, J.L. Meakins, Y. Ponsot, R. Tomlinson, P. Vachon, D.R. Williams
Research Associates — E. de Lamirande, E. Lee, T. Goswami

Table of Contents

1 The School

1.1 Location

School of Communication Sciences and Disorders
Beatty Hall
1266 Pine Avenue West
Montreal, QC H3G 1A8
Canada

Telephone: (514) 398-4137
Fax: (514) 398-8123
E-mail: scsd@mcgill.ca
Web site: www.mcgill.ca/scsd

1.2 Administrative Officers

Abraham Fuks; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)
Dean, Faculty of Medicine

Shari Baum; B.A.(C'nell), M.S.(Vt.), M.A., Ph.D.(Brown)
Director

Elin Thordardottir; B.A., M.Sc., Ph.D.(Wis.Madison)
ResearchDirector

1.3 Staff

Emeritus Professor
Donald Doehring; B.A.(Buff.), M.A.(N.M.), Ph.D.(Ind.)

Professors
Shari Baum; B.A.(C'nell), M.S.(Vt.), M.A., Ph.D.(Brown)
Martha Crago; B.A., M.Sc.A., Ph.D.(McG.)
Athanasios Katsarkas; M.D.(Thess.), M.Sc.(McG.), F.R.C.P.(C)

Associate Professors
Vincent Gracco; B.A., M.A.(San Diego), Ph.D.(Wis.-Madison)
Rachel Mayberry; B.A.(Drake), M.S.(Wash.), Ph.D.(McG.)
Marc Pell; B.A.(Ott.), M.Sc., Ph.D.(McG.)
Linda Polka; B.A.(Slippery Rock), M.A.(Minn.), Ph.D.(S.Flor.)

Assistant Professors
Karsten Steinhauer; M.Sc., Ph.D. (Dr. rer. nat) Free University of Berlin
Elin Thordardottir; B.A., M.Sc., Ph.D.(Wis.-Madison)

Assistant Professor (Special Category)
Susan Rvachew; B.Sc.(Alta.), M.Sc., Ph.D.(Calgary)

Assistant Professors (Part-Time)
Gabriel Leonard; B.A.(Dublin), D.A.P., M.Sc., Ph.D.(McG.)
Sybil Schwartz; B.Sc.(McG.), M.Sc.A.(Iowa St.), Ph.D.(McG.)
Rosalee Shenker; B.Sc.(Syr.), M.A.(Calif. St.), Ph.D.(McG.)

Faculty Lecturer
Jeanne Claessen; M.A.(Reading), Dip. Clinical Communication Studies(City University, London)

Faculty Lecturers (Part-Time)
Areej Alasseri; B.Sc. King Saud U. (Saudi Arabia) M.A. San Jose State U.
Joane Deziel; B.Sc, M.Sc.(Montr.)
Ruth Gesser; B.A.(C'dia), M.Sc.A.(McG.)
Jill Harrisson; B.A., M.Sc.(McG.)
Helena Kisilevsky; B.A.(McG.), M.A.(UCLA), M.O.A.(Montr.)
Cathy Mhun; B.A., M.Sc.A.(McG.)
Darla Orchard; B.A., M.Sc.(McG.)
Judith Robillard-Shultz; B.A., M.Sc.A.(McG.)
Phaedra Royle; B.A.(C'dia), M.A.(McG.), Ph.D.(Montr.)
Amee Shah; B.Sc. ASR, M.A. Ling. University of Bombay (India), M.A.-SLP,M.Phil, Ph.D. City University of New York
Megha Sundara; B.Sc., M.Sc.(All India Inst. of Speech & Hearing)
Colleen Timm; B.A.(C'dia), M.Sc.A.(McG.)
Patricia Viens; ASLTA Certificate(Rochester I.T.), ASL Workshop Certificate(Vista U.)

Associate Members
Eva Kehayia (Physical and Occupational Therapy)
Yuriko Oshima-Takane (Psychology)

Adjunct Members
Howard Chertkow *(Jewish Gen.),* David McFarland *(Montr.)*

1.4 Historical Notes

The School of Communication Sciences and Disorders, which is a part of the Faculty of Medicine, began its operation in September 1963 within the Division of Audiology and Speech Pathology of the Institute of Otolaryngology at the Royal Victoria Hospital. It was one of the first university departments in Canada to offer graduate training in Speech-Language Pathology and Audiology.

Originally the School offered a two-year professional program which led to the M.Sc., Applied. For the first few years, this provided joint qualification in Audiology and Speech Pathology, however, it was soon decided that specialization within one or the other area was necessary. Over the years, the student population has grown from four to more than 50 students and the full-time faculty from two to eight.

In keeping with the McGill tradition of excellence in research, the School was the first in Canada to offer a doctoral degree in Communication Sciences and Disorders. In the past few years increased emphasis has been placed on research programs and in 1989, the M.Sc. program was modified so that students could receive both professional and research training at that stage. This modification provides the necessary background for students wishing to continue their studies at the doctoral level.

2 Programs Offered

The School offers a professional degree in Communication Sciences and Disorders at the M.Sc. (Applied) level with specialization in Speech-Language Pathology and two research degrees, an M.Sc. (Research) and a Ph.D. in Communication Sciences and Disorders.

2.1 M.Sc.(Applied) Degree in Communication Sciences and Disorders

The professional degree leads to a Master of Science (Applied) with a specialization in Speech-Language Pathology. The program involves two academic years of full-time study and related practical work followed by a summer internship. To prepare students as creative professionals, the program emphasizes the understanding of principles and theories, and their present or potential clinical applications, in addition to the teaching of specific techniques for assessment and intervention. Active participation in the learning process is encouraged.

The profession of Speech-Language Pathology concerns assessment and intervention in speech and language disorders. In particular, the Speech-Language Pathologist is concerned with two major parameters of communication sciences and disorders: language and speech. At present, most speech-language pathologists in Canada work in hospitals, public school systems, rehabilitation centres, and in special education facilities.

2.1.1 Requirements for Licensure

The majority of provinces in Canada and certain states in the U.S.A. require that those intending to practice as Speech-Language Pathologists within their borders comply with special provincial or state licensing regulations. Graduates wishing to practice in the province of Quebec must be members of l'Ordre des Orthophonistes et Audiologistes du Québec (OOAQ) in order to call themselves Speech-Language Pathologists. Further information is available from the OOAQ, 235, boulevard René Levésque est, bureau 601, Montréal (Québec) H2X 1N8. Telephone: (514) 282-9123. Web site: www.ooaq.qc.ca

Quebec law requires that candidates seeking licensure in provincially recognized professions demonstrate a verbal and written working knowledge of the French language. See "Language Requirements for Professions" on page 6 in the General Information and Regulations section.

2.2 Research Degrees – M.Sc. and Ph.D.

Selected candidates may be accepted for the M.Sc. and Ph.D. research degrees. Each student's Thesis supervisor and Thesis Committee design an individualized program of study in collaboration with the student. The program can include graduate courses offered by the School and by other departments at McGill.

Ph.D. Option in Language Acquisition (LAP)

Information about this option is available from the School and on the Web at: www.psych.mcgill.ca.

2.3 Funding

The IODE Provincial Chapter of Quebec funds two $1,000. "Silence to Sound" awards for studies in hearing impairment. These in-course awards are based on academic merit, financial need, and potential for excellence are awarded by the School.

Montreal League for the Hard of Hearing Award. Candidates must be enrolled at the graduate level in the School and working in the area of hearing impairment. Awarded by the School. Value – up to $1,000.

3 Admissions Requirements

3.1 M.Sc.(Applied)

An applicant must hold an undergraduate degree with a minimum B average (3.0 on a 4.0point scale) or better in areas relevant to the selected field of specialization. Specific requirements are six credits in statistics, a total of 18 credits across the disciplines of psychology and linguistics (with a minimum of six credits in each discipline). Knowledge of physiology is also desirable.

3.2 M.Sc. in Communication Sciences and Disorders

The M.Sc. provides research training for:

1. students who are also taking courses for professional qualification;
2. students who have a non-thesis professional degree in Communication Sciences and Disorders; and
3. students with degrees in related fields who wish to do research but not obtain professional qualification in Communication Sciences and Disorders.

3.3 Ph.D. in Communication Sciences and Disorders

Applicants should normally have a Master's degree with thesis or its equivalent in Communication Sciences and Disorders or a related field (e.g., psychology, linguistics).

Students who possess an appropriate Bachelor's degree or Master's degree without thesis will also be considered for the Ph.D. program, but, if admitted, must first complete a qualifying year of coursework and a research project in the School ("fast-track" option).

4 Application Procedures

Please see the School of Communication Sciences and Disorders website at: www.mcgill.ca/scsd/application for required application materials.

School of Communication Sciences and Disorders will only consider applications upon receipt of the following documentation prior to the February 1st deadline.

On-line application

Information Form

Prerequisite Form

Personal Statement

Two letters of Recommendation

Two official copies of Transcripts from all Universities attended

Non-Canadian applicants whose mother tongue is not English and who have not completed an undergraduate degree from a recognized institution where English is the language of instruction are required to submit documented proof of competency in oral and written English **prior to admission**: the Test of English as a Foreign Language (TOEFL) with a minimum score of 550 (paper-based) or 213 (computer-based), or the International English Language Testing System (IELTS) with a minimum overall band score of 6.5.

4.1 M.Sc. (thesis) and Ph.D. programs

Application for Fall admission are processed shortly after the deadline of February 22. All applications received by that date are automatically considered for any internal funding or awards made available to the department for recruitment purposes. Applications for Winter or Summer admission are processed when they are received, but must be received no later than August 1 (Winter admission) or December 15 (Summer admission). Students who apply for Fall admission generally have the most options with respect to applying for external funding as well as for being considered for internal support.

Applications will be considered upon receipt of supporting documents as outlined above. All applicants are strongly encouraged to submit reports of their performance on the Graduate Record Examination (GRE).

5 Program Requirements

5.1 Academic Regulations and Calendar of Dates

The general rules concerning higher degrees apply. These regulations and the Calendar of Dates relevant to graduate programs can be found in the General Information section of the *Graduate and Postdoctoral Studies Calendar.*

5.2 Vaccination Requirements

Students in the School must comply with the requirements outlined in the General University Information section "Vaccination/Immunization Requirements" on page5

5.3 M.Sc.(Applied) Degree in Communication Sciences and Disorders (68 credits)

The professional degree program leads to a Master of Science, Applied degree in Communication Sciences and Disorders with a specialization in Speech-Language Pathology. The program involves two academic years of full-time study and related practical work followed by a summer internship.

Year 1 Required Courses (31 credits)

Fall

SCSD616 (3) Audiology
SCSD617 (3) Anatomy and Physiology of Speech and Hearing
SCSD619 (3) Phonological Development
SCSD624 (3) Language Processes
SCSD633 (3) Language Development
SCSD681 (1) Practicum and Seminar 1

Winter

SCSD631 (3) Speech Science
SCSD632 (3) Phonological Disorders: Children
SCSD637 (3) Developmental Language Disorders 1
SCSD638 (3) Neurolinguistics
SCSD682 (1) Practicum and Seminar 2

Summer

SCSD646 (2) Introductory Clinical Practicum

Year 1 Complementary Course (3 credits)
One three-credit seminar option must be taken.

Year 2 Required Courses (31 credits)

Fall

SCSD618 (3) Research and Measurement Methodologies
SCSD636 (3) Fluency Disorders
SCSD639 (3) Voice Disorders
SCSD643 (3) Developmental Language Disorders 2
SCSD644 (3) Applied Neurolinguistics
SCSD683 (1) Practicum and Seminar 3

Winter

SCSD609 (3) Neuromotor Disorders
SCSD642 (3) Aural Rehabilitation
SCSD669 (3) Special Developmental Speech/Language Problems
SCSD680 (3) Deglutition and Dysphagia
SCSD684 (1) Practicum and Seminar 4

Summer

SCSD679 (2) Advanced Clinical Practicum

Year 2 Complementary Course (3 credits)
One three-credit seminar option must be taken.

M.Sc.(Applied) Complementary Course List

SCSD634 (3) Research and Measurement Methodologies 2
SCSD664 (3) Communication Sciences and Disorders 1
SCSD666 (3) Communication Sciences and Disorders 3
SCSD667 (3) Communication Sciences and Disorders 4
SCSD670 (3) Communication Sciences and Disorders 2

A seminar may also be taken outside of the School upon approval of a faculty advisor.

5.4 M.Sc. in Communication Sciences and Disorders (45 credits)

M.Sc. candidates must complete at least 45credits, including a minimum of 24 and a maximum of 39 credits for thesis research (courses SCSD671, SCSD672, SCSD673 and SCSD674), and a minimum of 6 credits in other courses. The non-thesis credits can be special topic courses in the School and/or courses in other departments, as arranged with the student's thesis supervisor.

Thesis Component – Required (24 credits)

SCSD671 (12) M.Sc. Thesis 1
SCSD672 (12) M.Sc. Thesis 2

Complementary Courses (21 credits)

a maximum of 15 credits may be chosen from:
SCSD673 (12) M.Sc. Thesis 3
SCSD674 (3) M.Sc. Thesis 4
a minimum of 6 credits must be chosen from:
SCSD675 (12) Special Topics 1
SCSD676 (9) Special Topics 2
SCSD677 (6) Special Topics 3
SCSD678 (3) Special Topics 4
or courses in other departments, as arranged with the student's thesis supervisor

5.5 Ph.D. in Communication Sciences and Disorders

Ph.D. students must complete a full graduate course in statistics and both advanced research seminars as well as the other course requirements in their individual program of study, and pass a comprehensive examination. Students entering the Ph.D. program through the fast-track option must additionally demonstrate the ability to complete a research project and related coursework during the initial year. An examination in a foreign language is not required.

Required Courses

SCSD652 (3) Advanced Research Seminar 1
SCSD653 (3) Advanced Research Seminar 2
SCSD685 (3) Research Project 1
SCSD686 (3) Research Project 2
SCSD701 Doctoral Comprehensives

6 Courses

Students preparing to register should consult the Web at www.mcgill.ca/minerva (click on Class Schedule) for the most up-to-date list of courses available; courses may have been added, rescheduled or cancelled after this Calendar went to press. Class Schedule lists courses by term and includes days, times, locations, and names of instructors.

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

Denotes courses not offered in 2004-05.

SCSD 609 NEUROMOTOR DISORDERS. (3) The focus of this course will be on the assessment and management of motor speech disorders, associated with both acquired and developmental neuromotor disorders, and swallowing disorders (of both neuromotor and structural origin).

SCSD 616 AUDIOLOGY. (3) Basic diagnostic and rehabilitative procedures, goals and procedures used in clinical audiology, and the psychoacoustic theories on which they are based will be presented.

SCSD 617 ANATOMY AND PHYSIOLOGY: SPEECH AND HEARING. (3) The anatomy and physiology of speech and hearing mechanisms

will be covered. Topics will include neuroanatomy, the anatomy and physiology of the head, neck and upper torso, and the external, middle, and inner ear.

SCSD 618 RESEARCH AND MEASUREMENT METHODOLOGIES 1. (3) Methodologies used in research and measurement in the field of communication sciences and disorders will be introduced. Topics covered include: the nature and interpretation of test norms; validity; interpretation of test score differences; and questionnaire development (scaling). Tests currently used in speech-language pathology and audiology are examined.

SCSD 619 PHONOLOGICAL DEVELOPMENT. (3) Theories and research related to normal and abnormal phonological development in children will be studied.

SCSD 624 LANGUAGE PROCESSES. (3) The structure and nature of on-line processing of the language code, and the interaction of structure and function of language will be studied. Theories about the nature of representation and research concerning its processing, and the role of sociocultural factors in linguistic performance also will be covered.

SCSD 631 SPEECH SCIENCE. (3) The acoustic analysis and perception of speech and related pathologies will be presented. Theories and models of speech production, speech motor control, and speech perception will be considered.

SCSD 632 PHONOLOGICAL DISORDERS: CHILDREN. (3) The nature of phonological disorders and clinical approaches for their remediation in children will be presented.

SCSD 633 LANGUAGE DEVELOPMENT. (3) Theories of language acquisition, prerequisites to language development, and current issues in research will be studied. Topics include the role of input, individual differences in acquisition, and language socialization.

SCSD 634 RESEARCH AND MEASUREMENT METHODS 2. (3) This course addresses the strengths and weaknesses of various research designs. Issues concerning the analysis and interpretation of research results also will be discussed.

SCSD 636 FLUENCY DISORDERS. (3) The nature of stuttering, various causal theories, and techniques for evaluation and treatment of children and adults will be presented.

SCSD 637 DEVELOPMENTAL LANGUAGE DISORDERS 1. (3) The nature of developmental language disorders and the assessment of language competence and performance in both speaking and non-speaking children will be studied.

SCSD 638 NEUROLINGUISTICS. (3) Current theories of language-brain relationships and speech and language deficits subsequent to brain damage will be studied. A review of current research on phonetic, lexical, and syntactic processing in brain-damaged individuals is included.

SCSD 639 VOICE DISORDERS. (3) Information about the vocal mechanism, its pathologies, and methods of evaluation and treatment will be studied.

SCSD 642 AURAL REHABILITATION. (3) This course addresses the effects of hearing impairment in adults as well as in the developing child with attention to problems in speech, language, and cognitive function as well as social-emotional adjustment. Various intervention approaches are examined.

SCSD 643 DEVELOPMENTAL LANGUAGE DISORDERS 2. (3) Major theories of language disorders are translated into intervention principles used in language treatment programs. Adaptations of intervention techniques to suit specific disorders (including augmentative communication) will be explored.

SCSD 644 APPLIED NEUROLINGUISTICS. (3) Various classificatory systems and appropriate assessment and remediation principles for brain-damaged individuals will be covered. Theoretical and clinical issues relevant to treatment of aphasic, neuromotor, and memory disorders will be considered.

SCSD 646 INTRODUCTORY CLINICAL PRACTICUM. (2) () This course provides an introduction to professional practice through intensive exposure to a variety of clinical populations.

SCSD 652 ADVANCED RESEARCH SEMINAR 1. (3) (This course may be taken as an advanced course for M.Sc. students.) Pro seminar in which current research topics in communication disorders will be discussed.

SCSD 653 ADVANCED RESEARCH SEMINAR 2. (3) (This course may be taken as an advanced course for M.Sc. students.) Pro seminar in which current research topics in communication disorders will be discussed.

SCSD 664 COMMUNICATION SCIENCES AND DISORDERS 1. (3) Current research and professional issues in communication sciences and disorders will be discussed. Specific topics to be selected yearly.

SCSD 666 COMMUNICATION SCIENCES AND DISORDERS 3. (3) Current research and professional issues in communication sciences and disorders will be discussed. Specific topics to be selected yearly.

SCSD 667 COMMUNICATION SCIENCES AND DISORDERS 4. (3) Current research and professional issues in communication sciences and disorders will be discussed. Specific topics to be selected yearly.

SCSD 669 SPECIAL DEVELOPMENTAL SPEECH/LANGUAGE PROBLEMS. (3) Information pertinent to cerebral palsy, cleft palate, autism, mental retardation, multiple handicaps and syndromes involving speech and language disorders will be presented. General descriptions of the disorders and specific assessment and remedial procedures will be addressed.

SCSD 670 COMMUNICATION SCIENCES AND DISORDERS 2. (3) Current research and professional issues in communication sciences and disorders will be discussed. Specific topics to be selected yearly.

SCSD 671 M.SC. THESIS 1. (12)

SCSD 671D1 (6), SCSD 671D2 (6) M.SC. THESIS 1. (Students must register for both SCSD 671D1 and SCSD 671D2) (No credit will be given for this course unless both SCSD 671D1 and SCSD 671D2 are successfully completed in consecutive terms) (SCSD 671D1 and SCSD 671D2 together are equivalent to SCSD 671)

SCSD 671N1 M.SC. THESIS 1. (6) (Students must also register for SCSD 671N2) (No credit will be given for this course unless both SCSD 671N1 and SCSD 671N2 are successfully completed in a twelve month period) (SCSD 671N1 and SCSD 671N2 together are equivalent to SCSD 671)

SCSD 671N2 M.SC. THESIS 1. (6) (Prerequisite: SCSD 671N1) (No credit will be given for this course unless both SCSD 671N1 and SCSD 671N2 are successfully completed in a twelve month period) (SCSD 671N1 and SCSD 671N2 together are equivalent to SCSD 671) See SCSD 671N1 for course description.

SCSD 672 M.SC. THESIS 2. (12)

SCSD 672D1 (6), SCSD 672D2 (6) M.SC. THESIS 2. (Students must register for both SCSD 672D1 and SCSD 672D2) (No credit will be given for this course unless both SCSD 672D1 and SCSD 672D2 are successfully completed in consecutive terms) (SCSD 672D1 and SCSD 672D2 together are equivalent to SCSD 672)

SCSD 672N1 M.SC. THESIS 2. (6) (Students must also register for SCSD 672N2) (No credit will be given for this course unless both SCSD 672N1 and SCSD 672N2 are successfully completed in a twelve month period) (SCSD 672N1 and SCSD 672N2 together are equivalent to SCSD 672)

SCSD 672N2 M.SC. THESIS 2. (6) (Prerequisite: SCSD 672N1) (No credit will be given for this course unless both SCSD 672N1 and SCSD 672N2 are successfully completed in a twelve month period) (SCSD 672N1 and SCSD 672N2 together are equivalent to SCSD 672) See SCSD 672N1 for course description.

SCSD 673 M.SC. THESIS 3. (12)

SCSD 673D1 (6), SCSD 673D2 (6) M.SC. THESIS 3. (Students must register for both SCSD 673D1 and SCSD 673D2) (No credit will be given for this course unless both SCSD 673D1 and SCSD 673D2 are successfully completed in consecutive terms) (SCSD 673D1 and SCSD 673D2 together are equivalent to SCSD 673)

SCSD 673N1 M.SC. THESIS 3. (6) (Students must also register for SCSD 673N2) (No credit will be given for this course unless both SCSD 673N1 and SCSD 673N2 are successfully completed in a twelve month period) (SCSD 673N1 and SCSD 673N2 together are equivalent to SCSD 673)

SCSD 673N2 M.SC. THESIS 3. (6) (Prerequisite: SCSD 673N1) (No credit will be given for this course unless both SCSD 673N1 and SCSD 673N2 are successfully completed in a twelve month period) (SCSD 673N1 and SCSD 673N2 together are equivalent to SCSD 673) See SCSD 673N1 for course description.

SCSD 674 M.SC. THESIS 4. (3)

SCSD 678 SPECIAL TOPICS 4. (3)

SCSD 679 ADVANCED CLINICAL PRACTICUM. (2) () This course enhances professional practice independence through intensive exposure to a variety of clinical populations.

SCSD 680 DEGLUTITION AND DYSPHAGIA. (3) Advanced physiology and neurophysiology of mastication and deglutition, including normal function and diagnosis and treatment of swallowing disorders.

SCSD 681 PRACTICUM AND SEMINAR 1. (1) Course provides initial practicum experiences including a combination of the following: speech/language and hearing screenings, facility tours, short term placements and laboratory assignments.

SCSD 682 PRACTICUM AND SEMINAR 2. (1) This course provides clinical experience through short-term placements and screenings, as well as discussions of current practicum issues.

SCSD 683 PRACTICUM AND SEMINAR 3. (1) Professional practice experiences focusing on a variety of clinical populations are provided. Discussion of advanced issues in clinical practice is included.

SCSD 684 PRACTICUM AND SEMINAR 4. (1) This course provides clinical practicum experiences in a range of settings. Professional practice issues are considered.

SCSD 685 RESEARCH PROJECT 1. (3) Supervised research project.

SCSD 686 RESEARCH PROJECT 2. (3) Supervised research project.

SCSD 701 DOCTORAL COMPREHENSIVE. (0)

SCSD 701D1 (0), SCSD 701D2 (0) DOCTORAL COMPREHENSIVE. (Students must register for both SCSD 701D1 and SCSD 701D2) (No credit will be given for this course unless both SCSD 701D1 and SCSD 701D2 are successfully completed in consecutive terms) (SCSD 701D1 and SCSD 701D2 together are equivalent to SCSD 701)

SCSD 712 LANGUAGE ACQUISITION ISSUES 4. (2)

Table of Contents

1 The School

1.1 Location

School of Nursing
Wilson Hall
3506 University Street
Montreal, QC H3A 2A7
Canada

Telephone: (514) 398-4144
Fax: (514) 398-8455
E-mail: recruitment.nursing@mcgill.ca
Web site: www.nursing.mcgill.ca

1.2 Administrative Officers

Abraham Fuks; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)
Dean, Faculty of Medicine

Susan E. French; N., B.N.(McG.), M.S.(Boston), Ph.D.(Tor.)
Associate Dean, Faculty of Medicine
Director, School of Nursing

Marcia Beaulieu; N., B.Sc., M.Sc.(A), Ph.D.(McG.)
Assistant Director, B.N. Program

Madeleine Buck; N., B.Sc.(N.), M.Sc.(A)(McG.)
Assistant Director, B.Sc.(N.) Program

Helene Ezer; N., B.Sc.(N.), M.Sc.(A.)(McG.), Ph.D.(Montr.)
Assistant Director, Graduate Programs

C. Celeste Johnston; N., B.N., M.S.(Boston), D.Ed.(McG.)
Associate Director, Research

Margaret Purden; N., B.Sc.(N.), Ph.D.(McG.)
Academic Coordinator, Ph.D. Program

1.3 Academic Staff

Emeritus Professor
Elizabeth C. Logan; N., B.Sc.(Acad.), M.Sc.(Yale)

Professors
Nancy Frasure-Smith; B.A., Ph.D.(JohnsH.) [part-time]
Susan E. French; N., B.N.(McG.), M.S.(Boston), Ph.D.(Tor.)
LaurieN. Gottlieb; N., B.N., M.Sc.(A.), Ph.D.(McG.)
(ShawProfessor of Nursing)
C. Celeste Johnston; N., M.S.(Boston), B.N., D.Ed.(McG.)
(James McGill Professor)

Associate Professors
Hélène Ezer; N., B.Sc.(N.), M.Sc.(A.)(McG.), Ph.D.(Montr.)
Omaima Mansi; N., B.Sc.N.(Alexandria), M.Sc.(A.)(McG.), Ph.D. candidate (Montr.)(on leave 2004-05)

Assistant Professors
Antonia Arnaert; N., M.P.H.(Catholic U. of Leuven, K.U.L.), M.P.A.(EHSAL), Ph.D.(K.U.L.)
Marcia Beaulieu; N., B.Sc., M.Sc.(A.), Ph.D.(McG.)
Nancy Feeley; N., B.Sc.(N.), M.Sc.(A.), Ph.D.(McG.)
Anita J. Gagnon; N., B.Sc.N., M.P.H., Ph.D.(McG.)
Carmen G. Loiselle; N., B.Sc.(N.)(Montr.), M.S., Ph.D.(Wis.-Madison)
Margaret Purden; N., B.Sc.(N.), Ph.D.(McG.)

Faculty Lecturers
Cheryl Armistead; N., B.Sc.(N.), M.Sc.(N.)(Ott.)
Madeleine M. Buck; N., B.Sc.(N.), M.Sc.(A.)(McG.)
Kathryn Carnaghan-Sherrard; N., B.N., M.Sc.(A.)(McG.)
Catherine P. Gros; N., B.Sc.(Mass.), M.Sc.(A.)(McG.) [part-time]

Contracted Faculty [part-time]
Franco Carnevale; N., B.Sc.(N.), M.Sc.(A.), M.Ed., Ph.D.(McG.)
Lucie Caron; N., B.Sc.(N.), M.Sc.(A.)(McG.)
Susan Drouin; N., B.N.(UNB), M.Sc.(A.)(McG.)
Linda Edgar; N., B.N.Sc.(Queen's), M.Sc.(A.), Ph.D.(McG.)
Valerie Frunchak; N., B.Sc.(N.)(Alta.), M.Sc.(A.)(McG.)
Shari Patricia Gagné; N., B.Sc.(N.)(Ott.), M.Sc.(A.)(McG.)
Bruce Gottlieb; B.Sc., M.Sc.(Imperial College), Ph.D.(McG.)
Maria Hamakiotis; N., B.Sc.(N.), M.Sc.(A.)(McG.)
Derek Jones; B.A.(Yale), Juris Doctor(Harv.)
Anne Marie Lanctôt; N., B.A., M.Sc.(A.)(McG.)
Beverly Rowat; N., B.Sc.(N.), M.Sc.(McG.)
Lia Sanzone; N., B.Sc.(N.), M.Sc.(A.)(McG.)
Carol Ann Sherman; N., B.Sc.(N.), M.Sc.(N.)(Calif. St.)

McGILL UNIVERSITY HEALTH CENTRE (MUHC)
Montreal General Site
Montreal Children's Site
Royal Victoria/Montreal Chest Site
Montreal Neurological Site

McGILL UNIVERSITY TEACHING HOSPITALS AND AFFILIATED CENTRES (MUTHC)

Douglas Hospital	St. Mary's Hospital
Jewish General Hospital	CLSC Côte-des-Neiges
Maimonides Geriatric Centre	

OTHER TEACHING CENTRES

Chez Doris	Griffith McConnell Residences
CLSC Métro	Jewish Rehabilitation Hospital
CLSC NDG-Montreal West	Mount Sinai
CLSC Parc Extension	Shriner's Hospital
CLSC Rene Cassin	Ste-Anne's Veteran Hospital
CLSC St. Laurent	CLSC Verdun/Côte St. Paul
CLSC Plateau Mont Royal	Catherine Booth Hospital
Richardson Hospital	Kateri Memorial Hospital

DIRECTORS OF NURSING RESEARCH IN TEACHING HOSPITALS
MUHC – Montreal General Site — Judith Ritchie
MUHC – Montreal Children's Site — Janet Rennick
MUHC – Royal Victoria Site — Anita Gagnon
Jewish General Hospital — Margaret Purden

Clinical Faculty Members:

Associate Professors
Franco Carnevale, Mona Kravitz, Judith Ritchie, ValerieJ.Shannon, Edith Zorychta

Assistant Professors
Margaret Eades, Linda Edgar, Lucia Fabijan, Valerie Frunchak, Andrea Laizner, Gratienne Lamarche, Diane E. Lowden, DeniseMalo, Lynne McVey, Patricia O'Connor, Janet Rennick, Linda Ward

Faculty Lecturers
Francine Amireault, Samar Assousa, Sophie Baillargeon, DeniseBédard, Gisèle Bélanger, Melanie Bérubé, Vasiliki Bitzas, Linda P. Boisvert, Diane Borisov, Aline Bourgon, Karen Bradley, Sharon Brissette, Marie-Hélène Carbonneau, JaneChambers-Evans, Luisa Ciofani, Danielle Corbeil, NicoleDaigle, Danielle J. Drouin, Susan Drouin, NancyDrummond, Geraldine Fitzgerald, Constance Forget Falcicchio, Linda Gloutney, Maryse Godin, SharonElizabethHarvie, Rosalie Cecelia Johnson, SuzanneL.Kennedy, RobyneKershaw-Bellemare, AnneMarieLanctôt, Ann Lynch, Elaine Mary McAlister, AltheaHazel McBean, Emma Monaco, Lynne Morgan, MichelleNadon, Elizabeth O'Connor, CatherineOliver, PatriciaRose, Peggy Ann Sangster, MaryseSavoie, Valerie JoySchneidman, Ellen Seguin, MelanieSheridan, CaterinaStaltari, Janice Karen Stephenson, Martha A. Stewart, Kim Tanguay, Gillian Taylor, Claire Thibault, SarahWendy-LeeThirlwell, Lucie Tremblay, Carole White

Adjunct Professor
Bruce Gottlieb

Associate Members
Rhonda Amsel, S. Robin Cohen, MaryK.Decell, RonaldD.Gottesman, KatherineGray-Donald, RichardKoestner, Celine Mercier, ClaireDominique Walker

Clinical Instructors
A list of nurses holding a McGill instructor appointment is available at the School of Nursing.

1.4 History

The McGill School of Nursing has been educating nurses since 1920. The School is internationally recognized for its distinctive vision, leadership in nursing and the quality of its programs. McGill nursing graduates have earned a reputation as outstanding clinicians, educators, researchers, and leaders in the discipline.

Over the years the faculty of the School at McGill has worked to formulate a philosophy about the responsibilities and practice of nursing. This philosophy, known as the McGill Model of Nursing, directs the curriculum of the programs at the School and emphasizes health, the family, learning and development, collaboration with clients and working with the resources of individuals, families and communities. Its intent is to actively promote health and well-being in people of all ages and across all situations. The McGill Model is also central to the Department of Nursing of the McGill University Health Centre.

The first programs offered at the McGill School of Nursing in the 1920s were intended to develop knowledge and skill for nurses working in the field of community health. In those early years, education programs offered at McGill were directed at nurses holding diplomas from hospital schools. Since 1957 the School has offered a first level undergraduate degree in nursing to university students interested in health care. The increasing complexity of nursing practice, coupled with the rapid growth of knowledge about human behaviour during health and illness led to the development of the Master's program in nursing in 1961 and the joint Doctoral program in collaboration with the University of Montreal in 1994.

The first doctoral degree in nursing in Canada was awarded at McGill in 1990. In addition the McGill School continues to publish the *Canadian Journal of Nursing Research*, Canada's first refereed journal of research and scholarly papers in nursing.

The School is administered in the Faculty of Medicine and is located in Wilson Hall, which houses classrooms, learning labs, computer facilities, faculty offices, and lounges. Students registered in the School also take courses in other faculties within the University. Selected experience in nursing is provided in the McGill University Health Centre, and in a wide variety of other health and social agencies in Montreal.

1.5 Programs Offered

The School offers the following programs which are outlined in the relevant section of this Calendar.

1. The School offers the following bachelor programs.
   A bachelor's program, B.Sc.(N.), for holders of a collegial (CEGEP) diploma in Health Sciences or Natural Sciences (or its equivalent).
   A bachelor program, B.N., for registered nurses who graduated from a college or diploma nursing program; and the B.N. (Integrated Nursing option) for holders of the DEC 180.A0 or students from a comparable program.
2. The School offers an M.Sc. (A) in Nursing. This clinically based program prepares nurses to assume advanced practice roles in nursing (CNS or NP) or to tailor a program of study that meets specific career goals.

   Applications to the Master's program are accepted from:
   - Nurses holding a bachelor's degree in nursing equivalent to the B.Sc.(N.) or B.N. undergraduate degree offered at McGill.
   - Graduates with a general B.A. or B.Sc. from programs comparable to the McGill undergraduate degrees *and no* previous nursing preparation. This route of entry to graduate studies in nursing is unique in Canada.
3. The School of Nursing of McGill University and the Faculté de Sciences Infirmières of the Université de Montréal offer a joint doctorate program leading to a Ph.D. in Nursing. Those with an M.Sc. in Nursing are eligible to apply. Selected students may be admitted after completion of their first year of master's study at McGill.

The language of instruction at McGill is English. Every student has a right to write term papers, examinations and theses in English or in French except in courses where knowledge of a language is one of the objectives of the course.

2 Bachelor Programs

2.1 Bachelor of Science in Nursing Program – B.Sc.(N.)

The curriculum for the B.Sc.(N.) extends over three years with general and professional courses in each year. Nursing courses continue in the summer sessions. Clinical experiences will be in community health centres, in hospitals and other agencies as well as in patients' homes. There is some flexibility in the sequence in which courses may be taken, but students are required to complete prerequisites as indicated.

2.1.1 B.Sc.(N.) Entrance Requirements

Quebec Diploma of Collegial Studies (Health Sciences/ Sciences)

Holders of the Diploma of Collegial Studies who have completed the following courses are considered for admission to to the 106 credit B.Sc.(N.) Programme:

- Biology - NYA, General Biology II (00UK, 00XU)
- Chemistry - NYA, NYB, Organic Chemistry I (00UL, 00UM, 00XV)
- Mathematics - NYA, NYB (00UN, 00UP)
- Physics - NYA, NYB, NYC (00UR, 00US, 00UT)

Admission will be based on the *côte de rendement au collégial (cote r)*; overall *cote r* and *cote r* in prerequisite courses are considered.

Mature Students

Within the University provisions, candidates who are at least 23 years old, and are Canadian citizens or permanent residents, may be eligible for consideration as Mature Students. An applicant requesting entry as a Mature Student must have successfully completed a CEGEP course (or equivalent) in pre-calculus/functions and a CEGEP course (or equivalent) in two of the three following sciences (physics, chemistry, biology). These subjects must have been taken within the past three years and a passing grade of more than 75% in each course is required. Mature students are advised to meet with CEGEP representatives to determine what courses they should take based on high school science studies. Candidates with these prerequisites may then be admitted to the 139 credit B.Sc.(N.) Program program (four years, see U0 year in section 2.1.2 "B.Sc.(N.) Course of Study". Students will not repeat CEGEP level courses that are equivalent to U0 courses.)

More detailed information regarding requirements as a mature student can be found at www.mcgill.ca/applying/undergrad.

Applicants from Ontario must have completed the Ontario Secondary School Diploma (OSSD) by the time they commence their university studies. McGill reviews Ontario high school applications for admission based on its own calculation of the "top six" pre-university (OAC, 4U, 4M) course average. A minimum of six OAC, 4U and/or 4M courses are required for admission. At least four of the six required courses, as well as all prerequisite courses must be taken at the OAC or 4U level. All grades on OAC, 4U, and 4M courses are taken into consideration, including any grades for failed or repeated courses. In addition, depending on the program, certain prerequisite courses are included. The McGill average excludes most applied courses. However, all types of performing arts courses at the 4M level (allowing only a maximum of two) will be eligible for inclusion in the top-six average. This may vary from the calculation used at other institutions.

If the applicant comes from a school where the language of instruction is English, then OAC English (ENGOA, EWCOA or ELIOA) or 4U level English must be included in the six courses. If the applicant comes from a school where the language of instruction is French, then OAC French (FRAOA or FLIOA) or 4U level French must be included in the six courses. English Second Language and French Second Language courses are not accepted as prerequisites. For information on McGill's admission minima for previous years, refer to web site: www.mcgill.ca/applying/undergrad.

Prerequisites
-OAC Calculus or OAC Algebra and Geometry or MCB4U or MGA4U
Two different science subjects from the following list:
-OAC Biology or SBI4U
-OAC Chemistry or SCH4U
-OAC Physics or SPH4U
-OAC or 4U English or French (see note above explaining when English or French is required).

Applicants from Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Prince Edward Island, Saskatchewan, Nunavut, NWT and Yukon must hold a high school diploma giving access to university education in their province/territory. Consideration will be given to the results for Grade 11 and 12 level courses (regardless of the calendar year in which they were taken), with emphasis on grades obtained in courses most relevant to the intended program of study.

Generally speaking, all marks are taken into consideration in determining admission, including those of failed or repeated courses. If the applicant comes from a school where the language of instruction is English, then Grade 12 English must be included in the academic record. If the applicant comes from a school where the language of instruction is French, then Grade 12 French is required. English and French Second Langugage courses are not accepted as prerequisites.
Prerequisites
-Grade 12 Mathematics (pre-calculus)
-Two of: Grade 12 Biology, Chemistry or Physics
-Grade 12 English or French (see note above explaining when English or French is required).

Transfer Students (Other Universities)

Students who wish to transfer from other universities and colleges are considered on the basis of both the pre-university and university studies. A minimum of 60 credits must be completed at McGill if a degree is to be granted. The student's admissibility and the number of credits which can be granted are determined only when a formal application and all the necessary supporting documents are received.
The minimum for consideration as a transfer student is:
-Two semesters of either biology or chemistry or physics (each with labs)
-One semester of differential calculus
-One semester of integral calculus

Inter-faculty Transfer Students (McGill)

The School of Nursing accepts applications from students currently enrolled in another program within McGill University. A cumulative GPA of 2.70 or above in the current faculty is normally required. These transfer students are considered for admission on the basis of both their university work and previous studies. Applicants should inquire at the School of Nursing for further information.

Holders of a Bachelor's Degree

Applicants who already have a general bachelor's degree in Science or Arts, or will have completed an undergraduate degree by August 1 of the entering year, should contact the School to determine whether they should apply for entrance to the B.Sc.(N.) program or to the Qualifying Year of the Master's program. Application to the B.Sc.(N.) program is made to the Admissions, Recruitment and Registrar's Office. Requests for information regarding applications to the Qualifying Year should be directed to the School of Nursing.

Non-Canadian Applicants

Students from other countries other than Canada with a strong mathematics and science preparation at a Senior High School level, who wish to be considered for entrance to the Bachelor of Science (Nursing) program, should contact the Admissions, Recruitment and Registrar's Office for information with respect to admissions requirements. Most students are considered to an eight-term program (four years, see U0 year in section 2.1.2 below). Students educated in different languages may be required to provide proof of proficiency in English. A TOEFL (Test of English as a Foreign Language) score of at least 233 (577 for the paper-based version) is required. Detailed information on these admission requirements are available at www.mcgill.ca/applying/undergrad.

2.1.2 B.Sc.(N.) Course of Study

Total program credits: 106

First Year (U1) – Required Courses (36 credits)

Fall Term

NUR1220	(3)	Therapeutic Relationships
NUR1222	(1)	McGill Model of Nursing
NUR1422	(3)	Research in Nursing
PHGY201	(3)	Human Physiology: Control Systems
PSYC215	(3)	Social Psychology

Winter Term

NUR1200	(4)	Biology for Illness & Therapy
NUR1221	(3)	Families and Health Behaviour
NUR1223	(3)	Development over the Lifespan
NUR1234	(3)	Nursing Elderly Families
PHGY202	(3)	Human Physiology: Body Functions

Summer Term
NUR1233 (3) Promoting Young Family Development
NUR1235 (4) Health and Physical Assessment

Second Year (U2) – Required Courses (36 credits)
Fall Term
MIMM211 (3) Introductory Microbiology
NUR1321 (2) Acute Stressors and Coping
NUR1323 (3) Illness Management 1
NUR1331 (4) Nursing in Illness 1
PHAR300 (3) Drug Action

Winter Term
NUR1322 (3) Chronic Illness and Palliative Care
NUR1332 (4) Nursing in Illness 2
NUR1324 (2) Illness Management 2
PATH300 (3) Human Disease
PHAR301 (3) Drugs and Disease

Summer Term
NUR1325 (2) Symptom Management
NUR1333 (4) Nursing in Illness 3

Third Year (U3) – Required Courses (28 credits)
Fall Term
NUR1328 (3) Learning and Health Education
NUR1420 (3) Primary Health Care
NUR1431 (4) Community Nursing 1
PSYC204 (3) Introduction to Psychological Statistics

Winter Term
NUR1421 (3) Resources: Special Populations
NUR1424 (3) Legal and Ethical Issues: Nursing
NUR1432 (4) Community Nursing 2

Summer Term
NUR1530 (5) Clinical Internship

Note: The order in which clinical courses are offered may vary with the availability of clinical placement facilities.

Elective Courses (6 credits)
6 credits with 3 credits at the 300 level or above.
(Full-time students normally take these courses in the third year.)

The first year (U0) of the 139-credit program consists of the following courses:

U0 Required Courses (30 credits)
Fall Term
BIOL111 (3) Principles: Organismal Biology
CHEM110 (4) General Chemistry 1
PHYS101 (4) Introductory Physics - Mechanics

Winter Term
BIOL112 (3) Cell and Molecular Biology
CHEM120 (4) General Chemistry 2
MATH141 (4) Calculus 2
PHYS102 (4) Introductory Physics - Electromagnetism

Summer Term
CHEM212 (4) Introductory Organic Chemistry 1

U0 Complementary Courses (3 or 4 credits)
one of the following courses (to be taken in Fall term):
MATH139 (4) Calculus
MATH140 (3) Calculus 1

Following successful completion of the U0 courses, students enter First Year (U1).

2.2 Bachelor of Nursing Program (B.N.)

This program is open to Registered Nurses from a college or other diploma nursing program. The program consists of a set of core courses and the option of a concentration in either acute care or community health. The core courses develop the student's knowledge in the biological, psychosocial and nursing domains. The acute care option focuses on care during acute episodes of illness in institutional settings while the community health option focuses on health and illness in homes and community based settings.

The program offers:
- preparation for practice in a health care system influenced by the evolution of scientific knowledge and socio-political factors;
- development of critical thinking skills and the knowledge required for graduate studies in the discipline of nursing;
- a solid theoretical background and advancement of clinical skills that will allow nurses to function independently and interdependently in a variety of settings;
- flexibility with respect to the sequencing of courses and greater freedom to timetable courses to fit with work schedules and learning needs;
- the option of a concentration in acute care or community health;
- the option to complete the program on a full or part time basis.

Full-time students may complete the program in three years. Part-time students have up to seven years to complete the program.

The B.N. (Integrated Nursing Option) is part of a five-year program developed jointly by the Quebec universities and CEGEPs. The option is open to students who complete the 180.A0 Nursing Program at CEGEP or a comparable program elsewhere. It consists of two additional years at university in which students take more advanced nursing and science courses to meet the competencies expected of a nurse with a Baccalaureate degree. These competencies include working in multidisciplinary teams or more autonomously, in hospital and community settings, with individuals, families, and groups, planning health education programs and participating in research.

2.2.1 B.N. Entrance Requirements

Admission from a CEGEP Nursing Program other than the DEC 180.A0

Applicants must have a Diplôme d'études collégiales (DEC) in a nursing program and have completed Biology 902, 903 and 904; OR 301 and 401 (00UK and 00XU or equivalents); OR 911 and 921; OR 921 and 931. Admission will be based on the cote de rendement au collégial (cote r); both the overall cote r and the cote r in prerequisite courses.

A nursing license is required. Candidates who are registered in a CEGEP nursing program at the time of applying may be offered admission. These candidates must pass the licensing examination within the first year at McGill and furnish proof to the School.

Candidates must submit a completed application form; an academic/employer reference form completed by the current or most recent employer; in the case of an individual currently in a nursing program, the form should be completed by a faculty member in the final year who knows the student; high school and CEGEP transcipts; and proof of licensure (except for students graduating the Spring before applying to McGill).

Admission from other College or Diploma Nursing Programs

Applicants must have a diploma from a Quebec hospital school or a college nursing program outside of Quebec. Candidates should have successfully completed two terms of Biology at the first year university level or the equivalent of CEGEP Biology 902, 903 and 904; OR 301 and 401; OR 911 and 921; OR 921 and 931.

A nursing license is required.

Candidates must submit a completed application form; an academic/employer reference form completed by the current or most recent employer, in the case of an individual currently in a nursing program, the form should be completed by a faculty member in the final year who knows the student; official transcripts from high school and the nursing program from which they graduated; and proof of licensure.

Admission as a Mature Student

Applicants who do not meet the minimum cote r for the year but who are Canadian citizens with a current nursing license, have been out of school for at least one year and who are at least 23

years old, may complete a package of five qualifying courses to be eligible for admission. These courses must be completed within a three-year period with an overall B average and a passing grade of C or above in each course.

The package consists of three courses offered through McGill's Centre for Continuing Education and two General Chemistry courses from CEGEP. Interested candidates should contact the Assistant Director, B.N. Program for more information on Continuing Education courses approved by the School. Successful students will receive transfer credits and exemptions for two of the Continuing Education courses that are complementary courses of the program. The Chemistry courses are 202-101 and 202-201 (00UL, 00UM or equivalents) which are required for science courses in the program.

Non-Canadian Applicants

Students from countries other than Canada who wish to be considered for entrance to the Bachelor of Nursing program should contact the Admissions, Recruitment and Registrar's Office for information with respect to admissions requirements.

Admission from the Nursing DEC 180.A0

Beginning in September 2004, students who are completing the collegial segment (DEC 180.A0) of the five-year integrated nursing program will be considered for admission to the university segment of the program. Applicants who do not meet the minimum requirements may complete three courses from the fourth year of the Integrated Program to be eligible for admission. Please contact the Assistant Director, BN Program for more information.

2.2.2 B.N. Course of Study

The B.N. program consists of a minimum of 81 university credits (66 credits for the Integrated Nursing Option) distributed over courses in nursing, biological sciences, and social sciences. Students admitted to the B.N. program must complete the following three chemistry courses prior to or as soon as possible after admission:

CHEM110 General Chemistry 1 or CEGEP (00UL or equivalent)
CHEM120 General Chemistry 2 or CEGEP (00UM or equivalent)
CHEM212 Introductory Organic Chemistry 1 or CEGEP (00XV or equivalent)

These three chemistry courses form the basic science foundation for more advanced science courses of the program (NUR1201, PHGY 201, PHGY 202, PATH 300, and PHAR 300). Students will not be allowed to take these advanced science courses until they have successfully completed the chemistry requirements. The chemistry courses may be taken at CEGEP, McGill, or another university. (Credits for these courses are not applied towards the 81credits of the B.N. program).

Students admitted to the B.N. (Integrated Nursing Option) will supplement the chemistry component of their DEC 180.A0 with appropriate courses within their 66-credit program.

Students in all years of the B.N. program are strongly recommended to consult with the Assistant Director, BN Program for advising prior to registration or course changes.

B.N. (81 credits)

Required Nursing Courses (50 credits)

Fall Term

NUR1222	(1)	McGill Model of Nursing
NUR1224	(3)	Advances in Therapeutic Skills
NUR1321	(2)	Acute Stressors and Coping
NUR1323	(3)	Illness Management 1
NUR1331	(4)	Nursing in Illness 1
NUR1368	(3)	Emergency Dynamics 2
NUR1420	(3)	Primary Health Care
NUR1422	(3)	Research in Nursing
NUR1431	(4)	Community Nursing 1

Winter Term

NUR1200	(4)	Biology for Illness & Therapy
NUR1235	(4)	Health and Physical Assessment
NUR1322	(3)	Chronic Illness and Palliative Care
NUR1324	(2)	Illness Management 2
NUR1328	(3)	Learning and Health Education
NUR1421	(3)	Resources: Special Populations

Summer Term

NUR1325	(2)	Symptom Management
NUR1367	(3)	Emergency Dynamics 1

Required Non-Nursing Courses (18 credits)

Fall Term

PHAR300	(3)	Drug Action
PHGY201	(3)	Human Physiology: Control Systems
PSYC204	(3)	Introduction to Psychological Statistics
PSYC215	(3)	Social Psychology

Winter Term

PATH300	(3)	Human Disease
PHGY202	(3)	Human Physiology: Body Functions

Complementary Courses (10 credits)

one of the following management courses:

CHLC500	(3)	Health Care Systems
MGCR222	(3)	Introduction to Organizational Behaviour

one of the following nursing courses:

HSEL308	(3)	Issues in Women's Health
HSEL309	(3)	Women's Reproductive Health
NUR1221	(3)	Families and Health Behaviour
NUR1223	(3)	Development over the Lifespan

one of the following clinical courses:

NUR1332	(4)	Nursing in Illness 2
NUR1432	(4)	Community Nursing 2

Elective Course (3 credits)

3 credits at the 300 level or higher

B.N. (Integrated Nursing Option) (66 credits)

Required Nursing Courses (44 credits)

Fall Term

NUR1 219	(1)	Transition to McGill Model
NUR1 239	(2)	Health & Phusical Assessment 2
NUR1 319	(3)	Stress & Illness Management
NUR1 420	(3)	Primary Health Care
NUR1 422	(3)	Research in Nursing
NUR1 431	(4)	Community Nursing 1

Winter Term

NUR1 200	(4)	Biology for Illness & Therapy
NUR1 221	(3)	Families and Health Behaviour
NUR1 322	(3)	Chronic Illness & Palliative Care
NUR1 324	(2)	Illness Management 2
NUR1 328	(3)	Learning and Health Education
NUR1 421	(3)	Resources: Special Populations
NUR1 432	(4)	Community Nursing 2

Summer Term

NUR1 325	(2)	Symptom Management
NUR1 331	(4)	Nursing in Illness 1

Required Non-Nursing Courses (22 credits)

CHEM232	(4)	Organic Chemistry Principles
PATH300	(3)	Human Disease
PHAR300	(3)	Drug Action
PHGY201	(3)	Human Physiology: Control Systems
PHGY202	(3)	Human Physiology: Body Functions
PSYC204	(3)	Introduction to Psychological Statistics
PSYC215	(3)	Social Psychology

2.3 Application for Admission

Application to the School of Nursing can be made using the McGill on-line application available at www.mcgill.ca/applying. Those without access to the Web may obtain the application kit by

e-mailing, writing, or telephoning the Admissions, Recruitment and Registrar's Office.

Please note that the same application is used for all undergraduate programs at McGill and two program choices can be entered.

The deadlines for submission of applications for Fall admission are: January 15 (applicants studying outside of Canada), February1 (applicants from Canadian high schools outside of Quebec), March 1 (all other applicants). For January admission to the Bachelor of Nursing program, the deadline for application is November 1.

All applications must be accompanied by a $60 non-refundable fee, in Canadian or U.S. funds only, payable by credit card, certified cheque, or money order. McGill does not offer application fee waivers.

Hard-copy applications should be sent to the Admissions, Recruitment and Registrar's Office, McGill University, James Administration Building, 845Sherbrooke Street W., Montreal, QC H3A 2T5. Telephone: (514) 398-3910.
E-mail: admissions@mcgill.ca.

2.4 Scholarships, Bursaries and Prizes

There are a number of entrance scholarships open to students from all parts of Canada registering in the University. Information can be found in the *Undergraduate Scholarships and Awards Calendar* available on the Web at www.mcgill.ca/courses.

ISABEL CLARKE DICKSON WOODROW SCHOLARSHIPS, established in 2000 by a generous bequest from Isabel Clarke Dickson Woodrow for Canadian students entering an undergraduate Nursing program. While academic standing is of primary importance, account may also be taken of financial need and/or qualities of leadership in community and school activities. Awarded by the University Committee on Scholarships and Student Aid and renewable provided the holder maintains an academic standing satisfactory to the Committee. Any unspent funds may be awarded by the Student Aid Office as bursaries to Canadian undergraduate students in Nursing. Value: minimum $2,000 each.

WOMAN'S GENERAL/REDDY MEMORIAL AND A.W. LINDSAY AWARD, established in 2001 by joint gifts from alumnae of the Reddy Memorial Hospital (formerly the Woman's General Hospital) and Estelle Aspler, Cert. Nursing. 1947, whose gifts are in memory of Agnes Winonah Lindsay, B.N. 1950. Awarded by the School of Nursing to undergraduate students who have completed at least one year of their degree program. Preference shall be given to students who are returning to obtain a university degree after working in the nursing profession with a college diploma. Value: minimum $500.

GRACE PRESCOTT BURSARY, established in 1990 by Grace Harriet Prescott to assist students pursuing studies in Nursing. Awarded on the basis of academic standing and financial need.

NESSA LECKIE MEMORIAL AWARD, established in 2001 through a generous bequest from Nessa Leckie, B.N. 1961. Awarded by the School of Nursing to an outstanding student enrolled in the Master's program in the School of Nursing whose major area of studies is mental health nursing, who is working or has previously worked in the nursing field in an area relating to mental health and who has demonstrated clinical expertise in this area. Value: minimum $2,500.

IRMA K. RILEY AWARDS, established through a bequest from IrmaK. Riley, Cert. Nurs. 1951. Awarded on the basis of scholarly achievement by the School of Nursing to outstanding non-nurse applicants entering the Qualifying program for a Master's degree in Nursing. Value: minimum $2,800 each.

In-Course Awards

NURSING ALUMNAE SCHOLARSHIP, several scholarships of approximately $1,200 each. Awarded annually to undergraduate nursing students in the second and third year of their program and to students in the graduate program in Nursing. Three of these prizes are named: the Marion Lindeburgh Scholarship, the Irma Riley Award, and the Agnes Boisde Award. Application is made at the School early in the fall term.

BLANDY PRIZE, established in 2003 by the late June Blandy, B.N. (1971) to recognize academic excellence. Value: $50.

CLIFFORD C.F. WONG SCHOLARSHIP, established in 1989 by the late Clifford C.F. Wong, B.Arch. (1960) to recognize distinguished academic standing. Awarded by the School to a continuing student having completed at least one year in the Bachelor of Science in Nursing Program. Value: $1,500.

Note: The School of Nursing also awards Book Prizes and Canadian Journal of Nursing Research (CJNR) Prizes. Students are encouraged to inquire with the School of Nursing for additional fellowships and scholarships available within the current academic year.

Prizes awarded at Convocation

F. MOYRA ALLEN PRIZE, established in honour of the distinguished career and international renown of F.Moyra Allen, B.N., Ph.D., Emeritus Professor of Nursing. Awarded by the School to a graduate of the Master's program who shows potential for a distinctive career in the study and practice of nursing. Value: $800.

LEXY L. FELLOWES MEMORIAL PRIZE, established in 1969 by Miss Rae Fellowes in memory of her mother, this prize is awarded to the student with the highest academic and professional achievement in the Bachelor of Science Nursing program. Value: $800.

ANNE MARIE FONG HUM MEMORIAL PRIZE, awarded to the student who has demonstrated sensitivity and skill in helping patients and families cope with situations related to long-term illness. Value: $200.

MCGILL ALUMNAE SOCIETY PRIZE, presented to a graduating student for excellence and high academic standing. Value: $150.

A complete list of scholarships, bursaries, prizes and awards, and the regulations governing the various loan funds are given in the *Undergraduate Scholarships and Awards Calendar* and in the Graduate Fellowships and Awards section of the *Graduate and Postdoctoral Studies Calendar*. Both are available on the Web at www.mcgill.ca/courses.

Candidates for the Graduate Program are advised to begin applications for such awards as early as possible in order to complete the process prior to entry into the program.

3 Registration and Regulations

Students admitted to the B.Sc.(N.) and B.N. programs are advised to refer to the *Welcome to McGill* booklet for information on Discover McGill activities.

New undergraduate nursing students may obtain information related to registration and/or academic advising on the Web at www.mcgill.ca/student-records.

Official registration through Minerva must be completed by the Orientation Session in August. Students registering late for reasons unrelated to the admission procedure are subject to the late payment fee.

All new students in Nursing should refer to the Vaccination Requirements outlined in the General University Information section "Vaccination/Immunization Requirements" on page5 Annual flu vaccination is strongly recommended.

Valid First Aid and CPR Certification is required no later than January 30th of the first year of the program. This Certification must be maintained throughout the program.

Registration information for students in the Graduate Program will be provided by the School directly to the applicant.

Regulations Concerning Withdrawal

Faculty permission must be given to withdraw from a course.

Tuition fees for individual course withdrawal as well as for complete withdrawal from the University are refundable if done prior to deadlines specified in the Calendar of Dates.

Regulations Concerning Clinical Placements

An effort is made to place students within reasonable traveling distance for clinical studies but this **cannot be guaranteed.** Therefore, each student must budget a sum of money to travel to and from a clinical agency during their clinical course experiences.

The School of Nursing reserves the right to require the withdrawal of any student at any time if, in the opinion of the School, the student is incompetent in clinical studies.

Note: The order in which clinical courses are offered may vary with the availability of clinical placement facilities.

Criminal Reference Check: Clinical agencies may require students entering their facility to undergo a Criminal Reference Check prior to being granted permission to enter their facility. Inability of the student to gain access to clinical study settings can preclude their ability to meet the clinical course requirements within their program of study.

3.1 Registration with the Profession

All students enrolled in a Nursing program must be registered with the Order of Nurses of Quebec by January 30th in order to have access to the clinical field.

3.2 Academic Integrity

In submitting work in their courses, students should remember that plagiarism and cheating are considered to be extremely serious offences.

Students who have any doubt as to what might be considered "plagiarism" in preparing an essay or term paper should consult the instructor of the course to obtain appropriate guidelines.

The possession or use of unauthorized materials in any test or examination constitutes cheating.

The Code of Student Conduct and Disciplinary Procedures includes sections on plagiarism and cheating. The Code is included in the "Student Rights and Responsibilities Handbook" (green book), distributed to new students at the Dean of Students' Orientation Session and accessible from www.mcgill.ca/stuserv. The Code may also be obtained from the Office of the Dean of Students in the Brown Student Services Building.

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with **academic integrity** (see www.mcgill.ca/integrity/ for more information.

Plagiarism in a thesis or a Ph.D. Comprehensive Examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student Conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/documents/) in a thesis or a Ph.D. Comprehensive Examination may face very serious penalties, even expulsion from the University without the degree.

3.3 Evaluation System

GRADING

Courses can be graded either by letter grades or in percentages, but the official grade in each course is the letter grade.

Grades	Grade Points	Numerical Scale of Marks
A	4.0	85 - 100%
A-	3.7	80 - 84%
B+	3.3	75 - 79%
B	3.0	70 - 74%
B-	2.7	65 - 69%
C+	2.3	60 - 64%
C	2.0	55 - 59%
D*	1.0	50 - 54%
F (Fail)	0	0 - 49%

* designated a failure.

For students in the B.Sc.(N.) and B.N. programs, a passing grade in all courses is a C. In the Master's program the pass grade is B-.

The earned grade point for each course is calculated by multiplying the credit rating of the course by the numerical equivalent of the letter grade earned. Standing will be determined on the basis of a grade point average (GPA) computed by dividing the sum of the grade points accumulated during the year by the total course credits attempted.

The cumulative grade point average (CGPA) will be the grade point average calculated using the student's entire record in the program. A failed course will continue to be used in the calculation of the CGPA even after the course is repeated and passed, or if a supplemental examination is taken.

OTHER LETTER GRADES

IP – ***In Progress.*** (Master's Thesis Courses Only)

P – ***Pass.*** Pass/Fail grading is restricted to certain seminars and examinations only. In such cases all grades in these courses are recorded as either Pass or Fail. Not included in GPA calculations.

HH – ***To be continued.*** The use of this grade is reserved for major research projects, monographs and comprehensive examinations as designated for graduate studies.

J – ***Absent:*** to be recorded for the student who did not write the final examination and had not been granted deferred status, or who did not complete an essential part of the course requirements without a valid reason. This is a failure and is calculated in the TGPA and CGPA as a failure. (Students may appeal the assignment of the grade of J, but circumstances such as appearing at the incorrect time for an examination would not be sufficient reason for this grade to be replaced by a deferral. Students who have earned sufficient marks to pass the course even though the final examination is not written, may opt to have their grade based on the record to date.)

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

KF – ***Incomplete/failed:*** failed to meet the extended deadline for submission of work in a course or for the completion of a program requirement. This is a failure and is calculated in the TGPA and CGPA as a failure.

KK – ***Completion requirement waived.*** This is used in exceptional cases only, with the approval of the Director of the Graduate and Postdoctoral Studies Office.

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

L – ***Deferred:*** for students whose final examinations or papers have been deferred, for reasons such as illness, at the time of the examination. The "L" grade must be cleared as soon as possible (maximum four months).

A medical certificate or appropriate document must be submitted to the School of Nursing **before or immediately after** the examination. In particular, such recommendations will not be considered if medical reasons are brought forth after a grade is assigned.

By commencing to write any examination, the student waives the right to plead medical causes for deferral or permission to write a supplemental examination, unless the medical problem occurs in the course of the examination and is documented by examination authorities.

LE or L* – ***Further deferral:*** permitted to defer examination for more than the normal period.

NA or && – ***Grade not yet available.***

NR – ***No grade reported*** by the instructor (recorded by the Registrar).

Q – Course continued in next term.

Satisfactory/Unsatisfactory – ***Not used for graduate students.***

W – ***Withdrew with approval.*** A course dropped, with permission, after the change of course period. Not included in GPA calculations.

WF – ***Withdrew failing:*** a course dropped, with special permission in exceptional case, after faculty deadline for withdrawal from course, the student's performance in the course at that stage being on the level of an F; not included in GPA calculations.
WL – Withdraw from a deferred examination (approved by GPSO).
W-- or -- – ***No grade.*** Student withdrew from the University.

Courses Taken Under the Satisfactory/Unsatisfactory Option
In certain instances, students may designate elective courses to be graded under the Satisfactory/Unsatisfactory option. Only one course (3credits) per term, to a maximum of 10% of a student's credits taken at McGill to fulfil the degree requirements, may be taken in this way. Grades will be reported in the normal fashion by the instructor and those of A through C will be converted to "Satisfactory" (S), and grades of D and F will become "Unsatisfactory" (U). The decision to have an elective course graded as Satisfactory/Unsatisfactory must be made by the student before the end of the Drop/Add period, and no change can be made thereafter. The courses taken under the Satisfactory/Unsatisfactory option will be excluded from the grade point average calculations, but they will be included in the number of credits attempted and completed.

Note: As this option has very limited application in the School of Nursing, students considering it should seek guidance from the faculty advisor. To be considered for in-course awards and/or the renewal of entrance scholarships, students must complete at least 27 graded credits in the regular academic session exclusive of courses completed under the Satisfactory/Unsatisfactory option.

STANDING

Students will be informed early in each course regarding the evaluation methods to be used. All issues pertaining to student performance in the program are reviewed by the Student Standing and Promotions Committee which makes decisions about failures, supplemental examinations, withdrawals, repeats and continuing in the program.

UNDERGRADUATE PROGRAM

Satisfactory Standing:
The student who has a cumulative GPA of 2.0 and above, has received **no more** than **two** failures in the non-nursing courses of the program, and failed no more than four credits in non-clinical nursing courses is considered in satisfactory standing. Full-time students in satisfactory standing take between 12 and 18 credits per term.

Probationary Standing:
Note: U0 students are in satisfactory standing when all required courses are passed at a C level or higher and have a CGPA of 2.0 or above. U0 students can have no more than 2 failures in the Freshman year.
Any student with GPA below 2.0 and who has been allowed to continue the program or repeat a year of the program is on probationary standing.

Any student who has exceeded the number of allowable supplemental examinations and has been given permission to stay in the program is on probationary standing.

A student in probationary standing must return to satisfactory standing at the end of the next academic year by completing the requirements set out by the Student Standing and Promotions Committee **and** obtaining a term GPA of 2.5 **and** a Cumulative GPA of 2.0 and above.

Unsatisfactory Standing:
Any student who has a CGPA **below** 2.0, a term GPA below 1.5 and has a "D" or "F" in more than **two** non-nursing courses in the program ***or*** a "D" or "F" in four credits of nursing **or** has failed a clinical nursing course is in unsatisfactory standing (see Examination section).
Note: Any U0 student who has obtained a "D" or an "F" in more than two courses or has a CGPA below 2.0 is in unsatisfactory standing.

Evaluation In Nursing Courses

The student's final grade is based on written work, oral presentations, examinations and clinical performance. Students will be informed at the beginning of each course of the methods of evaluation in the course.

A student may have no more than **two** failures in the non-nursing courses of the program and failures in no more than four credits in non-clinical nursing courses to be considered in satisfactory standing. The student must have a cumulative GPA at or above 2.0 to be in satisfactory standing.

A student must obtain a "satisfactory" standing in his/her clinical evaluation to pass a clinical nursing course. Failure in a **clinical course** puts the student in **unsatisfactory standing** in the program. This results in a student being asked to withdraw from the program.

Note: *Only under **very** exceptional circumstances will a student be allowed to repeat a clinical nursing course. Permission for the exception can only be granted by the Student Standing and Promotions Committee.*

GRADUATE PROGRAM
Regulations regarding standing fall under the Graduate and Postdoctoral Studies Office. These regulations also apply to students in the Qualifying Year of the Master's program. The regulations state that:

"The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program. These are the courses which have been entered on the registration form."

"Students who have failed one course (non-nursing) in their program of study may write one supplemental examination if the departmental policy permits or retake the course or substitute an equivalent course. A student with any further failures in that course, or a failure in any other courses, will be required to withdraw from their program of study."
(Policies in Graduate and Postdoctoral Studies Office)

A student who has failed in any course required for the degree and has not received permission to attempt a supplemental examination from the School of Nursing Student Standing and Promotions Committee will be required to withdraw.

Only under very special circumstances will a student be allowed to write a supplemental examination in a nursing course. Permission for that exception is granted by the School of Nursing Student Standing and Promotions Committee.

A student must obtain a "satisfactory" standing in his/her clinical evaluation to pass a clinical nursing course. Failure in a clinical course puts the student in **unsatisfactory standing** in the program. This results in a student being asked to withdraw from the program.

EXAMINATIONS

Supplemental Examinations
Students in either the B.Sc.(N.) or B.N. program who have failed in required examinations are permitted to write supplemental examinations only on the recommendation of the Student Standing and Promotions Committee.

Only under very special circumstances will a student be permitted to write more than two supplemental examinations throughout the program.

Students in the Baccalaureate programs must have a CGPA of 2.0 or above in first year and 2.3 i n subsequent years to be eligible for consideration for supplemental examinations.

Each student will be given a copy of the Regulations Governing Baccalaureate and Graduate students in the School of Nursing upon admission to the program.

Deferred Examinations
For reasons such as illness or family afflictions for which the student presents verification, an examination may be "deferred" by permission of the Chair of the Student Standing and Promotions Committee. This verification must be supplied within three (3) days of the scheduled examination.

Note: This stipulation refers to any course taken in the program of study, i.e., nursing and non-nursing courses.

Reassessments and Re-reads
Papers are marked and grades calculated and handled with considerable care. However, if a student wishes the calculation of marks checked (reassessment) or a formal final examination re-read, whether in a nursing course or in other university courses, he/she should initially contact the course Coordinator. Depending on the outcome, the student may apply in writing to the Student Standing and Promotions Committee with reasons for the request.

Procedures Governing Reassessment/Re-Reads

Reassessment is done free of charge. Computer marked examinations can be reassessed but not re-read.

There is a fee for the **re-read** of a final examination or term paper. From this process the final mark for the course can be raised **or** lowered depending on the result.

Application Deadlines:
- March 31 for courses ending in the fall term
- July 31 for courses ending in the winter term
- August 31 for courses ending in May.

Requests for reassessments or re-reads in more than one course per term are not permitted.

Reassessments or re-reads are not available for supplemental examinations.

Re-reads – Graduate Program
See the General Information section of the *Graduate and Postdoctoral Studies Calendar* for policies and regulations relating to rereads of 600- or 700-level courses.

Appeals
If the student is not satisfied with the outcome of the re-read, the student may appeal. The student makes a written appeal to the Student Standing and Promotions Committee stating the reason for the appeal. See "Regulations for School of Nursing" concerning the appeal process.

3.4 Requirements for Licensure

The licensing body for the Province of Quebec is the
Order of Nurses of Quebec
4200 Dorchester Boulevard West, Westmount H3Z 1V4
Telephone: (514) 935-2501

In order to practice nursing in Quebec after graduation from the School of Nursing, a candidate MUST pass the Licensure Examination administered by this body.

Quebec Law requires that candidates seeking licensure in nursing must demonstrate a verbal and written working knowledge of the French language. Further information is given in the General University Information section of this Calendar.

Generally, licensure is required in the jurisdiction in which the nursing program is completed. Once this has been received, reciprocal arrangements for licensure in other jurisdictions may be made. Graduates may have to write more than one licensure examination. Therefore, it is recommended that graduates contact the jurisdiction in which they plan to practice nursing early in the program.

International students are strongly urged to contact the licensing body of the country in which they intend to practice as early as possible in order to have complete information on the requirements for licence.

3.5 Uniforms

B.Sc.(N.) students are required to comply with the uniform policy of the School. Details will be given at registration or shortly thereafter.

4 Undergraduate Courses

Students preparing to register should consult the Web at www.mcgill.ca/minerva (click on Class Schedule) for the most up-to-date list of courses available; courses may have been added, rescheduled or cancelled after this Calendar went to press. Class Schedule lists courses by term and includes days, times, locations, and names of instructors.

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

Denotes courses not offered in 2004-05.

HSEL 308 ISSUES IN WOMEN'S HEALTH. (3) (Fall) (Prerequisite: Introductory Psychology or Sociology or permission of the instructor) (Complementary course for the Women's Studies and Social Studies of Medicine Concentrations) Exploration of a wide range of topics on the health of women. Topics include use of health care system, poverty, roles, immigration, body image, lesbian health, and violence against women. Additional topics vary by year. A Health Science elective open to students in the Faculties of Arts, Science, and Medicine.

HSEL 309 WOMEN'S REPRODUCTIVE HEALTH. (3) (Winter) (Prerequisite: Introductory Psychology or Sociology or permission of the instructor) (Restriction: not open for credit to students who have taken HSEL 308 prior to September 1997) (Complementary course for the Women's Studies and Social Studies of Medicine Concentrations) Concepts of health and medicalization. Canadian and international perspectives. Topics include contraception, abortion, infertility, menstruation, menopause, new reproductive technologies, prenatal care, childbirth. Additional topics vary by year. A Health Science elective open to students in the Faculties of Arts, Science, and Medicine.

NUR1 200 (4) A biological base for pharmacology and pathology. Topics include: cell types, structure and function. Movement across cell membranes, cell movement, transportation, and intercellular communication. Cell life-cycle, normal, abnormal cell growth, repair, and death. Cell metabolism, energy production, storage, release, vitamins, enzymes, DNA structure, nucleic acid replication, transcription and translation.

NUR1 219 TRANSITION TO THE MCGILL MODEL. (1) This course introduces students to the McGill Model of Nursing.

NUR1 220 THERAPEUTIC RELATIONSHIPS. (3) The course introduces the principles, theories, and basic skills of a collaborative relationship with individuals and families. Students will learn about the phases of the relationship (i.e., engagement, working, and termination) and the clinical skills involved in establishing, maintaining, and terminating a relationship in promoting health.

NUR1 221 FAMILIES AND HEALTH BEHAVIOUR. (3) This course introduces theoretical perspectives of family, and the role of the family in health and illness. Characteristics of healthy families, family environments that promote health, family influences on health practices, and family roles during illness are examined. Students will be introduced to family assessment tools and nursing research.

NUR1 222 MCGILL MODEL OF NURSING. (1) This introductory course provides an overview of the history and the philosophical and theoretical tenets underlying the core concepts of the Model. Students are introduced to McGill's perspective on health, family, learning, and collaborative nursing through a study of selected theoretical and research papers.

NUR1 223 DEVELOPMENT OVER THE LIFESPAN. (3) Study of biological, psychological, and social perspectives of human development from infancy through old age within an ecological framework. Developmental processes of learning, coping, and social relationships will be linked to biological development and be discussed as major determinants of health.

NUR1 224 ADVANCES IN THERAPEUTIC SKILLS. (3) (Open to B.N. students only.) The development of collaborative practice with individuals and families during health or illness; a focus on engagement, working and termination phases of long-term, family-

centred relationships. Concepts include personal values, cultural issues, disclosure, boundaries, timing, cognitive interventions, dealing with emotions, and identifying strengths. Concurrent clinical work with a community dwelling family.

NUR1 233 PROMOTING YOUNG FAMILY DEVELOPMENT. (3) (Prequisite: NUR1 223) This clinical course focuses on identifying indicators of healthy development in individuals and families during two phases of development, the birth of a baby and the young preschooler. Students will develop skill in the assessment of these individuals and families and explore nursing approaches that promote their health.

NUR1 234 NURSING ELDERLY FAMILIES. (3) (Prerequisite: NUR1 223) A clinical course providing basic knowledge and skills in promoting and maintaining biological, psychological, and social processes of health in the aged. Students will acquire skill in gerontological nursing assessment and intervention with the elderly living in the community.

NUR1 235 HEALTH AND PHYSICAL ASSESSMENT. (4) This course will develop basic knowledge and skills required to do a health history and to carry out basic physical assessment in infants, children, and adults.

NUR1 239 HEALTH & PHYSICAL ASSESSMENT 2. (2) (College introduction to health and physical assessment.) An integrated approach to physical assessment and a comprehensive health assessment for the purpose of primary care screening and triage.

NUR1 266 HEALTH ASSESSMENT IN EMERGENCY. (3) (Restriction: Limited to registered nurses with a DEC or a Bachelor degree in Nursing and to students in nursing programs at McGill.) Basic and emergency health and physical assessment of children, adults and the elderly.

NUR1 319 STRESS & ILLNESS MANAGEMENT. (3) (Corequisites: NUR1 219, PHGY 201.) The psychological, behavioural and biological responses to stress and acute illness and the interrelationship between personal and contextual resources in determining health outcomes.

NUR1 321 ACUTE STRESSORS AND COPING. (2) Physiological, psychological, and social perspectives are used to examine stress associated with illness, injury, and developmental events. Theories of stress and coping are examined; research findings highlighting the links between stressors, coping responses and health outcomes in individuals and families are reviewed.

NUR1 322 CHRONIC ILLNESS AND PALLIATIVE CARE. (3) The biological, psychological and social factors which influence living with chronic illness are examined. Empirical findings linking different chronic stressors to coping responses and to health outcomes are reviewed. Issues in palliative care, the care of the dying, and the nature of bereavement are reviewed.

NUR1 323 ILLNESS MANAGEMENT 1. (3) (Pre-/co-requisite: NUR1 321. Corequisite: NUR1 331) The focus of this course is the medical, surgical and nursing management of the major illnesses in adults and children. Topics will include diagnostic tests, drug therapies, dietary management, exercise, relaxation techniques, pain management approaches, patient education, and strategies for maintaining physical and emotional well-being.

NUR1 324 ILLNESS MANAGEMENT 2. (2) (Prerequisite: NUR1 323) (Continuation of NUR1 323) This course will focus on the medical, surgical and nursing and nursing management of the major illnesses in adults and children. Topics will include diagnostic tests, drug therapies, dietary management, exercise, relaxation techniques, pain management approaches, patient education, and strategies for maintaining physical health and emotional well-being.

NUR1 325 SYMPTOM MANAGEMENT. (2) (Prerequisites: NUR1 323, NUR1 324) This course focuses on recognizing when symptoms require referral for medical treatment and when they can be managed safely at home. Approaches to illness-related symptoms and minor medical problems including diarrhea, fever, dysmenorrhea, anorexia, cellulitis, infections, common cold, ear infections, urinary tract infections, minor injuries, headaches, pain, rashes are presented.

NUR1 328 LEARNING AND HEALTH EDUCATION. (3) This course examines how cognitive, behaviorist, and social learning theories may be used to enhance individual and family health behaviors, coping and development. Topics include: learning theories; principles of teaching and learning, support groups, issues around clients' use of information technology for health information.

NUR1 331 NURSING IN ILLNESS 1. (4) (Prerequisite: NUR1 235; Pre-/co-requisite: NUR1 321, NUR1 323 or permission of the instructor.) This clinical course integrates knowledge of normal physiological and psychological processes, disease and illness management in the assessment and care of the acutely ill. Students will develop interventions that conserve patient energy, alleviate physical and emotional pain, promote healing, and help families cope and deal with the health care system.

NUR1 332 NURSING IN ILLNESS 2. (4) (Pre-/co-requisite: NUR1 235, NUR1 322, NUR1 331 or permission of the instructor.) This clinical course integrates knowledge related to individuals and families coping with acute, chronic and terminal illnesses, and illness management in nursing practice. Assessment skills will focus on changes in physiological functioning, emotions, behavior, and family processes.

NUR1 333 NURSING IN ILLNESS 3. (4) (Prerequisite: NUR1 332) Focus is on the integration of knowledge and skills acquired over the first two years of the program. Students and faculty will conjointly determine the student's clinical placement on the basis of the student's learning needs and their previous clinical experiences.

NUR1 349 EMERGENCY CLINICAL INTEGRATION. (3) (Prerequisite: NUR1 266 or permission of the instructor; NUR1 367 and NUR1 368.) (Restriction: Limited to registered nurses with a DEC or a Bachelor degree in Nursing and to students in nursing programs at McGill.) Clinical integration of the theory, knowledge, and experiences relevant to emergency nursing.

NUR1 367 EMERGENCY NURSING DYNAMICS 1. (3) (Restriction: Limited to registered nurses with a DEC or a Bachelor degree in Nursing and to students in nursing programs at McGill.) Analysis of and responses to adult and paediatric emergency situations involving the respiratory, cardiovascular, and neurological systems and shock/trauma.

NUR1 368 EMERGENCY NURSING DYNAMICS 2. (3) (Restriction: Limited to registered nurses with a DEC or a Bachelor degree in Nursing and to students in nursing programs at McGill.) Analysis of and responses to paediatric and adult emergency situations in oncology, obstetrics/gynaecology, endocrine disorders, pain management, psychiatric and social problems.

NUR1 420 PRIMARY HEALTH CARE. (3) Principles of accessibility, public participation, intersectorial and interdisciplinary collaboration, appropriate technology, and health promotion and illness prevention are discussed in relation to the planning and delivery of local, regional, and international health delivery systems. Topics include the infrastructure that supports health, and socio-economic, political and cultural contexts of health.

NUR1 421 RESOURCES: SPECIAL POPULATIONS. (3) The concept of social support is explored and links between social networks and health are examined. Groups at health risk including the homeless, poor, and new immigrants are identified. Types and functions of community groups available as social resources for these groups will be discussed.

NUR1 422 RESEARCH IN NURSING. (3) (3 hours class weekly) (Corequisite: PSYC 204) (Not open to students who have taken NUR1 303) This course explores the knowledge required to understand the relationship between research endeavours and the development of the practice or nursing. Content includes: the processes of transforming clinical data into nursing research questions; critical analysis of research studies; and an evaluation of feasibility and applicability of research findings.

NUR1 424 LEGAL AND ETHICAL ISSUES: NURSING. (3) This course covers ethical and legal aspects related to caring for patients and their families, and principles in ethical decision-making. Issues of professional accountability, liability, and advocacy are addressed in such contexts as withholding treatment, organ harvesting, abortion, involuntary commitment, etc.

NUR1 431 COMMUNITY NURSING 1. (4) (Pre-/co-requisite: NUR1 420) In this clinical course students will apply their knowledge and increase their skills in assisting families and special groups in the community to deal more effectively with normal developmental events, on going social problems and illness or other crisis events.

NUR1 432 COMMUNITY NURSING 2. (4) (Prerequisite: NUR1 431) In this clinical course students will apply their knowledge and increase their skills in assisting families and special groups in the community to deal more effectively with normal developmental events, on going social problems and illness or other crisis events.

NUR1 530 CLINICAL INTERNSHIP. (5) (Restriction: Only B.Sc.(N) Program) This clinical nursing experience offers students an opportunity to consolidate their knowledge and assessment skills in either community nursing or critical care.

NUR2 511D1 (3), NUR2 511D2 (3) PRACTICE OF NURSING PART 1. (Students must register for both NUR2 511D1 and NUR2 511D2.) (No credit will be given for this course unless both NUR2 511D1 and NUR2 511D2 are successfully completed in consecutive terms) A study of selected concepts related to the practice of nursing including health, family, normative life transitions and interpersonal interaction. The major focus is on developing an understanding of human behaviour using the process of scientific inquiry. Special emphasis is placed on the observation of people in their physical and social environments and on the analysis of clinical data as the basis for the development of innovative nursing approaches.

NUR2 512 PRACTICE AND THEORY IN NURSING. (8) Learning to nurse patients in acute care settings, who are experiencing a variety of common illness-related problems.

NUR2 514D1 (5), NUR2 514D2 (5) CLINICAL LABORATORY IN NURSING. (Students must register for both NUR2 514D1 and NUR2 514D2.) (No credit will be given for this course unless both NUR2 514D1 and NUR2 514D2 are successfully completed in consecutive terms) Learning to nurse through field experiences with individuals and families in the community and in acute care settings. The focus is on the application of knowledge and theory in practice and includes the testing and analysis of nursing approaches. Students work with clients and families experiencing a variety of life events including aging, birth and parenting as well as acute illness and hospitalization.

4.1 Note to all Students

It is expected that students will attend Nursing Explorations. Astudent fee applies.

5 Graduate Programs

See also section 3 “Registration and Regulations”.

5.1 Programs Offered

Master’s Program

Master of Science (Applied)
The objective of this program is to prepare specialists in nursing able to participate in the development, implementation and management of services in all domains of health care. Opportunity is provided for the advanced clinical study of nursing, and for incorporating research and evaluation methods in the investigation of nursing problems.
Program revisions under consideration for September 2004 consist of an increasing emphasis on specialization in areas including family health care, cancer nursing, neuroscience nursing and critical care nursing. Selected nurse practitioner options are also being considered.

Doctoral Studies in Nursing

The School of Nursing of McGill University and the Faculté des Sciences Infirmières of the Université de Montréal offer a joint doctorate program leading to a Ph.D. in Nursing. This program is offered in English at McGill.

The program is designed to train researchers who will make a contribution to the advancement of knowledge in the field of nursing and assume a leadership role both in the profession and in the health care system.

5.2 Admission Requirements

Master's Programs

Applicants should make arrangements to obtain C.P.R. (Cardio-Pulmonary Resuscitation) certification **prior** to entry into the Qualifying year (Nurse-applicants may already have C.P.R. certification, if not they must obtain one prior to entry as well). Applicants will be asked to provide proof of certification once registered in the program.

Proficiency in English: The language of instruction at McGill University is English. Students must write term papers, examinations and theses in English or in French. Non-Canadian applicants whose mother tongue is not English and who have not completed an undergraduate degree from a recognized institution where English is the language of instruction are required to submit documented proof of competency in oral and written English **prior to submitting an application**: the Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based) or 260 (computer-based), **or** the International English Language Testing System (IELTS) with a minimum overall band score of 7.5

GRE (Graduate Record Examination) general test results may be required in individual circumstances.

Nurse applicants (Nursing Bachelor's entry - NBE)
Applicants for the Master's degree must have completed a bachelor's degree in nursing with a minimum GPA of 3.0 on a scale of 4.0. This preparation should be comparable to that offered in the bachelor's program at McGill. Experience in nursing is suggested. An introductory statistics course (3 credits) is required prior to entry.

Nurse applicants to the Master's program may complete their studies on a part-time basis, i.e., minimum of 6 credits per term to a maximum of four years.

Nurses with a general B.Sc. or B.A. (comparable to the McGill undergraduate degrees) may be considered on an individual basis.

All nurse applicants are expected to hold current registration in the province or country from which they come. Nurses who are not licensed in Quebec must obtain a special authorization for graduate nurse students from the Ordre des infirmières et infirmiers du Québec (www.oiiq.org).

B.A./B.Sc. applicants (Direct-Entry - DE)
Applicants holding a general B.Sc. or B.A., including a number of prerequisite courses, may be admitted to a Qualifying Year. A minimum G.P.A. (Grade Point Average) of 3.0 on a scale of 4.0 is required for entry. Upon successful completion of the Qualifying Year, candidates apply to the Master's program.

Direct-Entry applicants must complete their Qualifying Year and the Master's program of study on a full-time basis, i.e., total of three years.

Persons prepared in another professional discipline or in nursing are not eligible for this program.

Ph.D. Program

Applicants admitted to the Doctoral program through McGill University must satisfy the following conditions. Selected applicants may be considered for entry to the doctoral program upon completion of the first year of the M. Sc. (A) program at McGill.

1. hold a Master of Science in Nursing or equivalent;
2. GPA of 3.3 or high B standing;
3. demonstrated research ability;
4. be accepted by a faculty member who has agreed to serve as the thesis adviser;
5. submit a 5-page outline of proposed research including literature review and abbreviated methods sections;
6. submit letters of references from two professors who are familiar with the candidate's work and research aptitude;
7. submit a curriculum vitae;
8. submit two official copies of academic transcripts of undergraduate and graduate records,
9. be eligible to hold nursing registration in Quebec;
10. submit results of the Graduate Record Examination General Test, taken within the past 5 years.

11.) Non-Canadian applicants: the language of instruction at McGill University is English. Students must write term papers, examinations and theses in English or in French. **Non-Canadian applicants** whose mother tongue is not English and who have not completed an undergraduate degree from a recognized institution where English is the language of instruction are required to submit documented proof of competency in oral and written English **prior to submitting an application**: the Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based) or 260 (computer-based), or the International English Language Testing System (IELTS) with a minimum overall band score of 7.5

5.3 Application Procedures

McGill's on-line application form for graduate program candidates is available at www.mcgill.ca/applying/graduate. Instructions on submitting applications are available on-line.

Applications for Fall (September) 2004: On-line applications open as of September 14, 2003.

"M.Sc.(A) Program (Nurse Bachelor entry candidates) (Direct-entry applicants apply to the M.Sc.(A) program on-line and if admitted these candidates will be entering the Qualifying Year)

- International deadline: March 1, 2004
- Canadian deadline: March 31, 2004

Ph.D. Program:

- International deadline: March 1, 2004
- Canadian deadline: April 15, 2004

Applications for Winter (January 2005): On-line applications open as of March 15, 2004 - Ph.D Program ONLY:

- **International deadline: August 1, 2004**
- **Canadian deadline: September 15, 2004**

5.4 Program Requirements

MASTER'S PROGRAMS

The general rules concerning higher degrees apply. (See the Graduate and Postdoctoral Studies Office General Information and Regulations.) A minimum of two years of study is required for the Masters programs.

M.Sc. (thesis) (50 credits) (not offered 2004-05)

M.Sc. (Applied) Program (48 to 60 credits)

Required Courses (33credits)

NUR2611D1/D2	(6)	Seminar in Nursing
NUR2612	(3)	Research Methods in Nursing 1
NUR2614D1/D2	(6)	Clinical Laboratory - Nursing 1
NUR2626	(3)	Professional Issues in Nursing
NUR2630	(3)	Clinical Project 1
NUR2631	(3)	Clinical Project 2
NUR2642	(3)	Ethics in Advanced Practice
NUR2643	(3)	Role Development

one 3-credit upper-level statistics course

Complementary Courses (15 to 27 credits)

20 credits - Direct Entry students (clinical)
16 credits - Nursing Bachelors Entry students (clinical)
27 credits - Nursing Bachelors Entry students (Nurse Practitioner)
15 credits - Nursing Bachelors Entry students (adjunct)

Students take the appropriate number of credits from the following list of courses:

NUR2615	(3)	Health Care Evaluation
NUR2616	(4)	Advanced Clinical Skills
NUR2624	(4)	Clinical Laboratory in Nursing 2
NUR2627	(3)	Nursing Practicum
NUR2628	(4)	Advanced Assessment
NUR2640	(4)	Clinical Reasoning 1
NUR2641	(4)	Clinical Reasoning 2
NUR2644	(3)	Special Topics 1
or NUR2645	(3)	Special Topics 2
or NUR2646	(3)	Special Topics 3
or NUR2647	(3)	Special Topics 4
NUR2650	(8)	Practicioner Internship

or other graduate level courses in consultation with faculty advisor.

QUALIFYING YEAR (41 credits)
(non-nurse applicants entering with B.A. or B.Sc.)

Fall Term

NUR1222	(1)	McGill Model of Nursing
NUR2511D1	(3)	Practice of Nursing Part 1
NUR2514D1	(5)	Clinical Laboratory in Nursing

2 complementary courses*

Winter Term

NUR1235	(4)	Health and Physical Assessment
NUR2511D2	(3)	Practice of Nursing Part 1
NUR2514D2	(5)	Clinical Laboratory in Nursing

2 complementary courses*

Summer Term

NUR2512	(8)	Practice and Theory in Nursing

***Complementary Courses:** a total of 12 credits from the physical sciences, social sciences and nursing, are chosen in consultation with faculty to complement the student's previous academic background.

Students must successfully complete the Qualifying Year with a minimum of B- in all courses and be recommended by the Standing and Promotions Committee for entry to the Master of Science (Applied) Program. Students in the Qualifying Year will be required to submit an on-line application to the Master's of Science (Applied) by the application deadline.

Ph.D. PROGRAM

Each student's program is designed with the thesis supervisor, taking into account the student's previous academic preparation, needs and research interests. The requirements for the doctoral degree are:

1. A minimum of 18 credits beyond the Master's level. Courses and seminars in research design, issues of measurement, advanced nursing, development of theory in nursing, advanced statistics and complementary course(s) in the student's major field of study are compulsory. The student's program is decided in consultation with the faculty advisor.
2. Successful completion of the Ph.D. comprehensive examination.
3. Oral defense of the thesis proposal.
4. Dissertation and oral examination.
5. Two years of full-time residence. A student who has obtained a Master's degree at McGill University or at an approved institution elsewhere, and is proceeding in the same subject to a Ph.D. degree, may on the recommendation of the School, be registered in the second year of the Ph.D. program.

5.5 Courses

Students preparing to register should consult the Web at www.mcgill.ca/minerva (click on Class Schedule) for the most up-to-date list of courses available; courses may have been added, rescheduled or cancelled after this Calendar went to press. Class Schedule lists courses by term and includes days, times, locations, and names of instructors.

Details of the courses to be offered in the current year are also available from the School.

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.

Denotes courses not offered in 2004-05

QUALIFYING PROGRAM

NUR1 222 MCGILL MODEL OF NURSING. (1) This introductory course provides an overview of the history and the philosophical and theoretical tenets underlying the core concepts of the Model. Students are introduced to McGill's perspective on health, family, learning, and collaborative nursing through a study of selected theoretical and research papers.

NUR1 235 HEALTH AND PHYSICAL ASSESSMENT. (4) This course will develop basic knowledge and skills required to do a health history and to carry out basic physical assessment in infants, children, and adults.

NUR2 511D1 (3), NUR2 511D2 (3) PRACTICE OF NURSING PART 1. (Students must register for both NUR2 511D1 and NUR2 511D2.) (No credit will be given for this course unless both NUR2 511D1 and NUR2 511D2 are successfully completed in consecutive terms) A study of selected concepts related to the practice of nursing including health, family, normative life transitions and interpersonal interaction. The major focus is on developing an understanding of human behaviour using the process of scientific inquiry. Special emphasis is placed on the observation of people in their physical and social environments and on the analysis of clinical data as the basis for the development of innovative nursing approaches.

NUR2 512 PRACTICE AND THEORY IN NURSING. (8) Learning to nurse patients in acute care settings, who are experiencing a variety of common illness-related problems.

NUR2 514D1 (5), NUR2 514D2 (5) CLINICAL LABORATORY IN NURSING. (Students must register for both NUR2 514D1 and NUR2 514D2.) (No credit will be given for this course unless both NUR2 514D1 and NUR2 514D2 are successfully completed in consecutive terms) Learning to nurse through field experiences with individuals and families in the community and in acute care settings. The focus is on the application of knowledge and theory in practice and includes the testing and analysis of nursing approaches. Students work with clients and families experiencing a variety of life events including aging, birth and parenting as well as acute illness and hospitalization.

GRADUATE PROGRAM

NUR2 611D1 (3), NUR2 611D2 (3) SEMINAR IN NURSING. (Students must register for both NUR2 611D1 and NUR2 611D2) (No credit will be given for this course unless both NUR2 611D1 and NUR2 611D2 are successfully completed in consecutive terms) A critical study of selected concepts in nursing and health related to individuals and families. An introduction to the study of concepts and theories relevant to nursing.

NUR2 612 RESEARCH METHODS IN NURSING 1. (3) Basic knowledge and skills needed to conduct research. The philosophy and principles of scientific inquiry, research design, sampling, techniques of data collection, ethics, and incorporating research into practice are discussed with emphasis for nursing.

NUR2 614D1 (3), NUR2 614D2 (3) CLINICAL LABORATORY - NURSING 1. (Students must register for both NUR2 614D1 and NUR2 614D2) (No credit will be given for this course unless both NUR2 614D1 and NUR2 614D2 are successfully completed in consecutive terms) Field experience in nursing to test and develop concepts critical to the health of individuals and families. The examination of theories relevant to nursing practice in the clinical field.

NUR2 615 HEALTH CARE EVALUATION. (3) An evaluation of educational and health care systems with particular reference to the nursing input in problems of health, health care and health care delivery. Evaluative research includes qualitative and quantitative approaches to assessing health status and quality of care.

NUR2 616 ADVANCED CLINICAL SKILLS. (4) Supervised clinical experiences in health care agencies are aimed at developing competence in technical and family nursing skills at an advanced level. Experience is determined on an individual basis according to learning needs and the student's area of interest.

NUR2 620 CURRENT THEORIES OF NURSING. (2) (Prerequisites: NUR2 611, NUR2 614 or equivalent) Current theories of nursing e.g. Orem, Roy, King, Rogers are examined along with their implications for practice, curriculum, administration, and research. The internal and external adequacy of these theories will be evaluated using selected schema. Critical analysis of issues and problems of theories in a practice discipline will be undertaken.

NUR2 621D1 (3), NUR2 621D2 (3) SEMINAR IN NURSING 2. (Students must register for both NUR2 621D1 and NUR2 621D2) (No credit will be given for this course unless both NUR2 621D1 and NUR2 621D2 are successfully completed in consecutive terms) An opportunity for investigation of some of the critical problems in nursing as related to the student's area of inquiry. Particular emphasis is placed on theory development in nursing.

NUR2 623 CLINICAL ASSESSMENT AND THERAPEUTICS. (3) (Prerequisites: PATH 300; PHGY 201, PHGY 202 or equivalent.) Development of skills in the medical-nursing assessment and management of patients and families dealing with chronic and life-threatening illnesses. Includes instruction in history-taking and physical assessment.

NUR2 624 CLINICAL LABORATORY IN NURSING 2. (4) Field experience in nursing, incorporating extensive assessment, experimentation and evaluation of differing nursing approaches.

NUR2 625 CLINICAL LABORATORY IN NURSING 3. (6) Field experience in nursing, incorporating extensive assessment, experimentation and evaluation of differing nursing approaches.

NUR2 626 PROFESSIONAL ISSUES IN NURSING. (3) An examination of theories of learning and organizational behaviour as related to the preparation of nurses for the delivery of health care services. Implications of these theories for the assessment, development, and evaluation of nursing programs will be investigated.

NUR2 627 NURSING PRACTICUM. (3)

NUR2 628 ADVANCED ASSESSMENT. (4) (Prerequisite: NUR1 235 or permission of instructor.) Development of advanced skills in health assessment and physical examination of clients across the life span, including diagnostic tests and interventions, documentation and follow-up.

NUR2 630 CLINICAL PROJECT 1. (3) Identification of a clinical problem and development of a project to test or implement best-practice approaches.

NUR2 631 CLINICAL PROJECT 2.(3) (Prerequisite: NUR2 630.)

NUR2 635 PAIN MEASUREMENT IN CHILDREN. (3) (Prerequisite: Graduate-level course in inferential statistics and graduate or undergraduate course in child development, or permission of the instructor.) (Restriction: Health Sciences or Psychology graduate students or permission of the instructor.) Research issues surrounding the measurement of pain throughout childhood. Topics include measurement theory, theoretical and conceptual definitions of pain in children, scale construction, format and scaling issues, reliability, validity, clinical unity, developmental considera-

tions, self-report formats, observational formats, physiological indicators of pain.

NUR2 640 CLINICAL REASONING 1.(4) (Prerequisites: PHGY 201, PHGY 202 or PHGY 209, PHGY 210; PATH 300; PHAR 300; or permission of instructor.)

NUR2 641 CLINICAL REASONING 2.(4) (Prerequisite: NUR2 640.)

NUR2 642 (3)

NUR2 643 (3)

NUR2 644 (3)

NUR2 701 COMPREHENSIVE EXAMINATION. (1)

NUR2 702 QUANTITATIVE RESEARCH. (3) Examination of various experimental, quasi-experimental, correlational, and survey designs with particular focus on the use of these designs in nursing research.

NUR2 703 ISSUES OF MEASUREMENT. (3) An examination of the underlying theories of measurement and techniques for assessing the validity and reliability of data collection instruments. Issues related to the development and/or utilization of instruments to measure target variables in nursing and health research are addressed.

NUR2 706 QUALITATIVE NURSING RESEARCH. (3) (Corequisite: NUR2 702) (Restriction: Enrolled in Ph.D. in Nursing or permission of instructor) Advanced examination of the utilization of qualitative research in nursing.

NUR2 720 NURSING WORKFORCE DETERMINANTS. (3) Factors affecting the planning and management of the nursing workforce in the context of forecasting models, demographic changes, public organizational response, models of organizational behavior and determinants of nursing sensitive outcomes, and productivity.

NUR2 730 THEORY DEVELOPMENT IN NURSING. (3) (Prerequisite: NUR2 620 or equivalent) This course surveys the history of nursing theory development with special emphasis placed on the approaches theory development and the factors affecting these approaches. Issues such as the level of theory, where theory derives are examined in light of the needs of a practice discipline. Future directions for theory development in nursing are explored.

NUR2 780 ADVANCED NURSING. (3) (3 hours seminar weekly) (Prerequisite: NUR2 621, NUR2 624, NUR2 625 or equivalent and permission of instructor) An in-depth analysis of selected issues and developments within nursing and health care. Included will be topics relevant to the areas of research and clinical expertise of the student and faculty.

Table of Contents

1 The School

1.1 Location

School of Physical and Occupational Therapy
Davis House
3654 Promenade Sir-William-Osler
Montreal, QC H3G 1Y5
Canada

Telephone: (514) 398-4500
Fax: (514) 398-6360
Web site: www.medicine.mcgill.ca/spot

1.2 Administrative Officers

Abraham Fuks; B.Sc., M.D.,C.M.(McG.) F.R.C.P.(C) **Dean, Faculty of Medicine**

Sharon Wood-Dauphinee; B.Sc.(P.T.), Dip.Ed., M.Sc.A., Ph.D.(McG. **Interim Director**

Mindy Levin; B.Sc.(P.T,), M.Sc., Ph.D.(McG.) **Director, Physical Therapy**

Sandra Everitt; B.Sc.(O.T.), M.A.(McG.) **Director, Occupational Therapy**

Diane St. Pierre; B.Sc.(P.T.)(McG.), M.Sc., Ph.D.(Montr.) **Director, Graduate Program**

Hélène Marion **Administrative Officer**

1.3 Staff of the School

Professors
Hugues Barbeau; B.Sc.(P.T.), M.Sc., Ph.D.(Laval)
Robert Dykes; B.A.(UCLA), Ph.D.(Johns H.)
Erika Gisel; B.A.(Zur.), B.S.O.T., M.S., Ph.D.(Temple)
Sharon Wood-Dauphinee; B.Sc.(P.T.), Dip.Ed., M.Sc.A., Ph.D.(McG.)

Associate Professors
Joyce Fung; B.Sc.(P.T.)(Hong Kong Polytech. U), Ph.D.(McG.)
Eva Kehayia; B.A., M.A., Ph.D.(McG.)
Nicol Korner-Bitensky; B.Sc.(O.T.), M.Sc., Ph.D.(McG.) (part-time)
Mindy Levin; B.Sc. (P.T.), M.Sc., Ph.D. (McG.)
Annette Majnemer; B.Sc.(O.T.), M.Sc., Ph.D.(McG.)
Nancy Mayo; B.Sc.(P.T.)(Queen's), M.Sc., Ph.D.(McG.)
Patricia McKinley; B.A., M.A., Ph.D.(U.C.L.A.)
Diane St. Pierre; B.Sc.(P.T.)(McG.), M.Sc., Ph.D.(Montr.)

Assistant Professors
Sophie De Serres; B.Eng., M.Eng.(Ecole Polytech.), Ph.D.(Alta.)
Sandra Everitt; B.Sc.(O.T.), M.A.(McG.)
Isabelle Gélinas; B.Sc.(O.T.)(Montr.), M.Sc.(Virginia), Ph.D.(Rehab.Sc.)(McG.)
Anouk Lamontagne; B.Sc., M.Sc., Ph.D.(Laval)
Bernadette Nedelec; B.Sc.(O.T.), Ph.D.(Alta.)
Laurie Snider; B.Sc.(O.T.)(McG.), M.A.(Br.Col.), Ph.D.(Tor.)

Faculty Lecturers
Liliane Asseraf-Pasin; B.Sc.(P.T.) (McG.)
Sylvie Beaulieu; B.Sc.(O.T.)(Montr.), M.Sc.(Rehab.Sc.) (McG.) (part-time)
Géneviève Côté-Leblanc; B.Sc.(O.T.)(McG.), M.Sc. (Rehab.Sc.) (McG.) (part-time)
Annie Cotellesso; B.Sc.(O.T.)(McG.) (part-time)
Mary-Ann Dalzell; B.Sc.(P.T.), M.Sc.A.(McG.) (part-time)
Jean-Pierre Dumas; B.Sc.(P.T.) (McG.), M.Sc. Sciences Bioméd.(Montr.) (part-time)
Shalini Lal; B.Sc.(O.T.), M.Sc.(McG.) (part-time)
Cynthia Perlman; B.Sc.(O.T.)(McG.), M.Sc.(McG.) (part-time)
Caroline Storr; B.Sc.(O.T.), M.B.A.(C'dia) (part-time)
Beverlea Tallant; Dip. P.&O.T.(Tor.), B.Sc.(O.T.)(McG.), M.A., Ph.D.(C'dia)
Aliki Thomas; B.Sc.(O.T.), M.Ed.(McG.) (part-time)
Adriana Venturini; B.Sc.(P.T.), M.Sc.(McG.) (part-time)

Associate Members
D. Da Costa; B.A., M.A., Ph.D. (Concordia)
S.G. Gauthier; B.A., M.D.(Montr.), F.R.C.P.(C), Director, Centre for Studies in Aging, Dept. of Neurology and Neurosurgery, Dept. of Psychiatry, Dept. of Medicine
J.A. Hanley; B.Sc., M.Sc.(Nat. U. Ireland), Ph.D.(Waterloo)
R.E. Kearney; B.Eng., M.Eng., Ph.D.(McG.) Chair, Biomedical Engineering Department
R. Melzack; B.Sc., M.Sc., Ph.D.(McG.), Dept. of Psychology
D. Pearsall; B.A., B.PHE., M.S., Ph.D.(Queen's)
B. Rosenblatt; B.Sc., M.D.,C.M.(McG.), Dept. of Neurology and Neurosurgery
D. Watt; M.D., Ph.D.(McG.), Director, Aerospace Medical Research Unit
Gerald Zavorsky; B.Ed., M.A.,Ph.D.(UBC)

Adjunct Professors
R. Battista; B.A., M.D. (Montr.)
M. Bélanger; B.Sc., M.Sc.(Wat.), Ph.D.(Montr.)
A. Beuter; M.Sc.(Wis.), Ph.D.(UCLA, Berkley)
M. Groher; B.A., M.A.(U. of Redlands), Ph.D.(Wash.)
J. Held; B.Sc., P.T.(SUNY), Ed.D.(Columbia)

S.M.Henry; B.S., P.T., Ph.D.(Vt)
C. Lau; B.A. (UCLA, Berkeley, Ph.D.(U. of Illinois Medical Center)
P. Weiss; B.Sc.(O.T.)(W.Ont.), M.Sc.(Wat.), Ph.D.(McG.)

1.4 History of the School

In response to the marked need for rehabilitation specialists in Canada at the time of the Second World War, the School of Physiotherapy was started at McGill University in 1943. It was the first Canadian School to be under the aegis of a Faculty of Medicine. Initially the School offered a two-year program in physiotherapy plus internship, upgraded to a three-year program in 1947.

In 1950, Occupational Therapy was introduced in a three-year combined Physical and Occupational Therapy diploma program, followed by two months of internship in each profession. The School was given its present name the following year. In 1954, McGill introduced Canada's first B.Sc. program in Physical and Occupational Therapy, together with separate diploma programs in Physical Therapy and in Occupational Therapy.

Due to the advancement of science and technology and to the increasing emphasis on health care needs of society, the programs have evolved, integrating a greater academic and scientific base over the ensuing decades. Thus the diploma programs were phased out, allowing for the creation of the B.Sc. degree in Physical Therapy in 1969, and the B.Sc. degree in Occupational Therapy in 1971. The School vigilantly and continually revises these science-based curricula, to prepare the best qualified graduates for entry into professional practice or advanced studies in rehabilitation.

At the graduate level, an M.Sc. (Applied) program in Health Science (Rehabilitation) was initiated in 1972 and formally approved in 1976. To provide the foundation for the development of a doctorate degree, it was changed from an applied to a thesis degree in 1982. The School now offers both an M.Sc. program in Rehabilitation Science and, since 1988, a Ph.D. program in Rehabilitation Science, the first of its kind in Canada.

1.5 List of Programs

Bachelor of Science in Occupational Therapy, B.Sc.(Occ.Ther.)

Bachelor of Science in Physical Therapy, B.Sc.(Phys.Ther.)

M.Sc. (Applied) in Rehabilitation Science

M.Sc. in Rehabilitation Science

Ph.D. in Rehabilitation Science

2 Programs and Admission Information

2.1 Professional Profiles

Occupational Therapy. Occupational therapy examines all aspects of how occupation as a therapeutic intervention enhances and enables health-related quality of life. Individuals who are affected by physical injury, disability or psychosocial dysfunction are among the clientele served by occupational therapists. Occupational therapy maximizes independence, prevents disability and promotes health across the lifespan, from early intervention in infancy to preventive interventions with the well elderly. In the field of mental health, the occupational therapist contributes to clarifying the functional psychiatric diagnosis and assists clients in coping with environmental stress and integration into the community.

Physical Therapy. Physical Therapists are health professionals who use their specialized skills to improve patients' physical dysfunction resulting from acute events such as accidents, neurological incidents or chronic conditions such as pulmonary disease. Besides providing direct care to patients, physical therapists conduct scientific research, work in industry to prevent injury in the workplace and participate in developing community-based preventive activities.

2.2 Professional Undergraduate Programs Offered

Bachelor of Science in Occupational Therapy, B.Sc.(Occ.Ther.)
This academic/clinical program consists of seven terms over three years following a Quebec Collegial Program in the Sciences or equivalent. Included are courses in science together with professional education in occupational therapy. Clinical experience is provided in the teaching hospitals of the Faculty of Medicine, McGill University, and other affiliated centres. One summer clinical term is completed during the summer preceding the final year. The clinical hours completed over the three-year/seven-term program exceed 1,000 hours. The credit weighting for this program is 105 credits.

Bachelor of Science in Physical Therapy, B.Sc.(Phys.Ther.)
This academic/clinical program consists of seven terms over three years following a Quebec Collegial Program in the Sciences or equivalent. Included are courses in science together with professional education in physical therapy. Clinical experience is provided in the teaching hospitals of the Faculty of Medicine, McGill University, and other affiliated centres. One summer clinical term is completed during the summer preceding the final year. The clinical hours completed over the three-year/seven-term program exceeds 1,000 hours. The credit weighting for this program is 105 credits.

2.3 Requirements for Admission

The nature of the professional programs in both occupational therapy and physical therapy is under review. Changes to the professional degrees offered by the School of Physical and Occupational Therapy are under consideration by the University and, if approved, may result in program changes as early as September2005.

Subject to Ministerial approval of the new programs, beginning in September 2005 students would be admitted to a 90-credit pre-professional bachelor's degree in Physical Therapy or in Occupational Therapy. The undergraduate degrees are designed to lead to a Master of Science (Applied) in the same discipline, i.e., Master of Science (Applied) in Physical Therapy or Master of Science (Applied) in Occupational Therapy.

Entry requirements for CEGEP students would remain unchanged. All entrance requirements for 2004-05 will be available on the Web at www.mcgill.ca/applying in the Fall. Information will also be available from the Admissions, Recruitment and Registrar's Office, James Administration Building, 845 Sherbrooke Street W., Montreal, QC H3A 2T5. Telephone: (514) 398-3910. E-mail: admissions@ mcgill.ca, as well as from the School of Physical and Occupational Therapy.

A policy regarding re-admission is being developed by the School and details will be available in the 2004-05 Physical and Occupational Therapy Student Handbook and Course Guides.

2.3.1 Admission Requirements for Current Programs

ALL APPLICANTS must complete at least 50 hours of volunteer or paid work in a health care facility or other appropriate rehabilitation environment. A letter (or letters) of reference to attest to the service must be submitted prior to August 1 of the entering year. Applicants are advised to be in direct contact with a physical or occupational therapist, and it is preferential to be involved with a physical therapy or occupational therapy department during their volunteer or paid experience.

Quebec applicants who have obtained a CEGEP Diploma of Collegial Studies are expected to have taken the following prerequisite courses: Biology - 00UK, 00XU; Chemistry - 00UL, 00UM, 00XV; Mathematics - 00UN, 00UP; Physics - 00UR, 00US, 00UT.

Applicants who have completed a minimum of one year of college/university studies (or equivalent) are expected to have taken the following university/college-level courses: two terms of biology with labs; two terms of general chemistry with labs; one term of organic chemistry with lab; two terms of physics (mechan-

ics, electricity and magnetism, waves and optics) with labs; one term of differential calculus; and one term of integral calculus.

Applicants from the United Kingdom and Commonwealth countries must have completed two A-Level subjects with final grades of B or better, and two A-Level subject with a final grade of C or better. A-Level subjects must include Biology, Chemistry, Mathematics and Physics.

Applicants with a French Baccalaureate must have completed Series S, with a minimum overall average 12/20 and a minimum of 10/20 in each mathematics, biological and physical sciences course. Applicants may be required to complete additional courses in organic chemistry prior to admission.

Applicants with an International Baccalaureate must have completed biology, chemistry, mathematics, and physics at Higher Level.

McGill Inter-faculty Transfer

Note: McGill students who have completed fewer then 24 credits or who will have completed an undergraduate degree by August 1 of the entering year should address their application directly to the Admissions, Recruitment and Registrar's Office, James Administration Building.

McGill students applying for an inter-faculty transfer to an undergraduate program offered by the School of Physical and Occupational Therapy must have completed a minimum of two terms of study (24 credits) at McGill, taken all the prerequisite courses: two terms of biology; two terms of general chemistry; one term of organic chemistry; two terms of physics (including mechanics, electricity and magnetism, waves, optics at the university level) or three terms of physics at the CEGEP level; and two terms of calculus (differential and integral); and have satisfied the paid/volunteer experience described above by March 31 of the entering year.

High school graduates from outside Quebec who have been accepted into a 120-credit Science program who wish to transfer into Physical or Occupational Therapy must have taken the McGill courses listed below to be eligible to apply to transfer into Physical or Occupational Therapy.

McGill Science Prerequisite Courses – McGill Inter-faculty Transfer

Fall Term

BIOL111	(3)	Principles: Organismal Biology
CHEM110	(4)	General Chemistry 1
MATH139	(4)	Calculus
or MATH140	(3)	Calculus1
PHYS101	(4)	Introductory Physics – Mechanics
or PHYS131	(4)	Mechanics and Waves

Winter Term

BIOL112	(3)	Cell and Molecular Biology
CHEM120	(4)	General Chemistry 2
CHEM212*	(4)	Introductory Organic Chemistry 1
MATH141	(4)	Calculus 2
PHYS102	(4)	Introductory Physics – Electromagnetism
or PHYS142	(4)	Electromagnetism and Optics

* Alternatively, this course can be taken intensively in the summer term in the month of May, the recommended option. It can only be taken in the Winter term by students who have a Fall term overall average of B+.

Students applying for an inter-faculty transfer into the Bachelor of Science programs offered at the School of Physical and Occupational Therapy should apply directly to the School of Physical and Occupational Therapy. Application forms are available from the School after January 5 of the year applying. The completed application form must be received by the School no later than March 31 of the entering year.

3 General Information

3.1 Language Policy

The language of instruction at McGill is English. Every student has a right to write term papers, examinations and theses in English or in French except in courses where knowledge of a language is one of the objectives of the course.

Entering students should be aware that most of the clinical affiliation placements undertaken in the province of Quebec, including those in Greater Montreal, require proficiency in both French and English.

It is recommended that students who lack proficiency in English or French avail themselves of the opportunity to take an intensive English or French as a second language course, prior to, or early in, their program of studies.

3.2 Vaccination and CPR Requirements

Students in all health care programs must comply with the Vaccination/Immunization Requirements on page 5.

Valid CPR certification level "C" is required prior to going into any of the clinical affiliation placements. Proof of valid certification must be presented no later than January 30th of the first year of the program to enable the student to enter the first clinical affiliation in March of that year. This certification must be maintained throughout the three years of the program.

3.3 Prizes, Awards and Loans

UNDERGRADUATE PRIZES AND AWARDS

CANADIAN PHYSIOTHERAPY ASSOCIATION AWARD, presented to the student with the highest standing throughout the B.Sc.(Phys. Ther.) program.

CANADIAN PHYSIOTHERAPY CARDIO-RESPIRATORY SOCIETY (CPCRS) STUDENT EXCELLENCE AWARD, presented to the graduating student who has demonstrated excellence in the area of cardio-respiratory physiotherapy.

CAROL RUTENBERG-SILVER MEMORIAL AWARD, established by the family in memory of Carol Rutenberg-Silver, a Physical Therapy graduate of 1958. Awarded annually to the student with the highest standing in the final year of the B.Sc.(Phys.Ther.) program.

CANADIAN ASSOCIATION OF OCCUPATIONAL THERAPISTS' AWARD, presented to the student with the highest standing throughout the B.Sc.(Occ.Ther.) program.

CLINICAL PRIZE OF EXCELLENCE, awarded by l'Ordre des physiothérapeutes du Québec to the student demonstrating exceptional overall performance in attaining the objectives of the clinical placements throughout the B.Sc.(Phys.Ther.) program.

HELEN M. GAULT AWARDS, presented to a graduating student in Occupational Therapy and a graduating student in Physical Therapy who have demonstrated the most outstanding qualities of leadership, scholarship and professionalism throughout their undergraduate program.

MCGILL ALUMNAE SOCIETY PRIZE, presented upon graduation to a distinguished student for excellence and high academic standing. Preference given to women students. Value: $150.

SANDRA PERLMAN MEMORIAL PRIZE, established in memory of Sandra Perlman, a graduate of the School of Physical and Occupational Therapy, P.T. class of 1958, and B.Sc.(Phys.Ther.) class of 1976 by her niece, Dr. Robyn Pugash. Awarded annually to the final year Physical Therapy student who, in the opinion of faculty, best exemplifies attributes desirable of a caring professional, these being compassion, empathy, concern for the needs of the patient and devotion to the profession. Value: $150.

UNDERGRADUATE SCHOLARSHIPS

CLIFFORD C.F. WONG SCHOLARSHIP

黃振輝獎學金

Established in 1989 by the late Clifford C.F. Wong, B.Arch. (1960) to recognize distinguished academic standing. Awarded by the School of Physical and Occupational Therapy to a continuing student having completed at least one year in the Bachelor of Science program in Physical or Occupational Therapy. Value: $1500.

WOMEN ASSOCIATES OF MCGILL SCHOLARSHIP, awarded on the basis of high academic standing to an undergraduate student having completed at least one year in the B.Sc. degree program in Physical or Occupational Therapy. Preference is given to women students. Value: $1,500.

SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY SCHOLARSHIPS FUND, established in 1992 by the University and by graduates and friends of the School to provide awards based on academic achievement to students in the top 5% of the School. Granted by the School of Physical and Occupational Therapy to equalize the value of awards to students of comparable standing. Awards range in value from $100 to the level of the major entrance scholarships, in increments of $100.

GRADUATE FELLOWSHIPS

JUDITH KORNBLUTH-GELFAND FELLOWSHIP, established by her husband and Dynamic Capital Corporation as a tribute to Judith Kornbluth-Gelfand (P.T., Class of 1958 and B.Sc. P.T., class of 1976), in recognition of her interest in children suffering from neurological and neuromuscular disorders. Awarded by the School of Physical and Occupational Therapy to an outstanding graduate student conducting research studies to improve the efficacy of physiotherapeutic rehabilitation with preference to pediatrics, neurological and neuromuscular disorders. Value: minimum of $2,000.

BARBARA ROSENTHAL PRIZE IN PHYSICAL AND OCCUPATIONAL THERAPY, established in 1992 as a tribute to Barbara Rosenthal's long-standing affiliation with the McGill School of Physical and Occupational Therapy and her devoted years of service to the practice of occupational therapy. Awarded to a full-time student in the Master's program in Rehabilitation Science with preference being given to an occupational therapist. The prize is given by the School of Physical and Occupational Therapy on the basis of high academic standing during the first year of the program. Value: minimum of $235.

A complete list of scholarships, bursaries, prizes and awards, and the regulations governing the various loan funds, are given in the *Undergraduate Scholarships and Awards Calendar* and in the Graduate Fellowships and Awards Section of the *Graduate and Postdoctoral Studies Calendar*. These Calendars are available on the Web at www.mcgill.ca/courses.

3.4 Licensing Regulations

Graduates from McGill may seek licensure around the world. Each country, province or state sets its own requirements for licensure which may necessitate examination, further course work and/or the TOEFL.

Certain provinces in Canada, states of the United States of America, and other countries require that those intending to practice occupational therapy or physical therapy within their borders comply with special provincial or state licensing regulations. Further information may be obtained from the offices of the associations listed under section 3.5 "Professional Organizations".

Graduates seeking licensure in the United States should be aware that recent reforms in licensing and immigration laws have led to new requirements for internationally educated health care professionals entering the country.

In order to practice occupational therapy or physical therapy in the province of Quebec, a permit must be obtained from the appropriate provincial regulatory body. Quebec law also requires that candidates seeking admission to the provincially-recognized Quebec regulatory bodies must possess a working knowledge of the French language, i.e., be able to communicate verbally and in writing in that language. For further information, refer to "Language Requirements for Professions" on page 6.

Occupational therapists practising in Canada (except Quebec and Manitoba) are required to pass a National Certification Examination after graduation. For information, write to the Canadian Association of Occupational Therapists (see below).

Physical therapists who graduated from 1993 onwards who wish to practice in provinces in Canada (other than Quebec) are required to pass a Physiotherapy National Examination. For confirmation, write to the Alliance of Physiotherapy Regulatory Boards.

3.5 Professional Organizations

Since 1995-96 all the clinical affiliation hours required to comply with the standards necessary for membership in both the national and provincial associations for each profession are included within the program.

Students registered in the program prior to 1995 were required to complete further clinical practice in accredited occupational or physical therapy departments.

This standard is compatible with the licensing requirements in provinces where legislation is in force.

Canadian National Offices

Canadian Association of Occupational Therapists
Carleton Technology Training Centre
Suite 3400, Carleton University
1125 Colonel By Drive, Ottawa, ON K1S 5R1
Telephone: (613) 523-CAOT(2268)
Toll Free: 1 (800) 434-CAOT(2268)
Fax: (613) 523-2552
Web site: www.caot.ca

Canadian Physiotherapy Association
Web site: www.physiotherapy.ca

(Toronto Office)
2345 Yonge Street, Suite 410
Toronto, ON M4P 2E5
Telephone: (416) 932-1888 Toll Free: 1 (800) 387-8679
Fax: (416) 932-9708
E-mail: information@physiotherapy.ca

(Ottawa Office)
1400 Blair Place, Suite 205
Ottawa, ON K1J 9B8
Telephone: (613) 564-5454 Fax: (613) 564-1577
Email: infoottawa@physiotherapy.ca

Alliance of Physiotherapy Regulatory Boards
1243 Islington Avenue, Suite 501
Etobicoke, ON M8X 1Y9
Telephone: (416) 234-8800 Fax: (416) 234-8820
Web site: www.alliancept.org

Quebec Provincial Offices

Ordre des ergothérapeutes du Québec
2021 avenue Union, bureau 920
Montréal, QC H3A 2S9
Telephone: (514) 844-5778 Fax: (514) 844-0478
Web site: www.oeq.org
E-mail: ergo@oeq.org

Ordre professionnel des physiothérapeutes du Québec
7101, rue Jean-Talon est, bureau 1120
Anjou, QC H1M 3N7
Telephone: (514) 351-2770 Toll Free: 1 (800) 361-2001
Fax: (514) 351-2658
Web site: www.oppq.qc.ca
E-mail: physio@oppq.qc.ca

International Offices

Please check Web sites of individual countries and states for specific licensing requirements.

3.6 Program Accreditation

The Physical Therapy Program is accredited through the Accreditation Council of Canadian Physiotherapy Academic Programs (ACCPAP).

The Occupational Therapy program is accredited by the Canadian Association of Occupational Therapists.

4 Student Evaluation and Promotion

4.1 Degree Requirements

Students in Occupational or Physical Therapy must complete a total of 105 course credits, successfully complete all the courses in the curriculum, and have a CGPA of at least 2.3 in all courses in the Physical Therapy or Occupational Therapy curriculum to obtain the degree of B.Sc.(Occ. Ther.) or the degree of B.Sc.(Phys.Ther.).

Due to the sequential nature of the programs The Occupational Therapy and Physical Therapy programs are full-time programs of study.

The Evaluation System is multi-faceted and under constant review by the School of Physical and Occupational Therapy. The School reserves the right to change rules and regulations at any time, although in general such changes will not come into effect in the middle of an academic year/promotion period. A specific protocol for longitudinal evaluation of professionalism is under development. For complete School regulations, reference should be made to the School of Physical and Occupational Therapy CD rom and student handbook and course guide which is updated annually, and can be found on the Web at www.medicine.mcgill.ca/spot.

For the purposes of evaluation, the three year curriculum is broken down into the following promotion periods:

Promotion Period 1 - U1- September to March
Promotion Period 2 - U1- March to end of July
Promotion Period 3 - U2 -September to April
Promotion Period 4 - U2- May to September
Promotion Period 5 - U3- September to November
Promotion Period 6 - U3- November to February
Promotion Period 7 - U3- February (2nd week) to April

4.2 STUDENT PROMOTIONS

Academic matters are the jurisdiction of Occupational Therapy Student Performance Review Committee (OTPRC) or the Physical Therapy Student Performance Review Committee (PTPRC). The Occupational Therapy or Physical Therapy Student Performance Review Committees review the academic record, professional conduct and general performance of students throughout the OT/PT programs. It exercises final authority to determine a student's competence and suitability for the practice of physical therapy or occupational therapy and, hence, makes final decisions on all matters relating to promotion and graduation.

No evaluation, examination mark etc. shall be considered final until passed by the OTPRC or the PTPRC.

When a student has failed one or more courses or has been found to have been engaged in unethical or inappropriate conduct, the OTPRC or the PTPRC will automatically review the student's entire academic record and general performance.

Academic offences such as plagiarism and cheating on examinations and unethical or inappropriate conduct are considered serious offences which could lead to dismissal from the program.

A student who engages in criminal activity and/or who is found guilty of having violated the criminal code will have his/her dossier referred to the OTPRC or the PTPRC; this may be considered evidence of unsuitability for the practice of occupational therapy or physical therapy and grounds for dismissal from the program.

The School has the right to dismiss, at any time, any student who is considered incompetent and/or unsuitable for the practice of occupational therapy or physical therapy.

4.3 Failure of Supplemental Examinations or Remedial Clinical Affiliations

A failure in a clinical affiliation or supplemental examination in Promotions periods I-VII will result in the student being required to repeat the Promotion period or be dismissed from the program as determined by the OTPRC or the PTPRC. **A failure in a remedial clinical affiliation or in any subsequent clinical affiliation course will result in the student being required to withdraw from the program.**

A student may not repeat more than two Promotion periods in the curriculum. Failure in any professional course (OCC1, PHTH, or POTH courses) during a repeat Promotion period will result in immediate dismissal from the program.

The results of all supplementals, remedial work or remedial clinical affiliation will be recorded in the official transcripts as supplemental examinations, and will be considered as such for purposes of promotion.

4.4 Academic Integrity

In submitting work in their courses, students should remember that plagiarism and cheating are considered to be extremely serious offences.

Students who have any doubt as to what might be considered "plagiarism" in preparing an essay or term paper should consult the instructor of the course to obtain appropriate guidelines. Students should also consult the academic integrity Website at www.mcgill.ca/integrity.

The possession or use of unauthorized materials in any test or examination constitutes cheating. Responses on multiple-choice examinations are normally checked by the exam security computer monitoring program. The program detects pairs of students with unusually similar answer patterns on multiple choice exams. Data generated by the exam security computer monitoring program can be used as admissible evidence either to initiate or corroborate an investigation or a charge of cheating under Section 16 of the Code of Student Conduct and Disciplinary Procedures.The Code of Student Conduct and Disciplinary Procedures includes sections on plagiarism and cheating. The Code is included in the *Handbook of Student Rights and Responsibilities.*

4.5 Academic Credit Transfer Agreement

In certain cases, credits may be granted by the School for courses taken at other universities. Approval by the Program Director is necessary and should be obtained in advance.

Students wishing to take advantage of this agreement should consult the Student Affairs Office for details, and are informed that this agreement is subject to the following conditions:

a) the other universities concerned may, at their discretion, refuse the registration of a student for any of its courses;
b) the obligation of the student to follow the curriculum laid down by McGill is not affected;
c) the student is responsible for ensuring that the McGill timetable permits these courses to be taken without conflict;
d) the universities concerned are not responsible for special arrangements in cases of examination or timetable conflicts;
e) marks earned at the host university will not appear on McGill transcripts or be included in McGill grade point averages;
f) scholarship holders should consult with the Scholarships Office concerning eligibility for continuation or renewal of their awards.

Students may take advantage of this agreement by completing an electronic form available on the Web at www.crepuq.qc.ca with full

instructions. This form permits the student to obtain the required authorizations.

4.6 Examinations

Instructors are not permitted to grant any special treatment regarding examinations to any student. Faculty requires all instructors to decline to discuss marks with students before their official publication.

4.6.1 Interim Class Tests and Mid-Term Examinations

Members of the teaching staff may give interim class tests if they consider them necessary. The class will be advised at the beginning of the course when they will occur with the mark allocation. Students will be informed of all course requirements by the end of the course change period. The timing of the class tests is at the discretion of the professor, but no written tests will be given during the last two weeks of the term, except where a pattern of continued evaluation has been established, in which case the total value of examinations given in this period shall comprise no more than 10% of the final mark.

Mid-term examinations for one term courses are given close to the middle of the term. In those courses that span the Fall and Winter terms, instructors who wish to give a mid-term examination in December, must schedule it in the formal examination period. Make-up examinations follow the same rules as for class tests.

4.6.2 Final Examinations

Final examinations must be held during the official examination period following the term in which the course is given, and shall be worth at least 25% of the overall mark. This holds true for written, oral and practical examinations. For oral examinations, verbal feedback may be given to the students regarding their performance, but no marks will be provided during the examination. Marks for final examinations are presented to the Occupational Therapy or Physical Therapy Student Promotion Review Committees. Following the Occupational Therapy or Physical Therapy Student Promotion Review Committees meetings, marks will be available on Minerva. In some courses there is no final examination; the standing in these courses is determined on the basis of term work and class tests.

4.6.3 Supplemental Examinations

Students who have failed an examination and who have been given permission to write a supplemental examination must avail themselves of this privilege at the time of the next supplemental period.

Written application to write a supplemental examination must be received at the Undergraduate Student Affairs Coordinator's Office at least 30 days before the examination period. The $35 supplemental exam fee is payable as soon as the application has been approved.

It should be noted that the supplemental result will not erase the failed grade originally obtained which was used in calculating the GPA. Both the original mark and the supplemental result will be calculated in the GPA and CGPA (i.e., the taking of a supplemental examination has the same effect on a student's GPA as does repeating the course).

For students in U1, supplemental exams for failed professional courses in the Fall Term which are prerequisite to Clinical Affiliation 1 (PHTH220 or OCC1220) will be given during the the month of February or during the U1 examination period in March. Supplemental examinations for other failed U1 Fall and Winter Term professional courses will normally be held during the month of March or the first two weeks of June following the Integration Block. Supplemental examinations for failed Fall Term campus courses will normally be held during the Spring supplemental period in April or May. Supplemental examinations for Winter Term campus courses including PHGY202 and ANAT 316 are written in the official supplemental period in August.

For students in U2 and U3, supplemental examinations for all failed Fall Term courses and for failed Winter term professional courses will normally be held at the end of the regular spring examination period during the month of May. Supplemental examinations for Winter Term campus courses are written in the official supplemental period in August.

4.6.4 Deferred Examinations

Students who, for serious reasons such as illness or family affliction, have not written one or more examinations, may receive the permission of the Program Director to defer the examination to the next deferred examination period. Students should be aware that deferred examinations are granted only for compelling reasons, which are verified and accepted by the Program Director. Supporting evidence is required such as an appropriate medical report from McGill Health Service. The Student Affairs Office and the Program Director must be informed by the student as soon as possible after the examination of the reason for his/her absence from the examination. If the request is approved, a grade of L will appear in place of a grade in such courses, followed by the grade obtained in the deferred examination after it has been written.

4.7 Credit System

All courses carry a credit rating. A total of 105 credits must be passed for a B.Sc. degree in Occupational Therapy or in Physical Therapy.

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

Grades	Grade Points	Numerical Scale of Marks
A	4.0	85 - 100%
A-	3.7	80 - 84%
B+	3.3	75 - 79%
B	3.0	70 - 74%
B-	2.7	65 - 69%
C+	2.3	60 - 64%
C	2.0	55 - 59%
D	1.0	50 - 54%
F (Fail)	0	0 - 49%

Letter grades are assigned grade points according to the table shown above. Standing will be determined on the basis of a grade point average (GPA) computed by dividing the sum of the course credit times the grade points by the total course GPA credits.

$$GPA = \frac{\Sigma \text{ (course credit x grade points)}}{\Sigma \text{ (GPA course credits)}}$$

The cumulative grade point average (CGPA) will be the grade point average calculated using the student's entire record at McGill at the same level. A failed course will continue to be used in the calculation of the CGPA even after the course is repeated and passed, or if a supplemental examination is taken.

OTHER LETTER GRADES

- **J** – unexcused absence (failed): the student is registered for a course but does not write the final examination or do other required work; calculated as a failure in the GPA and CGPA. (See note below.)
- **K** – incomplete; deadline extended for submission of work in a course.
- **KE or K*** – further extension granted.
- **KF** – failed to meet the extended deadline for submission of work in a course; counts as a failure in the GPA and CGPA.
- **KK** – completion requirement waived.
- **L** – deferred examination.
- **LE or L*** – permitted to defer examination for more than the normal period.
- **NR** – no grade reported by the instructor (recorded by the Registrar).
- **P** – pass; not included in GPA.
- **Q** – course continued in next term.

S – Satisfactory; equivalent to C or better in an elective course; not included in GPA. (See section 4.8 "Satisfactory / Unsatisfactory Option".)
U – Unsatisfactory; equivalent to D or F in an elective course; not included in GPA. (See section 4.8 "Satisfactory / Unsatisfactory Option".)
W – withdrew; a course dropped, with permission, after the change of course period; not included in GPA.
WF – withdrew failing; a course dropped, with special permission in exceptional case, after faculty deadline for withdrawal from course, the student's performance in the course at that stage being on the level of an F; not included in GPA.
WL – faculty permission to withdraw from a deferred examination.
NA or && – grade not yet available.
W-- or -- – no grade: student withdrew from the University.

Note re J grade: –Students may appeal the assignment of the grade of J, but circumstances such as apearing at the incorrect time for an examination would not normally be sufficient reason for this grade to be relaced by a deferral.

4.8 Satisfactory / Unsatisfactory Option

The University S/U grading option can be applied only to elective courses, not to required or complementary courses, or to professional courses with the designation of OCC1, PHTH, and POTH. It is, therefore, not normally available to students following the Physical Therapy and Occupational Therapy programs.

5 Occupational Therapy and Physical Therapy Programs

These programs are made up of 105 credits to be completed in three years over seven terms including a clinical affiliation of 1,000 hours. A clinical term will be completed during the summer preceding Year 3. The curriculum incorporates the use of academic and clinical teaching blocks throughout the programs:

The course credit weight appears in parentheses after the number.

5.1 Occupational Therapy Program

U1 Required Courses (32 credits)
Fall Term
ANAT315 (4) Regional Anatomy/Limbs and Back with Dissection
PHGY201 (3) Human Physiology: Control Systems
OCC1235 (3) Occupation as Therapy
POTH239 (2) Assessment in Rehabilitation 1
POTH248 (2) Communication/Professionalism
POTH260 (2) Lifespan
Winter Term
ANAT316 (2) Human Visceral Anatomy
PHGY202 (3) Human Physiology: Body Functions
OCC1236 (4) OT Practice 1: Musculoskeletal
OCC1240 (2) Assessment of Performance 1
POTH222 (3) Kinesiology
POTH250 (2) Health Care and Professionalism
OCC1220 (0) Clinical Affiliation 1

U2 Required Courses (37 credits)
Fall Term
ANAT321 (3) Circuitry of the Human Brain
POTH455 (3) Neurophysiology
OCC1335 (2) OT Practice 2 (Part 1)
OCC1337 (3) OT Practice 3
OCC1340 (2) Assessment of Performance 2
Winter Term
OCC1336 (4) OT Practice 2: Neurological Conditions
OCC1338 (3) OT Practice 4: Mental Health
OCC1339 (2) Strategies for Independent Living
OCC1341 (3) Assessment of Performance 3
Summer Term
OCC1320 (6) Clinical Affiliation 2
OCC1321 (6) Clinical Affiliation 3

U2 Complementary Courses (6 credits)
Two from courses offered by the Faculties of Arts and Science, as follows:
one 3-credit Sociology course, taken during the 3-year program (requirement of the Canadian Association of Occupational Therapists)
one 3-credit course in statistics, taken prior to graduation – except for students who have passed a CEGEP statistics course with a mark of 65% or more who must substitute another 3-credit Faculty of Arts or Science course.

U3 Required Courses (28 credits)
Fall Term
POTH401 (3) Research Methods
OCC1424 (2) Splinting and Orthotics
OCC1436 (3) OT Practice 5: Medical and Surgical
OCC1438 (3) Psychosocial Theories in OT
OCC1420 (3) Clinical Affiliation 4
OCC1437D1 (1.5) OT and Community Mental Health
Winter Term
OCC1437D2 (1.5) OT and Community Mental Health
OCC1440 (2) Pre and Vocational Rehabilitation
OCC1441 (2) Advanced Technology/Ergonomics
POTH445 (4) Administration/Management
OCC1422 (3) Clinical Affiliation 5

U3 Complementary Courses (2 credits)
One from a list of professional specialty courses offered by the School.

5.2 Physical Therapy Program

U1 Required Courses (32 credits)
Fall Term
ANAT315 (4) Regional Anatomy/Limbs and Back with Dissection
PHGY201 (3) Human Physiology: Control Systems
PHTH235 (3) Movement Science and Practice 1
POTH239 (2) Assessment in Rehabilitation 1
POTH248 (2) Communication/Professionalism
POTH260 (2) Lifespan
Winter Term
ANAT316 (2) Human Visceral Anatomy
PHGY202 (3) Human Physiology: Body Functions
PHTH236 (4) Movement 1: Musculoskeletal
PHTH241 (2) Assessment 2: Musculoskeletal
POTH222 (3) Kinesiology
POTH250 (2) Heath Care and Professionalism
PHTH220 (0) Clinical Affiliation 1

U2 Required Courses (33 credits)
Fall Term
ANAT321 (3) Circuitry of the Human Brain
POTH455 (3) Neurophysiology
PHTH337 (3) Movement 3: Neuromuscular
Winter Term
PHTH328 (2) Biophysical Agents
PHTH336 (3) Movement 2: Cardiorespiratory
PHTH338 (4) Movement 4: Neurological
PHTH340 (3) Exercise Physiology

Summer Term
PHTH320 (6) Clinical Affiliation 2
PHTH321 (6) Clinical Affiliation 3

U2 Complementary Courses (9 credits))
Three from courses offered by the Faculties of Arts and Science. One of these must be a 3-credit course in statistics, taken prior to graduation – except for students who have passed a CEGEP statistics course with a mark of 65% or more who must substitute another 3-credit Faculty of Arts or Science course.

U3 Required Courses (31 credits)
Fall Term
POTH401 (3) Research Methods
PHTH432 (3) Pain Management
PHTH433 (3) Coordinated Rehabilitation 1
PHTH420 (3) Clinical Affiliation 4
POTH446 (2) Current Topics: Rehabilitation
POTH447 (2) Specialized Area of Practice
Winter Term
PHTH421 (3) Clinical Affiliation 5
PHTH434 (3) Biomechanics
PHTH435 (3) Coordinated Rehabilitation
PHTH438 (2) Fitness/Injury Management
POTH445 (4) Administration/Management

6 Course Descriptions

Students preparing to register should consult the Web at www.mcgill.ca/minerva (click on Class Schedule) for the most up-to-date list of courses available; courses may have been added, rescheduled or cancelled after this Calendar went to press. Class Schedule lists courses by term and includes days, times, locations, and names of instructors.

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

Prior to September 2002 course numbers began with three-digit Teaching Unit Codes. The TU Codes used by the School were replaced as follows: OCC1 replaced 580, POTH replaced 582, PHTH replaced 581.

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

6.1 Description of Year 1 Courses for Occupational Therapy and Physical Therapy

6.1.1 Faculty of Science Courses

Note: All Faculty of Science courses have limited enrolment.

ANAT 315 ANATOMY/LIMBS AND BACK.(4) (Fall) (2 hours lectures, 4 hours laboratory) (Open to students in Physical and Occupational Therapy; and to Honours students in Anatomy and Cell Biology, with permission of instructor.) The regional human gross anatomy of the skeleton, joints, muscles and neurovascular structures of the limbs and back.

ANAT 316 HUMAN VISCERAL ANATOMY.(2) (Winter) (2 hour lecture, 2 hours laboratory) (Prerequisite: ANAT 315) (Open to students in Physical and Occupational Therapy, and to others by special permission) The gross anatomy of the various organ systems of the human body, with emphasis on those aspects of greatest relevance to physical and occupational therapists. Laboratories include studies of prepared specimens, use of the anatomical museum and audiovisual materials.

PHGY 201 HUMAN PHYSIOLOGY: CONTROL SYSTEMS. (3) (Fall) (3 hours lecture weekly) (Prerequisites: collegial courses in biology or anatomy, and in chemistry and physics; with CHEM 212 or equivalent, as a pre-/co-requisite) (For students in Physical and Occupational Therapy, Nursing, and others with permission of the course coordinator) (Not open to students who have taken PHGY 209) Physiology of body fluids, blood, nerve and muscle, peripheral nerves, central nervous system, special senses, autonomic nervous system, defense mechanisms.

PHGY 202 HUMAN PHYSIOLOGY: BODY FUNCTIONS.(3) (Winter) (3 hours lecture weekly) (Prerequisites: collegial courses in biology or anatomy and in chemistry and physics; with CHEM 212 or equivalent, as a pre-/co-requisite) (For students in Physical and Occupational Therapy, Nursing, Education, and others with permission of the course coordinator) (Not open to students who took 552-201 in 1976-77 or earlier, or PHGY 210) Physiology of the cardiovascular, respiratory, excretory, endocrine, and digestive systems; organic and energy metabolism; nutrition; exercise and environmental stress.

6.1.2 Joint Courses in Occupational Therapy and Physical Therapy Programs

POTH 222 KINESIOLOGY. (3) (15 hours/week lecture/seminar/ laboratory for 3 weeks.) Introduction to the analysis of normal and pathological human movement including anthropometrics, kinematics, muscle mechanics, instrumentation and computers.

POTH 248 COMMUNICATION / PROFESSIONALISM. (2) (2 hours/ week for 13 weeks.) This course will focus on communication and psychosocial issues in health, impairment, disability and handicap. Information systems and the concepts of evidence based-practice, self-directed and life long learning will be included.

POTH 250 HEALTH CARE AND PROFESSIONALISM. (2) (2 hours/ week for 9 weeks.) This course will describe the basic issues of professionalism, the world health environment and the Canadian and Quebec health care systems.

POTH 260 LIFESPAN. (2) (2 hours) The course will describe the sequence and unique changes associated with physical, cognitive, language and psychosocial development occurring from conception to death.

6.1.3 Occupational Therapy Courses

OCC1 220 CLINICAL AFFILIATION 1. (0) (6 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres; convalescent and home care facilities; specialized schools and community centres. The focus will be on the assessment and treatment of patients with musculoskeletal conditions.

OCC1 235 OCCUPATION AS THERAPY. (3) (8 hours lecture/ laboratory) A course covering the conceptual framework of occupational performance with practical applications to musculoskeletal conditions across the life span. The second part of the course will orient the student to assessments used by other team members.

OCC1 236 OT PRACTICE 1: MUSCULOSKELETAL. (4) (10 hours/ week for 13 weeks - split into 10 weeks and 3 weeks.) A lecture/ seminar/laboratory case-based course covering the planning and implementation of OT interventions for individuals of all ages with musculoskeletal conditions. The second part will focus on multidisciplinary client-centred rehabilitation.

POTH 239 ASSESSMENT IN REHABILITATION 1.(2) (4 hours lecture/ laboratory for 13 weeks.) A theoretical and practical course which includes principles of measurement, history taking and physical assessment of the patient.

OCC1 240 ASSESSMENT OF PERFORMANCE 1. (2) (1.5 hours lecture/ 2 hours lab for 10 weeks.) A lecture/seminar/laboratory course covering the conceptual framework of occupational performance with practical applications to musculoskeletal conditions across the life span. The second part of the course will orient the student to assessments used by other team members.

6.1.4 Physical Therapy Courses

PHTH 220 CLINICAL AFFILIATION 1. (0) (6 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres; convalescent and home care facilities; specialized schools and community centres. The focus will be on the assessment and treatment of patients with musculoskeletal conditions.

PHTH 235 MOVEMENT SCIENCE AND PRACTICE 1. (3) (8 hours lecture/laboratory.) Theory and practice of exercise as a therapeutic agent, including how to move effectively and to teach an exercise will be explored across the lifespan. These skills will be integrated with basic concepts of the physiological effects of other physical agents used to enhance movement.

PHTH 236 MOVEMENT 1: MUSCULOSKELETAL. (4) (10 hours/week for 13 weeks - split into 10 weeks and 3 weeks) A case-based course covering the planning and implementation of physical therapy interventions for individuals of all ages with musculoskeletal conditions. Appropriate electrotherapeutic modalities will be covered. The second part will focus on multidisciplinary client-centred rehabilitation.

PHTH 241 ASSESSMENT 2: MUSCULOSKELETAL. (2) (2 hours/week for 10 weeks) A lecture and practical course which focuses on the soft tissue diagnoses of musculoskeletal disorders.

POTH 239 ASSESSMENT IN REHABILITATION 1.(2) (4 hours lecture/ laboratory for 13 weeks.) A theoretical and practical course which includes principles of measurement, history taking and physical assessment of the patient.

6.2 Description of Year 2 Courses for Occupational Therapy and Physical Therapy Programs

6.2.1 Faculty of Science Course

Note: All Faculty of Science courses have limited enrolment.

ANAT 321 CIRCUITRY OF THE HUMAN BRAIN.(3) (Fall) (2 hour lectures, 2 hours laboratory/tutorial) (Prerequisite: at least one 3-credit university level course in biology or psychology)
This course explores the functional organization of the human brain and spinal cord. The course focuses on how neuronal systems are designed to subserve specific motor, sensory, and cognitive operations.

6.2.2 Joint Courses in Occupational Therapy and Physical Therapy Programs

POTH 455 NEUROPHYSIOLOGY. (3) (3 hours/week) A study of the neurophysiological principles of sensori-motor interaction as they relate to posture, motor control and cognition.

6.2.3 Occupational Therapy Courses

OCC1 320 CLINICAL AFFILIATION 2. (6) (6 weeks, full-time)

OCC1 321 CLINICAL AFFILIATION 3. (6) (6 weeks, full-time)
Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres; convalescent and home care facilities; specialized schools and community centres. The focus will be on the assessment and treatment of patients with neurological or psychological dysfunctions.

OCC1 335 OT PRACTICE 2 (PART 1). (2) (6 hours/week for 13 weeks.) A lecture, practical and case-based course covering neurological conditions across the lifespan. OT theory, principles of treatment and therapeutic use of activities for individuals with neurological dysfunctions will be included.

OCC1 336 OT PRACTICE 2: NEUROLOGICAL CONDITIONS. (4) (7 hours/week for 13 weeks.) A lecture, practical and case based course covering neurological conditions across the lifespan. OT theory, principles of treatment and therapeutic use of activities for individuals with neurological dysfunctions will be included.

OCC1 337 OT PRACTICE 3. (3) (4 hours lecture/ week for 13 weeks.) A lecture, practical and case-based course covering psychiatric conditions across the lifespan. OT theory, principles of treatment and therapeutic use of self and activities will be applied for individuals or groups.

OCC1 338 OT PRACTICE 4: MENTAL HEALTH. (3) (6 hours/week for 13 weeks) A lecture and small group course to include the theories of group dynamics and practical applications in the practice of occupational therapy as well as the theory projection and the therapeutic use of projective media for treating individuals or groups across the life span.

OCC1 339 STRATEGIES FOR INDEPENDENT LIVING. (2) (3 hours/ week lecture/laboratory for 13 weeks.) This course will focus on interventions including adaptive technology and environmental adjustments to maximize independent living in the home and community.

OCC1 340 ASSESSMENT OF PERFORMANCE 2. (2) (4 hours/week for 13 weeks) A theoretical and practical course to cover assessment and informed decision making in OT practice, as well as the assessment of psychosocial, neuromotor and perceptual/cognitive performance across the lifespan.

OCC1 341 ASSESSMENT OF PERFORMANCE 3. (3) (4 hours/week for 13 weeks) A theoretical and practical course to cover specialized assessment of psychological performance, social interactions, activities of daily living and the environment. Computerized assessment will be utilized.

6.2.4 Physical Therapy Courses

PHTH 320 CLINICAL AFFILIATION 2. (6) (6 weeks, full-time)

PHTH 321 CLINICAL AFFILIATION 3. (6) (6 weeks, full-time)

PHTH 328 BIOPHYSICAL AGENTS. (2) (2 hours lecture/2 hours laboratory/tutorial) A lecture, practical and case-based course covering the biophysical principles and the neurophysiological bases for the use of thermal agents and therapeutic electricity in the management of and the clinical decision-making in musculoskeletal and neurological conditions. The use of electrotherapeutic interventions in physical therapy will be explored on a case-by-case basis.

PHTH 336 MOVEMENT 2: CARDIORESPIRATORY. (3) (6 hours/week) A lecture, practical and case-based course consisting of pathology, clinical assessments and methods of physical treatment and rehabilitation of patients with cardio-respiratory dysfunction.

PHTH 337 MOVEMENT 3: NEUROMUSCULAR. (3) (9 hours/week) A theoretical and practical course which covers clinical assessments and applications of neurological principles to the management of clients with neurological dysfunction across the life span. The emphasis will be on motor control. Electrotherapeutic modalities will be incorporated.

PHTH 338 MOVEMENT 4: NEUROLOGICAL. (4) (9 hours/week) A theoretical and practical course which covers clinicial assessements and applications of neurological principles to the management of clients with neurological dysfunction across the life span. The emphasis will be on motor control. Electrotherapeutic modalities will be incorporated.

PHTH 340 EXERCISE PHYSIOLOGY. (3) (3 hours/week) A lecture course to include the effects of exercise and training of neuromuscular, cardiovascular and respiratory systems in health and disease.

6.3 Description of Year 3 Courses for Occupational Therapy and Physical Therapy Programs

6.3.1 Joint Courses in Occupational Therapy and Physical Therapy Programs

POTH 401 RESEARCH METHODS. (3) (4.5 hours/week for 9 weeks) A lecture and seminar course on the principles of and methods used in clinical and rehabilitation science research.

POTH 445 ADMINISTRATION/MANAGEMENT. (4) (7 hours/week for 8 weeks) A lecture and seminar course to include Health Care administration, marketing and the development of leadership and entrepreneurial skills.

6.3.2 Occupational Therapy Courses

OCC1 420 CLINICAL AFFILIATION 4. (3) (5 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres and in convalescent, chronic and home care facilities, specialized schools, clinics and community centres.

OCC1 422 CLINICAL AFFILIATION 5. (3) (5 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Fac-

ulty of Medicine and other affiliated centres and in convalescent, chronic and home care facilities, specialized schools, clinics and community centres.

OCC1 424 SPLINTING AND ORTHOTICS. (2) (4.5 hours/week for 9 weeks) A course covering knowledge of therapeutic techniques and biomechanical principles involved in the application and fabrication of static and dynamic splints.

OCC1 436 OT PRACTICE 5: MEDICAL AND SURGICAL. (3) (4.5 hours/ week for 9 weeks) A lecture, practical and case-based course covering medical and surgical conditions across the lifespan. OT theory, principles of treatment and therapeutic use of activities in the OT treatment of these conditions will be discussed.

OCC1 437D1 (1.5), OCC1 437D2 (1.5) OT AND COMMUNITY MENTAL HEALTH. (2.5 hours/week for 9 weeks) (Students must register for both OCC1 437D1 and OCC1 437D2.) (No credit will be given for this course unless both OCC1 437D1 and OCC1 437D2 are successfully completed in consecutive terms) A lecture, case-based and seminar course which examines the preventive and educational role of the OT in mental health as applied to sociocultural issues and their relationship to violence and despair within the community.

OCC1 438 PSYCHOSOCIAL THEORIES IN OT. (3) (4.5 hours/week for 9 weeks) A lecture, case-based course to examine current theoretical frames of reference in OT in the field of psychiatry and their implementation into OT treatment. Particular emphais will be placed on the long-term client.

OCC1 440 PRE AND VOCATIONAL REHABILITATION. (2) (3.5 hours/ week for 8 weeks) An introduction to work theory and its application to prevocational and vocational assessment and training in rehabilitation. The application of ergonomics to rehabilitation will be discussed in a case-based context.

OCC1 441 ADVANCED TECHNOLOGY/ERGONOMICS. (2) (3.5 hours/ week for 8 weeks) Approaches to occupational performance enhancement through matching technology to individual human needs and service delivery will be dealt with in a lecture/lab/seminar forma.

6.3.3 Physical Therapy Courses

PHTH 420 CLINICAL AFFILIATION 4. (3) (5 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres and in convalescent, chronic and home care facilities, specialized schools, clinics and community centres.

PHTH 421 CLINICAL AFFILIATION 5. (3) (5 weeks, full-time) Supervised clinical practice provided in the teaching hospitals of the Faculty of Medicine and other affiliated centres and in convalescent, chronic and home care facilities, specialized schools, clinics and community centres.

PHTH 432 PAIN MANAGEMENT. (3) (4.5 hours/week for 9 weeks) A case-based course to include the assessment and management of acute and chronic pain. Appropriate electrotherapeutic modalities will be included.

PHTH 433 COORDINATED REHABILITATION 1. (3) (4.5 hours/week for 9 weeks) A theme-based study of the interdisciplinary approach to rehabilitation. Themes will include health care issues across the lifespan, special problems of adolescents and the aged as well as maternal and child health. The focus is on long-term management.

PHTH 434 BIOMECHANICS. (3) (4.5 hours/week for 9 weeks) A lecture-based course covering the application of physics, engineering and technological principles of the study of the human body in health or disease at the behavioural and environmental level. The focus of this course will be on how these principles relate to clinical evaluation and rehabilitation.

PHTH 435 COORDINATED REHABILITATION. (3) (5 hours/week for 8 weeks) A theme-based study of selected topics and current and developing issues in rehabilitation such as AIDS, necrotizing myofascitis, oncology, burn management and industrial health. The focus is on long-term management.

PHTH 438 FITNESS/INJURY MANAGEMENT. (2) (4 hours/week for 8 weeks) The focus of this lecture, seminar and practical course is on fitness and injury prevention as a means of promoting an active lifestyle across the lifespan.

POTH 446 CURRENT TOPICS: REHABILITATION.(2) (3 hours/ week for 8 weeks) A professional elective course given in a lecture/seminar/practical format as appropriate to a specialized rehabilitation topic. The student selects one theme from a list of current topic themes to be offered in that semester. The topic themes may change from year to year based on current and developing issues in rehabilitation.

POTH 447 SPECIALIZED AREA OF PRACTICE.(2) (3 hours/week for 8 weeks) A professional elective course given in a lecture/seminar/practical format as appropriate to a specialized area of practice. The student selects one specialized area of practice from a list of areas of practice specializations that are being offered in that semester. The specialities may change from year to year based on current and developing issues in rehabilitation.

6.4 Professional Specialty Courses – Descriptions

The following courses are open to senior students in the School of Physical and Occupational Therapy by permission of the Directors of the undergraduate programs and may be subject to limited enrolment. These courses may be taken as part of the undergraduate program in Occupational Therapy or Physical Therapy.

▭ Denotes limited enrolment.

▭ **OCC1 442 ENVIRONMENTS FOR THE DISABLED.** (2) (3.5 hours/week for 8 weeks) (Open to students in OT and Architecture. Prerequisite: ARCH 303 for Architecture students; OCC1 339 for Occupational Therapy students) Students work in multi-disciplinary teams under the supervision of faculty and visitors on selected problems encountered in the design and construction of environments for the physical disabled.

▭ **POTH 402 ADVANCED RHEUMATOLOGY.** (2) (3.5 hours per week for 8 weeks) (Prerequisite: Basic knowledge of the rheumatic diseases and clinical experience in the treatment of physical disabilities.) A seminar course emphasizing a multidisciplinary approach to the evaluation and total care of patients with rheumatic diseases. This course may be offered in the Fall or Winter term.

▭ **POTH 403 PAEDIATRICS.** (2) (3.5 hours/week) A lecture and seminar course examining the development, assessment and management of children within a variety of handicapping conditions. This course may be offered in the Fall or Winter term.

▭ **POTH 410 CHILD AND ADOLESCENT PSYCHIATRY.** (2) (3.5 hours /week) A specialized course in psychiatric occupational therapy to include an orientation to children and adolescents with psychiatric disorders as well as the evaluation and remediation techniques used in the occupational therapy treatment of these children.

▭ **POTH 441 RESEARCH ELECTIVE.** (2) The students are introduced to the methods and procedures of the specific area of research of the faculty supervisor. The student and faculty supervisor determine the objectives, requirements, time span (usually one term), scheduling, deadlines and mode of evaluation of the project.

POTH 446 CURRENT TOPICS: REHABILITATION. (2) (3 hours/ week for 8 weeks) A professional elective course given in a lecture/seminar/practical format as appropriate to a specialized rehabilitation topic. The student selects one theme from a list of current topic themes to be offered in that semester. The topic themes may change from year to year based on current and developing issues in rehabilitation.

POTH 447 SPECIALIZED AREA OF PRACTICE. (2) (3 hours/week for 8 weeks) A professional elective course given in a lecture/seminar/practical format as appropriate to a specialized area of practice. The student selects one specialized area of practice from a list of

areas of practice specializations that are being offered in that semester. The specialities may change from year to year based on current and developing issues in rehabilitation.

7 Graduate Programs

Master of Science (non-Thesis) in Rehabilitation Science
The program requires three terms of full-time residence study and can usually be completed within three to four terms. It is designed for graduates who hold a B.Sc. (or equivalent) in Physical or Occupational Therapy or related health professions. Two years of clinical experience is recommended. The program trains health professionals to become consumers of research in order to promote evidence-based practice in rehabilitation science. The curriculum is made up of both required and elective courses and may also include a research project.

Master of Science in Rehabilitation Science
The full curriculum consists of approximately two years of study for graduates who hold a B.Sc. degree in one of the medical rehabilitation disciplines or a related field. The program consists of required and elective course work, a research proposal and a research thesis.

Doctorate in Rehabilitation Science
The Ph.D. program curriculum consists of three to four years of study, on average, for graduates with Master's level training in one of the medical rehabilitation disciplines or a related field. The program consists of required and elective course work, a comprehensive written examination, a research proposal and a doctoral thesis.

7.1 Admission Requirements

Master of Science in Rehabilitation Science
1. A B.Sc. degree or equivalent in physical or occupational therapy or related fields from a university of recognized reputation.
2. Evidence of a high academic achievement equivalent to a B standing, or a McGill CGPA of 3.0 (70-74%).
3. Prerequisite courses may be required in statistics, anatomy, physiology, psychology, sociology, neurophysiology or other areas, depending on the student's anticipated specialization.
4. 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. (Test of English as a Foreign Language) with a minimum score of 250 on the computer-based test (School requirement), or the International English Language Testing System (IELTS) with a minimum overall band score of 7.0.
5. The GRE Test is mandatory for the following applicants: those who do not have a B.Sc. or equivalent from a Canadian university; those who have been out of university for 5 years or more. Only the General Test is mandatory. For consideration, students must obtain a minimum score of 550 in verbal and quantitative categories and a score of 3.5 to 4 in analytical writing.
   For enquiries about Graduate Records Examination, please contact GRE - Educational Testing Service, Princeton, NJ 08540, (609) 683-2002, www.gre.org.
   Applicants are responsible for ensuring that their scores are sent to the School of Physical and Occupational Therapy, at the following address: 3654 Promenade Sir-William-Osler, Montreal, QC H3G 1Y5

Master of Science (non-Thesis) in Rehabilitation Science
1. to 5. as above, plus
6. Two years of clinical experience is recommended.

Doctorate in Rehabilitation Science
1. An M.Sc. degree in a rehabilitation-related discipline from a university of recognized reputation.
2. Evidence of a high academic achievement equivalent to a B^+ standing, or a McGill CGPA of 3.3 (75-79%) is required.
3. Proof of proficiency in English.
4. GRE Test with a minimum score of 600 in verbal and quantitative categories and a score of 3.5 to 4 in analytical writing.The test is mandatory for the following applicants: those who do not have a B.Sc., M.Sc. or equivalent from a Canadian university; those who have been out of university for 5 years or more.

If a graduate student accepted into the M.Sc. program demonstrates superior performance in the first year, the Graduate Committee, in consultation with the thesis supervisor, may recommend waiving the M.Sc. thesis requirement, and allow the student to proceed directly to the Ph.D. program.

7.2 Application Procedures

Application forms for admission to graduate studies for the degree of M.Sc., M.Sc.(non-thesis), or Ph.D. in Rehabilitation Science may be requested directly from the School. An on-line application is available at www.mcgill.ca/applying/graduate.

Applications will be considered upon receipt of:
1. the completed application form (on-line or paper),
2. $60 application fee,
3. a complete curriculum vitae,
4. a statement of purpose,
5. two copies of official transcripts,
6. two letters of reference,
7. test results (GRE, TOEFL), if required.

Deadlines:
Canadian applicants – April 1
International applicants – March 1

Documents are to be mailed directly to the Director, Graduate Program, School of Physical and Occupational Therapy

7.3 Program Requirements

Elective Courses (for all programs)
In addition to courses offered by the School of Physical and Occupational Therapy, students may choose courses given in other units. A complete list of suitable electives can be obtained from the Graduate Program Coordinator.

Master of Science in Rehabilitation Science (45credits)
The program requires a minimum of three terms of full-time residence study. It is not uncommon for a student to take two or more years to complete the degree.

Required Courses (10 credits)

POTH610	(3)	Research Methodology
POTH614	(3)	Selected Topics in Rehabilitation Science
POTH616D1	(.5)	Seminars in Rehabilitation Science
POTH616D2	(.5)	Seminars in Rehabilitation Science
POTH631	(3)	Research Proposal

A research proposal is to be submitted in written form and defended in front of a supervisory committee. Research proposals should be completed by the beginning of the second full-time year.

Complementary Course (3 credits)
One 3-credit graduate level course in statistics may be required if not already completed in a prior degree.

Elective Courses (3 - 6 credits)
Courses which pertain to the student's area of specialization.

Thesis Component – Required (29 credits)

POTH696	(2)	Thesis Research
POTH697	(6)	Thesis Research 1
POTH698	(9)	Thesis Research 2
POTH699	(12)	Thesis Research 3

The student carries out a research study in an approved subject area under the guidance of an internal supervisor (from within the School) or an external supervisor (from outside the School). In the case of an external supervisor, an internal co-supervisor must be appointed.

All four of these courses must be registered for within the first threeterms of full-time study. The course POTH699 is carried as IP "in progress" until completion of thesis.

Master of Science in Rehabilitation Science (non-thesis) (45credits)

This program has two options. In the first option, students complete 45 credits of required and complementary course work. In the second option, students complete 30 credits of required and complementary courses plus a 15-credit research project in their area of interest. The program normally takes 3 to 4 terms when done on a full -time basis.

Required Courses (9 credits)

POTH602 (3) Educational Methodology
POTH610 (3) Research Methodology
POTH617 (0) Rehabilitation Seminars
(3) Statistics at the 500 level or higher

Complementary Courses (36 credits)
Group A, 21 credits:
chosen from the following courses offered by the School or other campus courses at the 500 and 600 levels with permission of the Associate Director.

POTH508 (3) Plasticity in Rehabilitation
POTH603 (3) Directed Practicum
POTH604 (3) Current Topics in Pediatrics
POTH614 (3) Selected Topics in Rehabilitation Science
POTH618 (3) Topics in Rehabilitiation
POTH620 (3) Measurement: Rehabilitation 1
POTH622 (3) Pathokinesiology
POTH630 (3) Measurement: Rehabilitation 2

Group B, 15 credits, one of the following options:
Option 1, Directed Project:
POTH661 (7) Research Project 1
POTH662 (8) Research Project 2
Option 2:
no directed project, 5 additional courses

Doctorate in Rehabilitation Science
Doctoral students are required to pursue at least three years of full-time residence study.

The curriculum is divided as follows:

Required Courses (12 credits)

POTH610* (3) Research Methodology
POTH614* (3) Selected Topics in Rehabilitation Science
POTH620 (3) Measurement in Rehabilitation 1
POTH630 (3) Measurement in Rehabilitation 2

Of the four required courses, at least two* will already have been completed by students with an M.Sc. in Rehabilitation Science from McGill.

Complementary Course (6 credits)
one of:

POTH602 (3) Educational Methodology
EDPH689 (3) Teaching & Learning in Higher Education

One 3-credit graduate-level course in statistics may be required if not already completed in a prior degree.

Elective Courses (3-6 credits)
Courses which pertain to the student's area of specialization; chosen by the student in consultation with his/her supervisor and upon approval of the Associate Director of the Graduate Program.

Comprehensive Examination
POTH701 Ph.D. Comprehensive Examination

The student must successfully pass a written comprehensive examination by the end of the first academic year. The format is three questions to be answered in essay style over a five-day period. An additional requirement may include an oral component.

Research Proposal
A research proposal is to be submitted in written form and defended in front of a supervisory committee. Research proposals should be completed during the second full-time year, following the comprehensive examination.

Thesis Component - Required
The student carries out a research study in an approved subject area under the guidance of an internal supervisor (from within the School) or an external supervisor (from outside the School). In the case of an external supervisor, an internal co-supervisor must be appointed.

7.4 Courses

Students preparing to register should consult the Web at www.mcgill.ca/minerva (click on Class Schedule) for the most up-to-date list of courses available; courses may have been added, rescheduled or cancelled after this Calendar went to press. Class Schedule lists courses by term and includes days, times, locations, and names of instructors.

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

Denotes courses not offered in 2004-05.

POTH 508 PLASTICITY IN REHABILITATION. (3) (Prerequisite: POTH 455 or equivalent.) A seminar course designed to provide students with a review of current research on plasticity in the central and peripheral nervous systems. Particular emphasis is placed on the mechanisms involved in the recovery of function after injury.

POTH 602 EDUCATIONAL METHODOLOGY. (3) (Course equivalent: EDPH 689) Process of learning, methods of communication and teaching strategies for classrooms and clinical settings.

POTH 603 DIRECTED PRACTICUM. (3) (Restricted to on-campus students only.) A tutorial with directed practical experience in a clinical setting related to the student's clinical specialization, including curriculum development, and emphasizing current thought in rehabilitation.

POTH 604 CURRENT TOPICS IN PEDIATRICS. (3) (Prerequisite: POTH 260, or permission of instructors.) This course will provide an overview of current research in pediatrics.

POTH 610 RESEARCH METHODOLOGY. (3) (Corequisite: PSYC 305 or EPIB 607, or EDPE 675 and EDPE 676) An advanced lecture and seminar course. The philosophy of scientific inquiry, principles of research design, and application of statistical techniques are discussed with special consideration given to research studies in health care and rehabilitation.

POTH 614 SELECTED TOPICS IN REHABILITATION SCIENCE. (3) (Restricted to on-campus students only.) A weekly lecture and seminar course taught by staff, designed to provide an overview of current research issues in rehabilitation.

POTH 616 SEMINARS IN REHABILITATION SCIENCE. (1) A weekly seminar course given by staff and invited speakers in different areas of research related to rehabilitation science. Students are expected to participate by reading pertinent literature prior to seminars and asking questions at each seminar. Attendance is compulsory, and the course is graded pass/fail based on participation.

POTH 617 REHABILITATION SEMINARS 1. (0) A weekly seminar course given by staff and invited speakers in different areas of research related to rehabilitation science. Students are expected to participate by reading pertinent literature prior to seminars and asking questions at each seminar. Attendance is compulsory, and the course is graded pass/fail based on participation.

POTH 618 TOPICS IN REHABILITATION. (3) This is a directed reading course on a topic in rehabilitation science. The student will acquire extensive knowledge in the topic of interest and understand the strengths and limitations of the current body of work in the area.

POTH 619 REHABILITATION SEMINARS 2. (0) (Restriction: During one academic year, students may not register for POTH 619 in the same term as POTH 616 or POTH 617.) Seminar course given by staff and invited speakers covering different areas of research related to rehabilitiation science.

POTH 620 MEASUREMENT: REHABILITATION 1. (3) (Prerequisite: POTH 222 and permission of instructor.) Theoretical and practical basis for utilization of electronic equipment for quantitative measurement in rehabilitation research. Ambulatory assistive devices, electronic plates and instrumentation to assess normal and pathological human movement will be used to demonstrate the application of theory and techniques for quantitative analysis of human performance. Recording, reduction and analysis of electromyographic, kinetic and kinematic data included.

POTH 622 PATHOKINESIOLOGY. (3) (Prerequisite: POTH 620) Principles and techniques of quantitative biomechanics to assess abnormal human motor performance. Topics include the anthropometrics, kinematics, and kinetics of altered movement patterns that result from pathology of the nervous and musculoskeletal systems. Practical, experimental and clinical applications will be stressed.

POTH 630 MEASUREMENT: REHABILITATION 2. (3) (Prerequisite: EPIB 607 or PSYC 305 or equivalent.) Theoretical and practical basis for measurement in rehabilitation research. Introduction to measurement theory, scale development and related statistics, approaches and instruments used to assess outcomes in patients with musculoskeletal, neurological, cardiovascular, respiratory, psychiatric or psychologic conditions.

POTH 631 RESEARCH PROPOSAL. (3) The course covers issues involved in the development of a research protocol. The presentation of a written thesis proposal is required by the end of the course. This document will serve as the basis for an oral presentation to the student's Supervisory Committee which will also review the written proposal.

POTH 661 RESEARCH PROJECT 1. (7) (Campus students only.)

POTH 662 RESEARCH PROJECT 2. (8)

POTH 696 THESIS RESEARCH. (2)

POTH 697 THESIS RESEARCH 1. (6)

POTH 697D1 (3), POTH 697D2 (3) THESIS RESEARCH 1. (Students must register for both POTH 697D1 and POTH 697D2) (No credit will be given for this course unless both POTH 697D1 and POTH 697D2 are successfully completed in consecutive terms) (POTH 697D1 and POTH 697D2 together are equivalent to POTH 697)

POTH 698 THESIS RESEARCH 2. (9)

POTH 698D1 (4.5), POTH 698D2 (4.5) THESIS RESEARCH 2. (Students must register for both POTH 698D1 and POTH 698D2) (No credit will be given for this course unless both POTH 698D1 and POTH 698D2 are successfully completed in consecutive terms) (POTH 698D1 and POTH 698D2 together are equivalent to POTH 698)

POTH 699 THESIS RESEARCH 3. (12)

POTH 699D1 (6), POTH 699D2 (6) THESIS RESEARCH 3. (Students must register for both POTH 699D1 and POTH 699D2) (No credit will be given for this course unless both POTH 699D1 and POTH 699D2 are successfully completed in consecutive terms) (POTH 699D1 and POTH 699D2 together are equivalent to POTH 699)

POTH 701 PH.D. COMPREHENSIVE. (0)

Table of Contents

1 The School

1.1 Location

School of Dietetics and Human Nutrition
Room MS2-039
Macdonald Stewart Building
Macdonald Campus
21,111 Lakeshore Road
Ste-Anne-de-Bellevue, QC H9X 3V9
Canada
Telephone: (514) 398-7842
E-mail: dietstage@macdonald.mcgill.ca
Web site: www.mcgill.ca/dietetics

1.2 Administrative Officers

Deborah J.I. Buszard; B.Sc.(Bath), Ph.D.(Lond.) **Dean, Faculty of Agricultural & Environmental Sciences and Associate Vice-Principal (Macdonald Campus)**

William H. Hendershot; B.Sc.(Tor.), M.Sc.(McG.), Ph.D.(U.B.C.) **Associate Dean (Academic)**

J. David Lewis; B.Sc., M.Sc., Ph.D.(Mem.) **Associate Dean (Student Affairs)**

Marcel J. Couture; B.Sc.(Agr.)(McG.), M.Sc.(Guelph) **Associate Dean (Community Relations)**

Diane E. Mather; B.Sc.(Agr.)(McG.), M.Sc., Ph.D.(Guelph) **Associate Dean (Research)**

Kristine G. Koski; B.S., M.S.(Wash) Ph.D.(Calif.,Davis) **Director, School of Dietetics and HumanNutrition**

Linda Wykes; B.Sc., M.Sc., Ph.D.(Tor.)(William Dawson Scholar) **Associate Director, School of Dietetics and Human Nutrition**

1.3 Academic Staff

Emeritus Professor
Helen R. Neilson; M.B.E., B.H.S., M.Sc.(McG.), P.Dt.

Professors
Timothy A. Johns; B.Sc.(McM.), M.Sc.(U.B.C.), Ph.D.(Mich.)
Peter J.H. Jones; B.Sc., M.Sc.(U.B.C.), Ph.D.(Tor.)
Harriet V. Kuhnlein; B.S.(Penn. St.), M.S.(Oregon), Ph.D.(Calif.Berkeley)

Associate Professors
Laurie H.M. Chan; B.Sc., M.Phil.(Hong Kong), Ph.D.(London) *(NSERC Northern Research Chair)*
Grace M. Egeland; B.A.(Luther), Ph.D.(Pittsburg) *(Canada Research Chair)*
Katherine Gray-Donald; B.Sc., Ph.D.(McG.)
Kristine G. Koski; B.S., M.S.(Wash) Ph.D.(Calif.,Davis)
Stan Kubow; B.Sc.(McG.), M.Sc.(Tor.), Ph.D.(Guelph)
Louise Thibault; B.Sc., M.Sc., Ph.D.(Laval)
Linda Wykes; B.Sc., M.Sc., Ph.D.(Tor.)*(William Dawson Scholar)*

Lecturers
Lynda Fraser; B.A., M.Ed.(Dal.) (part-time)
Linda Jacobs Starkey; B.Sc.(H.Ec.)(Mt.St.Vin.), M.Sc., Ph.D.(McG.), RD, FDC
Melanie Journaoud; B. Sc.(Sherb),B.Sc.(Nutr Sci) M.Sc.(McG.)
Sandy Phillips; B.A.(Queen's), B.Sc.(F.Sc.)(McG.), M.Sc.(McG.)
Hugues Plourde; B.Sc.(Nutr.Sc.)(McG.), M.Sc.(Nutri.)(Mtrl.)
Heidi Ritter; B.Sc.(Nutr.Sc.), M.Sc.(McG.)
Maureen Rose; B.Sc.(F.Sc.), M.Ed., Ph.D.(McG.)
Joane Routhier; B.Sc.(F.Sc.)(McG.)
Donna Schafer; B.Sc., M.Sc.(Nutr.Sc.)(McG.)

Associate Members
Louis Beaumier; M.D., FRCPC *(Medicine)*
Franco Carli; M.D., FRCA *(Medicine)*
Katherine Cianflone; Ph.D. *(Medicine)*
Rejeanne Gougeon; Ph.D. *(Medicine)*
L. John Hoffer; Ph.D. *(Medicine)*
Selim Kermasha; Ph.D. *(Food Science)*
Errol Marliss; M.D. *(Medicine)*
Marilyn Scott; Ph.D. *(Parasitology)*
Thomas Schricker, M.D., Ph.D. (Medicine)
Jean-François Yale; M.D. *(Medicine)*
Simon N. Young; Ph.D. *(Medicine)*

Adjunct Professors
Kevin A. Cockell; Jeffrey S. Cohn; Mary R. L'Abbé

1.4 General Information

The School of Dietetics and Human Nutrition is part of the Faculty of Agricultural and Environmental Sciences which is located on the Macdonald Campus of McGill University. The Macdonald Campus is in Ste-Anne-de-Bellevue at the western end of the island of Montreal, 32 kilometres west of the city of Montreal and can be reached by city bus and train service.

The School offers a B.Sc.(Nutr.Sc.) through programs in dietetics and nutrition. Professional Practice experiences in the dietetics major are provided in the McGill teaching hospitals and in a wide variety of health, education, business, government and community agencies. The dietetics major leads to membership in professional dietetics associations and eligiblity for professional registration.

Health and well-being of individuals in relation to food choices and physiological status prevails as the unifying theme of the programs in the School of Dietetics and Human Nutrition. The availability of food, normal metabolism and clinical nutrition, community nutrition at the local and international level, the evaluation of nutritional products and their use in nutrition, and the communication of information about food and health form the core of academic programs.

Laboratory and lecture rooms are well supplied with modern and efficient teaching facilities, while the reference section of the Macdonald Campus Library and the research laboratories are equipped to permit the vigorous investigation of problems at both the undergraduate and postgraduate level.

2 Programs and Admission Information

2.1 Degrees Offered

Bachelor of Science in Nutritional Sciences – B.Sc.(Nutr.Sc.)
Two undergraduate degree programs are offered by the School. The Dietetics major leads to professional qualification. The Nutrition major offers four study options: Nutritional Biochemistry, Food Function and Safety, Global Nutrition, or Sports Nutrition.

M.Sc. and Ph.D.
Graduate study is also offered at both the Master's and Doctoral levels. For further information, contact the School or refer to the *Graduate and Postdoctoral Studies Calendar.*

2.2 Application

The academic year at McGill is made up of two sessions, the fall/winter or regular session, and the summer session. These are subdivided into the fall term (September to December), the winter term (January to April) and the four months of the summer session (May, June, July, and August). While most students enter in September, it is possible to be considered for admission to most of the Agricultural and Environmental Studies undergraduate programs in January. Please note: entry at the Freshman Program level is **not** available in January.

The deadlines for submission of applications are: January 15 (applicants studying outside of Canada), February 1 (applicants from Canadian high schools outside of Quebec), March 1 (all other applicants). All applications must be accompanied by a $60 non-refundable fee, in Canadian or U.S. funds only, payable by certified cheque, money order or credit card. McGill does not offer application fee waivers.

Application to the School of Dietetics and Human Nutrition can be made using the McGill on-line application available on the Web, www.mcgill.ca/applying. Those without access to the Web may obtain the application kit, by e-mailing, writing, or telephoning the Student Affairs Office, Macdonald Campus, 21,111 Lakeshore Road, Ste-Anne-de-Bellevue, QC, H9X3V9. Telephone: (514) 398-7928. E-mail: studentinfo@macdonald.mcgill.ca.

Please note that the same application is used for all undergraduate programs at McGill and two program choices can be entered.

2.3 Admission Requirements

Applicants are not required to submit proof of proficiency in English if they meet **one** of the following conditions: their mother tongue/first language is English; they have completed both Secondary V and a Diploma of Collegial Studies in Quebec; they have completed the last five years of study in a French Baccaulaurate International Option program, or in a French Lycée located in an English speaking country; they have completed A-Level English (other than English as a Second Language) with a final grade of C or better; their last five years of study (preceding application) have been at a learning institution where English is the main language of instruction (including applicants taught in English in Kenya, Liberia and Singapore).

Quebec CEGEP Students
Applicants must have completed a two-year Quebec post-secondary collegial program (CEGEP) in the Pure and Applied Sciences, Health Sciences, or Science de la nature. (Applicants who have completed the DEC en sciences, lettres et arts are also eligible for admission. Applicants who have completed a DEC in a technical area will be considered on an individual basis.)

McGill uses the *cote de rendement au collégial* (*coter)* rather than CEGEP percentage grades for admission decisions. The *coter* is a method of comparing and ranking students from CEGEP; it measures how far above or below the class average a student places, with adjustments based on the relative strength of the group.

The current CEGEP profile for the B.Sc.(Nutr.Sc.) is Biology (00UK, 00XU); Chemistry - NYA, NYB, Organic Chemistry I (00UL, 00UM, 00XV); Mathematics - NYA, NYB (00UN, 00UP); Physics - NYA, NYB, NYC (00UR, 00US, 00UT).

Based upon entry with the appropriate DEC, the B.Sc.(Nutr.Sc.) is offered as a 90-credit, three-year program for Nutrition and a 115-credit, three and one-half year program for Dietetics.

Applicants from Other Canadian Provinces
Applicants from provinces other than Quebec and Ontario must hold a high school diploma giving access to university education in their province/territory and have completed Grade 12 Mathematics (pre-calculus); two of: Grade 12 Biology, Chemistry or Physics; Grade 12 English or French (see note below explaining when English or French is required). Consideration will be given to the results for Grade 11 and 12 level courses (regardless of the calendar year in which they were taken), with emphasis on grades obtained in courses most relevant to the intended program of study. Generally speaking, all marks are taken into consideration in determining admission, including those of failed or repeated courses.

If the applicant comes from a school where the language of instruction is English, then Grade 12 English must be included in the academic record. If the applicant comes from a school where the language of instruction is French, then Grade 12 French is required. English and French Second Language courses are not accepted as prerequisites.

Applicants from Ontario
Applicants from Ontario must have completed the Ontario Secondary School Diploma (OSSD), a minimum of six OAC, 4U and/or 4M courses combined. (At least one of: OAC Calculus, OAC Algebra and Geometry, MCB4U or MGA4U; Two different science subjects from the following list: OAC Biology or SBI4U, OAC Chemistry or SCH4U, OAC Physics or SPH4U, OAC or 4U English or French - see note below explaining when English or French is required.)

If the applicant comes from a school where the language of instruction is English, then OAC English or 4U level English or EAE4A must be included in the six courses. If the applicant comes from a school where the language of instruction is French, then OAC French (FRAOA or FLIOA) or 4U level French or English EALOA or EAL4U must be included in the six courses. Please note: English and French Second Language courses are not accepted as prerequisites.

At least four of the six required courses, as well as all prerequisite courses must be taken at the OAC or 4U level. Admissions criteria will focus primarily on the top six OAC, 4U and/or 4M courses (including specified prerequisite courses). Generally speaking, all marks are taken into consideration in determining admission, including those of failed or repeated courses.

Every attempt has been made to report accurately on admission requirements in effect at the time of printing. Given the recent Ontario curriculum reform and the resulting array of new courses, it should be noted that McGill reserves the right to revise its admission requirements without prior notice.

Applicants from U.S. High School Programs
Applicants who are applying on the basis of a high school diploma from a school in the United States must have completed a pre-calculus course in functions, and at least two of biology, chemistry, and physics. Applicants must write College Entrance Examination Board tests including the SAT I and three SAT IIs. SAT IIs must include mathematics and at least one science. ACTs are also acceptable.

Applicants who have completed Advanced Placement Examinations in appropriate subjects with a grade of 4 or better will be granted some advanced standing, up to a maximum of 30credits.

Students who are accepted on the basis of a high school diploma enter a program which is extended by one year to include the 30 credits which comprise the Freshman Year.

Applicants from Other Countries
The normal basis for review of a file is completion of the credentials which lead to university admission in the applicant's country of study.

Students from the United Kingdom and Commonwealth countries may be admitted if they have completed Advanced Level examinations in chemistry, physics, and mathematics with two B's and one C or better in each, and five appropriate G.C.S.E. subjects at the Ordinary Level, including biology and English.

Advanced Level examination results which are appropriate to the intended program of studies will be assessed for advanced standing and credit when the results are received directly from the appropriate Examination Board. A maximum of 30 credits is granted for Advanced Level papers and a maximum of 10 credits for papers in Mathematics. Credit is normally granted only for grades of C or better.

Students who have a very good academic record in Lower FormVI and excellent results in at least five G.C.S.E. subjects at the Ordinary Level may be considered for admission to a program requiring the completion of a minimum of 120 credits.

For students applying on the basis of the French Baccalaureate, the minimum requirement is the Diploma in Series S in the "Première Group" with Mention "assez bien".

Applicants with the International Baccalaureate
Applicants should have completed Higher or Subsidiary Level mathematics and normally two of biology, chemistry, or physics. Ten advanced standing credits may be granted for mathematics and science Higher Level subjects completed within the IB Diploma, up to the maximum of 30 credits, while 6 credits will be given for non-science Higher Level examinations taken as part of the Diploma or for Higher Level Certificate subjects.

Transfer Students
Students wishing to transfer from other universities and colleges are considered for admission on the basis of both their university work and previous studies. A minimum of 60credits of work must be completed at McGill if a degree is to be granted. Students must also fulfil the requirements of a degree program. Credits are determined only once a formal application and all the necessary supporting documents are received.

Basic science requirements are: two semesters of biology; two semesters of general chemistry, with labs; one semester of organic chemistry; two semesters of physics (including mechanics, electricity and magnetism, and waves and optics), with labs, and one semester in each of differential and integral calculus. A grade of B or better is expected in prerequisite mathematics and science courses.

This same policy is applicable to holders of undergraduate degrees.

Transfer Students – Inter-Faculty
Students wishing to transfer from one faculty to another must complete an inter-faculty transfer form. The deadline for submitting a transfer form for admission to the School is June 1 for admission in September and November 1 for admission in January.

Mature Student Admission
Residents of Canada who will be 23 years of age or older by September1 (for admission for the fall session) or January1 (for admission for the winter session) and who lack the academic background normally required for admission may apply for entrance as mature students. Individuals interested in being considered for entrance under this policy should contact the Student Affairs Office for complete details.

3 Academic Information and Regulations

Students in the B.Sc.(Nutr.Sc.) program are governed by the rules and regulations of the Faculty of Agricultural and Environmental Sciences, excerpts of which are given below. Additional information regarding the credit and grading system, examination regulations, withdrawal policies, etc. is contained in the Faculty and General University Information sections of the *Undergraduate Programs Calendar* which is sent to accepted applicants with their offer of admission.

3.1 Academic Credit Transfer

Transfer of credits (maximum of 30) based on courses taken at other institutions before entrance to this Faculty is made by the Admissions Committee prior to entrance.

Transfer of credits may be made for work at other educational institutions during a student's attendance at McGill University. Permission to apply such credits to a McGill program must be secured by the student from the Academic Adviser of their program before the work is undertaken. Forms are available in the Student Affairs Office (Macdonald Campus). Grades obtained in such courses do not enter into calculations of grade point averages (GPA) in this Faculty.

Exemption from a Required or Complementary course on the basis of work completed at another institution must be approved by both the Academic Adviser and the instructor of the appropriate McGill course.

Full-time students may, with the written permission of the Associate Dean (Student Affairs) of the Faculty, register for 3 credits, or exceptionally 6 credits, in each semester at any university in the province of Quebec. These courses successfully completed with a minimum grade of C (according to the standards of the university giving the course), will be recognized for the purpose of the degree but the grades obtained will not enter into calculations of GPA in this Faculty.

3.2 Standing

The program for the degree with a Major in Nutrition will normally be completed in three academic years or six semesters (following the Freshman Year, if one is required). The degree with a Major in Dietetics will normally be completed in three and one-half academic years or seven semesters. For the purpose of student classification, the years will be termed U1, U2 and U3.

U1 to be used during the first 12 months following each admission to a degree program in which the student is required to complete 72 or more credits at the time of admission.

U2 to be used for all students who are not U1 or U3.

U3 to be used during the session in which it is expected the student will qualify to graduate.

Academic Advisers
Before registration, all students must select a Major program of study. They must consult with the Academic Adviser of their chosen program for the selection and timetabling of Required, Complementary, and Elective courses. The Academic Adviser will continue to act in this capacity during the whole of the student's studies in the Faculty.

3.3 Degree Requirements

To be eligible for a degree, students must have passed all required and complementary courses and also any specified electives recommended by their adviser. They must have accumulated at least 90 credits for the Nutrition Major and at least 115 credits for the Dietetics Major including four levels of professional formation. At least 60 credits must be taken at McGill. A CGPA of at least 2.00 is required for graduation.

4 Academic Programs

4.1 Freshman Major

Students entering university for the first time from schools other than the Quebec CEGEP level will be required to complete the 30credits listed below before selecting a subject Major.

		CREDITS
Required Courses - Fall		**14.5**
AEBI120	General Biology	3.0
AEMA101	Calculus 1	3.0

AEPH112	Introductory Physics 1	4.0
AGRI195*	Freshman Seminar 1	0.5
FDSC230	Organic Chemistry	4.0
Required Courses - Winter		**12.5**
AEMA102	Calculus 2	4.0
AEPH114	Introductory Physics 2	4.0
AGRI196*	Freshman Seminar 2	0.5
FDSC110	Inorganic Chemistry	4.0
Elective - Winter		**3.0**
Elective		3.0

AEBI202 Cellular Biology must be substituted for students in programs in the B.Sc.(Nutr.Sc.) degree.
ABEN103 Linear Algebra must be substituted for students in the B.Eng.(Bioresource) degree.

Total Credits **30.0**

* AGRI195 and AGRI196 are required for all freshmen excluding Dietetics and Nutrition students.

4.2 Major in Dietetics

Academic Advising Coordinator:
Linda Jacobs Starkey, Ph.D., RD, FDC

Graduates are qualified for challenging professional and leadership positions related to food and health, as dietitians, nutritionists and food administrators. The designations “Dietitian” and “Nutritionist” are reserved titles in the province of Quebec. As clinical nutritionists, dietitians may work in health-care settings and food service centres, nutrition counselling centres, clinics and private practice. As community nutritionists, dietitians are involved in nutrition education programs through school boards, sports centres and local and international health agencies. The dietitian in the food service sector participates in all aspects of management to assure quality food products. Postgraduate programs are available to qualified graduates. The duration of the program is three and one-half years.

Successful graduates are qualified for membership in Dietitians of Canada and the Ordre professionnelle de diététistes du Québec. Forty weeks of supervised professional experience in clinical and community nutrition and food service systems management are included.

Required Courses: 103 credits.
Note: The School firmly applies prerequisite requirements for registration in all required courses in the Dietetics Major.
All required and complementary courses must be passed with a minimum grade of C.
Complementary Courses: 6 credits.
Electives: 6 credits, selected in consultation with an Academic Adviser, to meet the minimum 115-credit requirement for the degree.

		CREDITS
Term 1		**15**
AGEC242	Management Theories and Practices	3
FDSC211	Biochemistry 1	3
NUTR207	Nutrition and Health	3
NUTR214	Food Fundamentals	3
One Elective or Complementary (see list below)		3
Term 2		**16**
ABEN251	Microcomputer Applications	3
ANSC234	Biochemistry 2	3
MICR230	Microbial World	3
NUTR208*	Stage in Dietetics 1	1
NUTR217	Application: Food Fundamentals	3
One Elective or Complementary (see list below)		3
Summer		**3**
NUTR209*	Professional Practice Stage 1B	3
Term 3		**17**
AEMA310	Statistical Methods 1	3
AGEC343	Accounting and Cost Control	3
ANSC323	Mammalian Physiology	4
ANSC330	Fundamentals of Nutrition	3
NUTR322	Applied Sciences Communications	2
NUTR345	Food Service Systems Management	2
Term 4		**16**
ANSC424	Metabolic Endocrinology	3
NUTR310*	Stage in Dietetics 2A	1
NUTR337	Nutrition Through Life	3
NUTR344	Clinical Nutrition 1	4
NUTR346	Quantity Food Production	2
One Elective or Complementary (see list below)		3
Summer		**5**
NUTR311*	Stage in Dietetics 2B	5
Term 5		**17**
NUTR403	Nutrition in Society	3
NUTR445	Clinical Nutrition 2	5
NUTR446	Applied Human Resources	3
NUTR450	Research Methods: Human Nutrition	3
One Elective or Complementary (see list below)		3
Term 6		**12**
NUTR409*	Stage in Dietetics 3	8
NUTR436	Nutritional Assessment	2
NUTR438	Interviewing and Counselling	2
Term 7		**14**
NUTR510*	Professional Practice - Stage 4	14

Two Complementary Courses are to be selected from the following, as specified

3 credits of Human Behavioural Science courses chosen from:
NUTR301 (3) Psychology
or equivalent course from another faculty.

3 credits from the social sciences:
AGEC200 (3) Principles of Microeconomics
AGEC230 (3) Agricultural and Food Marketing
ENVR201 (3) Society and Environment
ENVR203 (3) Knowledge, Ethics and Environment
RELG270 (3) Religious Ethics and the Environment
or equivalent courses from another faculty.

Elective Courses:
Two Elective courses should be chosen in consultation with the academic adviser. The following courses most often fit the timetable; elective choice is not limited to these courses.
FDSC200 (3) Introduction to Food Science
FDSC212 (3) Biochemistry Laboratory
FDSC251 (3) Food Chemistry 1
FDSC425 (3) Principles of Quality Assurance
NUTR420 (3) Toxicology and Health Risks
NUTR430 (3) Directed Studies: Dietetics and Nutrition 1
NUTR501 (3) Nutrition in Developing Countries
NUTR511 (3) Nutrition and Behaviour
NUTR512 (3) Herbs, Foods and Phytochemicals

* Successful completion of all component parts of each level of Stage (Professional Practice) in Dietetics courses is a prerequisite for the next level and must be passed with a minimum grade of C. Undergraduate registration is restricted to students in the Dietetics Major, CGPA greater than or equal to 2.50. Visiting students must contact the Academic Advising Coordinator (Dietetics) regarding course registration eligibility.

Students are reminded that ethical conduct on Professional Practice (Stage) rotations is required. The Faculty reserves the right to require the withdrawal of any student at any time if it (Faculty) feels the student has displayed unprofessional conduct or demonstrates incompetence.

A compulsory immunization program exists at McGill which is required for Dietetics students to practice. Students should complete their immunization before arriving at Macdonald Campus;

medical/health documentation must be received prior to commencement of Stage.

4.3 Major in Nutrition

Academic Advising Coordinator: Kristine G. Koski

This Major covers the many aspects of human nutrition and food and gives first, an education in the scientific fundamentals of these disciplines and second, an opportunity to focus in (a) nutritional biochemistry and metabolism, (b) global nutrition issues, (c) food function, product development and safety and/or (d) sports nutrition. Graduates are qualified for careers in pharmaceutical and/or food industries or government laboratories, the health science communications field, sports clinics and national or international food support programs. Graduates often continue on to further studies preparing for careers in research, medicine, and dentistry or as specialists in nutrition. Aside from working as university teachers and researchers, postgraduates may be employed by government and health protection agencies, in world development programs or in the food sector.

Required Courses: 57 credits
All required courses must be passed with a minimum grade of C.
Complementary Courses: 15/16 credits
Electives: 17/18 credits
Selected in consultation with the academic adviser to meet the minimum 90 credits for the degree. Reciprocal agreement allows all students to take a limited number of electives at any Quebec University. With prior approval students can take electives at any Canadian or international university.

		CREDITS
Required Courses:		**57**
ABEN251	Microcomputer Applications	3
AEMA310	Statistical Methods 1	3
ANSC234	Biochemistry 2	3
ANSC323	Mammalian Physiology	4
ANSC424	Metabolic Endocrinology	3
FDSC211	Biochemistry 1	3
FDSC212	Biochemistry Laboratory	2
FDSC251	Food Chemistry 1	3
FDSC305	Food Chemistry 2	3
MICR230	Microbial World	3
NUTR207	Nutrition and Health	3
NUTR214	Food Fundamentals	3
NUTR322	Applied Sciences Communication	2
NUTR337	Nutrition Through Life	3
NUTR344	Clinical Nutrition 1	4
NUTR420	Toxicology and Health Risks	3
NUTR450	Research Methods: Human Nutrition	3
NUTR451	Analysis of Nutrition Data	3
NUTR512	Herbs, Foods, and Phytochemicals	3
Complementary Courses:		**15/16**
One of the following courses:		**3**
NUTR307	Human Nutrition	
or ANSC330	Fundamentals of Nutrition	
And one of the following sets of 12/13 credits.		**12/13**
Nutritional Biochemistry:		**13**
ANSC551	Carbohydrate & Lipid Metabolism	3
ANSC552	Protein Metabolism & Nutrition	3
CELL204	Genetics	4
PARA438	Immunology	3
Global Nutrition:		**12**
AGRI340	Principles of Ecological Agriculture	3
NRSC340	Global Perspectives on Food	3
NUTR403	Nutrition in Society	3
NUTR501	Nutrition in Developing Countries	3
Food Function and Safety:		**12**
FDSC300	Food Analysis 1	3
FDSC315	Food Analysis 2	3
FDSC319	Food Chemistry 3	3
FDSC425	Principles of Quality Assurance	3
Sports Nutrition:		**12**
ANAT214	Systemic Human Anatomy	3
or EDKP205	Structural Anatomy	3
EDKP391	Ergo-Physiology	3
EDKP495	Scientific Principles of Training	3
NUTR503	Bioenergetics and the Lifespan	3

4.4 Minor in Human Nutrition

Academic Adviser: Linda Wykes

A Minor in Human Nutrition is available for students in other programs within the Faculty of Agricultural and Environmental Sciences, or in other faculties at McGill. It cannot be taken by students in the B.Sc.(Nutr.Sc.) program.

The Minor in Human Nutrition is intended to complement a student's primary field of study by providing a focused introduction to the metabolic aspects of human nutrition. It is particularly accessible to students in Biochemistry, Biology, Physiology, Anatomy and Cell Biology, Microbiology and Immunology, Animal Science or Food Science programs. The completion of 24 credits is required, of which at least 18 must not overlap with the primary program. All courses must be taken in the appropriate sequence and passed with a minimum grade of C. Students may declare their intent to follow the Minor program at the beginning of their U2 year. They must then consult with the Academic Adviser for the Human Nutrition Minor in the School of Dietetics and Human Nutrition to obtain approval for their course selection. Since some courses may not be offered every year and many have prerequisites, students are cautioned to plan their program in advance.

The Minor program does not carry professional recognition; therefore, it is not suitable for students wishing to become nutritionists or dietitians. However, successful completion may enable students to qualify for many post-graduate nutrition programs.

Required Courses: 6 credits
Complementary Courses: 18 or 19 credits

		CREDITS
Required Courses:		**6**
NUTR337	Nutrition Through Life	3
NUTR450	Research Methods: Human Nutrition	3
Complementary Courses:		**18 or 19**

3 credits in biochemistry, one of:

ANSC234	(3)	Biochemistry 2
BIOC311	(3)	Metabolic Biochemistry

3 or 4 credits in physiology, one of:

ANSC323	(4)	Mammalian Physiology
PHGY210	(3)	Mammalian Physiology 2
PHGY202	(3)	Human Physiology: Body Functions

3 credits in nutrition, one of:

ANSC330	(3)	Fundamentals of Nutrition
NUTR307	(3)	Human Nutrition

8 or 9 credits from the following list:

ANSC551	(3)	Carbohydrate and Lipid Metabolism
ANSC552	(3)	Protein Metabolism and Nutrition
MIMM314	(3)	Immunology
orPARA438	(3)	Immunology
NUTR403	(3)	Nutrition in Society
NUTR451	(3)	Analysis of Nutrition Data
NUTR436	(2)	Nutritional Assessment
NUTR420	(3)	Toxicology and Health Risks
NUTR512	(3)	Herbs, Foods and Phytochemicals
NUTR501	(3)	Nutrition in Developing Countries
NUTR430	(3)	Directed Studies: Dietetics and Nutrition 1
or NUTR431	(3)	Directed Studies: Dietetics and Nutrition 2
PATH300	(3)	Human Disease

Notes:
1. Most courses listed at the 300level and higher have prerequisites. Although instructors may waive prerequisite(s) in some cases, students are urged to prepare their program of study well before their final year.
2. Some courses may not be offered every year. For information on available courses, consult Class Schedule at www.mcgill.ca/minerva.

5 Courses

All pre- and co-requisites in a course sequence leading to a more advanced course must be successfully completed before registration will be permitted in the advanced course.

‡ Successful completion of all components parts of each level of Professional Practice (Stage) in Dietetics is a prerequisite for the next level. All required and complementary courses listed in semesters prior to or with a Stage are prerequisites for that level.

Undergraduate registration is restricted to students in the Dietetics Major, CGPA greater than or equal to 2.50. Visiting students contact the Advising Coordinator regarding eligibility for specific courses.

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.

Denotes courses not offered in 2004-05.

Denotes courses taught only in alternate years.

5.1 Nutrition and Dietetics

NUTR 200 CONTEMPORARY NUTRITION. (3) (Summer) (Not open for credit to students with a biology or chemistry course in their program, or to students registered in the School of Dietetics and Human Nutrition, or to students who take NUTR 207) Provides students without a biology/chemistry background with the fundamental tools to critically assess nutrition related information, to evaluate their own diets, and to implement healthy changes. Emphasis is on current issues and maximizing health and disease prevention at different stages of the lifecycle.

NUTR 207 NUTRITION AND HEALTH. (3) (Fall) (3 lectures) (Corequisites: BIOL 401 or FDSC 230) (Not open to students who take NUTR 200 or NUTR 307 or who have taken PHGY 311 or BIOC 311) (Science students in physical science and psychology programs who wish to take this course should see the Arts and Science Student Affairs Office for permission to register.) Provides students who have a basic biology/chemistry background with the fundamental information on how macronutrients, vitamins and minerals are metabolized in the body, followed by application to evaluate current issues of maximizing health and disease prevention at different stages of the lifecycle.

‡ NUTR 208 STAGE IN DIETETICS 1. (1) (Winter) (Prerequisites: all Required courses in Term 1 of the Dietetics Major. Corequisites: All Required courses in Term 2 of the Dietetics Major) (Restricted to Dietetics Major or Special Students (professional credentialing)) Introduction to the dietetics profession; principles and policies in food and nutrition essential to entry-level dietetics experiences; practice in dietary interviewing, problem solving and report writing related to Level 1 Professional Practice placements.

NUTR 209 PROFESSIONAL PRACTICE STAGE 1B. (3) Directed, supervised experiences in nutrition services and food service operations management; integration into the professional team.

‡ NUTR 209D1 (1.5), NUTR 209D2 (1.5) PROFESSIONAL PRACTICE STAGE 1B. (Summer: 4 weeks; Fall: 1 day) (Prerequisites: all Required courses in Terms 1 and 2 of the Dietetics Major.) (Restricted to Dietetics Major or Special Students (professional credentialing).) (Students must also register for NUTR 209D2.) (No credit will be given for this course unless both NUTR 209D1 and NUTR 209D2 are successfully completed in consecutive terms.) (NUTR 409D1 and NUTR 409D2 together are equivalent to NUTR 409.) Directed, supervised experiences in nutrition services and food service operations management; integration into the professional team.

NUTR 214 FOOD FUNDAMENTALS. (3) (Fall) (2 lectures and one 4-hour lab) (Prerequisite: FDSC 230 or corequisite with instructor's permission. Corequisite FDSC 211.) Study of composition, structure and chemical and physical properties of foods. To understand the scientific principals underlying chemical and physical phenomena that occur during the preparation of food. Laboratory emphasis on developing skills in handling and preparing food, and food assessment by sensory evaluation.

NUTR 217 APPLICATION: FOOD FUNDAMENTALS. (3) (Winter) (2 lectures and one 4-hour lab) (Prerequisite: NUTR 214) A more intensive study of food and complex food mixtures, including their chemical and physical properties. Learning how to control the changes that take place during the preparation of food to obtain palatable, nutritious and safe food. An introduction to culturally determined food habits. Laboratory emphasis on acquiring new knowledge and application to basic food preparation and cooking principles.

NUTR 301 PSYCHOLOGY. (3) (Fall) (2 lectures and 1 conference) A study of the general characteristics of physical, social, emotional and intellectual development, the psychology of learning, and the growth and development of personality.

NUTR 307 HUMAN NUTRITION. (3) (Fall) (Prerequisites: BIOL 201 or AEBI 202, CHEM 212 or FDSC 230 or permission of the instructor.) (Not open to students who have taken ANSC 330) (3 lecture hours) Cellular and organismal aspects of nutrition with emphases on biochemical and physiological roles of carbohydrates, lipids, proteins, minerals and vitamins in disease prevention and promotion of optimal health.

‡ NUTR 310 STAGE IN DIETETICS 2A. (1) (Winter) (One 2-hour conference/week) Human food intake assessment and evaluation will be practiced including modules on dietary interviewing, nutrition education teaching plans and documentation for the medical record. Practical aspects of health and food service administration will be addressed.

‡ NUTR 311 STAGE IN DIETETICS 2B. (5) (Summer: 7 weeks) Two interrelated modules of directed experience in normal and clinical nutrition and foodservice management, in health care settings and the private sector.

NUTR 322 APPLIED SCIENCES COMMUNICATION. (2) (Fall) (2 lectures, 1 lab) (Prerequisite: Completion of 15 credits in a B.Sc. program) The principles and techniques of communicating applied sciences to individuals and groups in both the professional and public milieu. Effective public speaking and group interaction techniques. Communication materials selection, development, use, and evaluation. Writing for the media. Balancing risk and reason in communicating scienctific findings.

NUTR 337 NUTRITION THROUGH LIFE. (3) (Winter) (3 lectures, 1 conference) (Prerequisite: ANSC 330 or NUTR 307) Emphasis on applied quantitative aspects of human nutrition. Nutrient utilization, evaluation and requirements, as related to dietary standards.

NUTR 344 CLINICAL NUTRITION 1. (4) (Winter) (Two 2-hour lectures) (Pre-requisite: ANSC 323. Co-requisite: NUTR 337) Clinical nutrition assessment and dietary modification of pathological conditions including hypertension, lipid disorders and cardiovascular disease, obesity, diverticulosis, cancer, COPD, anorexia nervosa and bulimia.

NUTR 345 FOOD SERVICE SYSTEMS MANAGEMENT. (2) (Fall) An introductory course applying the principles of organizational management within the healthcare foodservice industry. Emphasis on understanding standards of quality control, customer relations and sanitation. Budget preparation, scheduling and cost control as well as menu preparation, recipe standardization and costing.

NUTR 346 QUANTITY FOOD PRODUCTION. (2) (Winter) (Prerequisite: NUTR 345) Quantity food planning, costing, and evaluation. Laboratory experience with quantity food production following principles of food sanitation and safety, food quality and cost-evaluation.

NUTR 403 NUTRITION IN SOCIETY. (3) (Fall) (3 hour conference) (Prerequisite: NUTR 337) Sociocultural and economic influences on food choice and behaviour; health promotion and disease prevention through nutrition, particularly in high risk populations; the interaction of changing environment, food availability and quality as they affect health.

‡ **NUTR 409 STAGE IN DIETETICS 3.** (8) (Winter: 10 weeks) Four interrelated modules of directed experience in clinical nutrition, foodservice management, normal nutrition education and community nutrition, in health care settings and the private sector.

NUTR 420 TOXICOLOGY AND HEALTH RISKS. (3) (Fall) (3 lectures) (Prerequisite: FDSC 211, BIOL 201 or BIOC 212) (This course is not open to students who have taken NUTR 361) Basic principles of toxicology, health effects of exposure to environmental contaminants such as heavy metals, pesticides and radionuclides and ingestion of food toxicants such as food additives and preservatives; natural toxins in plants and marine foods, human health, ecosystem health, safety evaluation, risk assessment, and current Canadian regulations.

NUTR 430 DIRECTED STUDIES: DIETETICS AND NUTRITION 1. (3) (Fall and Winter) An individualized course of study in dietetics/human nutrition under the supervision of a staff member with expertise on a topic not otherwise available in a formal course. A written agreement between student and staff member must be made before registration and filed with the Program Coordinator.

NUTR 431 DIRECTED STUDIES: DIETETICS AND NUTRITION 2. (3) (Fall or Winter) An individualized course of study in dietetics/human nutrition under the supervision of a staff member with expertise on a topic not otherwise available in a formal course. A written agreement between student and staff member must be made before registration and filed with the Program Coordinator.

NUTR 431D1 (1.5), NUTR 431D2 (1.5) DIRECTED STUDIES: DIETETICS AND NUTRITION 2. (Students must register for both NUTR 431D1 and NUTR 431D2.) (No credit will be given for this course unless both NUTR 431D1 and NUTR 431D2 are successfully completed in consecutive terms) (NUTR 431D1 and NUTR 431D2 together are equivalent to NUTR 431) An individualized course of study in dietetics/human nutrition under the supervision of a staff member with expertise on a topic not otherwise available in a formal course. A written agreement between student and staff member must be made before registration and filed with the Program Coordinator.

NUTR 431N1 DIRECTED STUDIES: DIETETICS AND NUTRITION 2. (1.5) (Students must also register for NUTR 431N2) (No credit will be given for this course unless both NUTR 431N1 and NUTR 431N2 are successfully completed in a twelve month period) (NUTR 431N1 and NUTR 431N2 together are equivalent to NUTR 431) An individualized course of study in dietetics/human nutrition under the supervision of a staff member with expertise on a topic not otherwise available in a formal course. A written agreement between student and staff member must be made before registration and filed with the Program Coordinator.

NUTR 431N2 DIRECTED STUDIES: DIETETICS AND NUTRITION 2. (1.5) (Prerequisite: NUTR 431N1) (No credit will be given for this course unless both NUTR 431N1 and NUTR 431N2 are successfully completed in a twelve month period) (NUTR 431N1 and NUTR 431N2 together are equivalent to NUTR 431) See NUTR 431N1 for course description.

NUTR 432 DIRECTED STUDIES: DIETETICS AND NUTRITION 3. (3) (Fall and Winter) An individualized course of study in dietetics/human nutrition under the supervision of a staff member with expertise on a topic not otherwise available in a formal course. A written agreement between student and staff member must be made before registration and filed with the Program Coordinator.

NUTR 433 DIRECTED STUDIES: DIETETICS AND NUTRITION 4. (5) (Fall or Winter or Summer) (Limited enrolment) (Prerequisite: registration in NUTR 409 or equivalent. Restricted to students in the Dietetics Major or documentation of requirement for professional registration) An individualized course of study in dietetics and human nutrition not available through other courses in the School. Emphasis will be placed on application of foods and nutrition knowledge, analytic and synthesis skills, and time management. A written agreement between student and instructor must be made before registration. A "C" grade is required to pass the course.

NUTR 436 NUTRITIONAL ASSESSMENT. (2) (Winter) (Prerequisite: NUTR 337) (2 lectures) An intense 4-week course focused on resolving clinically based case studies. The objectives: to develop skills in clinical problem solving, learn principles and methods for assessing the nutritional status of patients and to become skilled at interpreting clinical data relevant to assessing nutritional status and prognosis of hospitalized patients.

NUTR 438 INTERVIEWING AND COUNSELLING. (2) (Winter) (One 2-hour conference) (Prerequisite: NUTR 344 and NUTR 311) Theories of behaviour change. Techniques and skills as applicable to the dietician's role as communicator, interviewer, counsellor, educator, motivator and nutrition behaviour change specialist.

NUTR 445 CLINICAL NUTRITION 2. (5) (Fall) (Two 2.5-hour lectures) (Prerequisite: NUTR 344 and ANSC 424) Clinical nutrition intervention for gastrointestinal and liver disease, hypermetabolic states, diabetes mellitis, renal disease and inborn errors of metabolism, enteral/parenteral nutrition management.

NUTR 446 APPLIED HUMAN RESOURCES. (3) (Fall) (3 lectures, 1 conference) (Prerequisite: AGEC 242) The management of people at work. Employee development and the leadership role. The nature of collective bargaining, the role of unions and management.

NUTR 450 RESEARCH METHODS: HUMAN NUTRITION. (3) (Fall) (2 lectures, 3 hours research, 4 hours other) (Prerequisite: NUTR 337, AEMA 310 or BIOL 373) Introduction to methods of clinical, community, international, and laboratory-based nutrition research. Lectures, readings and assignments will cover basic research concepts. Students undertake a computer directed literature search and analysis.

NUTR 451 ANALYSIS OF NUTRITION DATA. (3) (Fall) (Prerequisite: NUTR 337. Corequisite: NUTR 450) An applied course in analysis and interpretation of nutrition data sets. Introduction to specialized dietary and anthropometric computer programs. Written and oral presentation of results.

Graduate courses available to undergraduate students at the U3 level, with permission of instructor. Note: not all graduate courses are offered each year.

NUTR 501 NUTRITION IN DEVELOPING COUNTRIES. (3) (Fall) (2 lectures and one seminar) (Prerequisite: For undergraduate students, consent of instructor required) 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.

NUTR 503 BIOENERGETICS AND THE LIFESPAN. (3) (Fall) (Prerequisites: Undergraduate Basic Biochemistry (3 credits), Undergraduate Mammalian Physiology (EDKP 331 or PHGY 202 or PHGY 210 or ANSC 323), Undergraduate Introductory Nutrition (EDKP 392 or NUTR 207 or NUTR 307).) Multidisciplinary approach that integratesprinciples of bioenergetics with nutrition through the lifespan.

NUTR 510 PROFESSIONAL PRACTICE - STAGE 4. (14) (Fall: 16 weeks) (Prerequisite: NUTR 409) (Restricition: Not open to students who have taken NUTR 410) (Restriction: Undergraduate registration is restricted to students in the Dietetics Major, CGPA greater than, or equal to 2.50) Interrelated modules of directed experience in clinical nutrition, foodservice management, nutrition education and community nutrition, in health care setting and in the private sector.

NUTR 511 NUTRITION AND BEHAVIOUR. (3) (2 lectures and one seminar) (Prerequisite: NUTR 445 for undergraduate students or consent of instructor)

NUTR 512 HERBS, FOODS AND PHYTOCHEMICALS. (3) (3 lectures and a project) (Undergraduate prerequisite: FDSC 211 or BIOL 201 or BIOC 212) 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 the assessment of toxicity will be presented. Current practices relating to the regulation, commercialization and promotion of herbs and phytochemicals will be considered.

5.2 Courses Offered by Other Units

Given below are descriptions of courses offered by other units within the Faculty which form part of the B.Sc.(Nutr.Sc.) as Required, Complementary or commonly used Elective Courses. For additional courses in Agricultural and Environmental Sciences, please see the *Undergraduate Programs Calendar*. McGill University Calendars are available on the Web (www.mcgill.ca/courses).

ABEN 251 MICROCOMPUTER APPLICATIONS. (3) (3 lectures and one 2-hour lab) A user level computing course oriented toward the use of microcomputers rather than programming. Networks, Windows, FTP, web searching, e-mail, word processing, web pages, spreadsheets, slide shows, and other uses.

AEMA 310 STATISTICAL METHODS 1. (3) (Two 1.5-hour lectures and one 2-hour lab) Measures of central tendency and dispersion; binomial and Poisson distributions; normal, chi-square, Student's t and Fisher-Snedecor F distributions; estimation and hypothesis testing; simple linear regression and correlation; analysis of variance for simple experimental designs.

AGEC 200 PRINCIPLES OF MICROECONOMICS. (3) (Fall) (3 lectures) The field of economics as it relates to the activities of individual consumers, firms and organizations. Emphasis is on the application of economic principles and concepts to everyday decision making and to the analysis of current economic issues.

AGEC 201 PRINCIPLES OF MACROECONOMICS. (3) (Winter) (3 lectures) (Prerequisite: AGEC 200 or equivalent) The overall economic system, how it works, and the instruments used to solve social problems. Emphasis will be on decision-making involving the entire economic system and segments of it.

AGEC 230 AGRICULTURAL AND FOOD MARKETING. (3) (Winter) (3 lectures) (Prerequisite: AGEC 200 or equivalent) Marketing principles and practices, their relationship to the agriculture-food system, and the economic impact on all segments of this system. Emphasis on the application of marketing principles in problem-solving and in developing marketing and communication skills of the individual.

AGEC 231 ECONOMIC SYSTEMS OF AGRICULTURE. (3) (Winter) (3 lectures) (Prerequisite: AGEC 200 or equivalent) The structure and organization of Canada's agriculture-food system, the operation, financing, linkages, and functions of its components. Focus to be on management of the various components and the entire system, types of problems confronted now and in the future.

AGEC 242 MANAGEMENT THEORIES AND PRACTICES. (3) (Fall) (3 lectures) An introduction to contemporary management theories and practices in organizations of the food sector.

AGEC 343 ACCOUNTING AND COST CONTROL. (3) (Winter) (3 lectures) An introduction to the basic principles and concepts of responsibility accounting and cost control, analysis and utilization of financial statements and control system data for decision making.

AGRI 340 PRINCIPLES OF ECOLOGICAL AGRICULTURE. (3) (3 lectures and one 2-hour seminar) (Not open to students who have taken AGRI 250) Focus on low-input, sustainable, and organic agriculture: the farm as an ecosystem; complex system theory; practical examples of soil management, pest control, integrated crop and livestock production, and marketing systems.

ANAT 214 SYSTEMIC HUMAN ANATOMY. (3) (Fall) (2 hours lectures, 2 hours practical tutorial) (Open to students in biological sciences) Introduction to the gross anatomy of the various organ systems of head, neck and trunk regions of the human body. Practical tutorials include studies of prepared specimens, use of the anatomical museum and audio-visual materials. This course is limited in size. Selection of students (other than those requiring the course as part of their program) will be made after the first lecture. (Admission is guaranteed for all students enrolled in programs in the Department of Anatomy and Cell Biology for which ANAT 214 is a required course.

ANSC 234 BIOCHEMISTRY 2. (3) (Winter) (3 lectures and one 3-hour lab) (Prerequisite: FDSC 211) Metabolism in humans and domestic animals. The chemistry of alimentary digestion, absorption, transport, intermediary metabolism and excretion.

ANSC 323 MAMMALIAN PHYSIOLOGY. (4) (Fall) (3 lectures and one 3-hour lab) (Prerequisite: FDSC 211 and one of the following; ANSC 250 or AEBI 202 or equivalent) A study of the organization, functions and regulation of various organ systems in mammals. The nervous, endocrine, muscular, cardiovascular, respiratory, urinary, digestive and reproductive systems are discussed.

ANSC 330 FUNDAMENTALS OF NUTRITION. (3) (Fall) (3 lectures) (Prerequisite: FDSC 211, ANSC 234 (ANSC 234 pre-req applies to students in B.Sc. Nutritional Sciences only).) A discussion of the nutrients; water, carbohydrates, lipids, proteins, minerals and vitamins, with particular emphasis on their functions in and essentially for the animal organism.

ANSC 424 METABOLIC ENDOCRINOLOGY. (3) (Winter) (3 lectures and one 3-hour lab) (Prerequisite: ANSC 323) A detailed study of the endocrine system and its role in the maintenance of homeostasis in higher vertebrates, including the endocrine regulation of energy balance.

ANSC 551 CARBOHYDRATE AND LIPID METABOLISM. (3) (Winter) (3 lectures) Comparative aspects of nutrition and metabolism of carbohydrate and lipid from the cellular level through the multi-organ of the whole organism. Main topics will include biothermodynamics, calorimetry, cellular metabolism and functions of carbohydrate and lipid, digestion, absorption and utilization of dietary carbohydrate and lipid.

ANSC 552 PROTEIN METABOLISM AND NUTRITION. (3) (Fall) (3 lectures) Comparative aspects of nutrition and metabolism of amino acids and proteins from the cellular level on through the multisystem operation of the whole organism. Main topics include cellular metabolism and functions of amino acids and proteins, digestion, absorption and utilization of dietary protein. Comparison between farm animals and humans.

BIOC 311 METABOLIC BIOCHEMISTRY. (3) (Fall) (Prerequisites: BIOL 200, BIOL 201 or BIOC 212, CHEM 222) The generation of metabolic energy in higher organisms with an emphasis on its regulation at the molecular, cellular and organ level. Chemical concepts and mechanisms of enzymatic catalysis are also emphasized. Included: selected topics in carbohydrate, lipid and nitrogen metabolism; complex lipid and biological membranes; hormonal signal transduction.

CELL 204 GENETICS. (4) (3 lectures, one 3-hour lab, one 1-hour tutorial) The course integrates classical, molecular and population genetics of animals, plants, bacteria and viruses. The aim is to understand the flow of genetic information within a cell, within families and in populations. Emphasis will be placed on problem solving based learning. The laboratory exercises will emphasize the interpretation of genetic experimental data.

EDKP 205 STRUCTURAL ANATOMY. (3) Skeletal, muscular and nervous system are examined anatomically and physiologically within the realm of how they interact to generate and apply the forces which permit man's mobility.

EDKP 391 ERGO-PHYSIOLOGY. (3) (Prerequisite: EDKP 331) Emphasis is on human organic adaptability; acute and chronic adaptive mechanisms to exercise and other environmental stresses are analysed. A laboratory program is included to evalu-

ate (measure and predict) adaptive capacity and assess factors affecting it.

EDKP 495 SCIENTIFIC PRINCIPLES OF TRAINING. (3) (Prerequisites: EDKP 331 and EDKP 391) Application of physiological and kinesiological principles in the selection and evaluation of athletic and physical fitness programs. Specific topics studied will include aerobic and anaerobic training, interval training, circuit training, weight training for muscular strength and endurance, flexibility, motor ability, obesity and energy balance.

ENVR 201 SOCIETY AND ENVIRONMENT. (3) (Fall) (Section 01: Downtown Campus) (Section 51: Macdonald campus) An introduction to human societies and their relations with the biophysical environment, focusing on how economy, technology, and institutions interact to give rise to environmental problems. Analytical treatment of key concepts from distinct disciplinary perspectives in the social and life sciences, including "carrying capacity", "renewable resources", "environmental equity", and "sustainability".

ENVR 203 KNOWLEDGE, ETHICS AND ENVIRONMENT. (3) (Fall - Macdonald Campus; Winter - Downtown) (Section 01: Downtown Campus) (Section 51: Macdonald Campus) Introduction to cultural perspectives on the environment: the influence of culture and cognition on perceptions of the natural world; conflicts in orders of knowledge (models, taxonomies, paradigms, theories, cosmologies), ethics (moral values, frameworks, dilemmas), and law (formal and customary, rights and obligations) regarding political dimensions of critical environments, resource use, and technologies.

FDSC 200 INTRODUCTION TO FOOD SCIENCE. (3) (Fall) (3 lectures) This course enables one to gain an appreciation of the scope of food science as a discipline. Topics include introductions to chemistry, processing, packaging, analysis, microbiology, product development, sensory evaluation and quality control as they relate to food science.

FDSC 211 BIOCHEMISTRY 1. (3) (Fall) (3 lectures) (Corequisite: FDSC 230) Biochemistry of carbohydrates, lipids, proteins, nucleic acids; enzymes and coenzymes. Introduction to intermediary metabolism.

FDSC 212 BIOCHEMISTRY LABORATORY. (2) (Fall) (1 lecture, 1 lab) (Corequisite: FDSC 211) The laboratory use of ionic strength and pH; the chemical properties of carbohydrates, lipids, proteins and enzymes; the instruction of laboratory techniques such as titration, chromatography, the use of the analytical balance and the pH meter.

FDSC 251 FOOD CHEMISTRY 1. (3) (Winter) (3 lectures and one 3-hour lab) (Prerequisite: FDSC 211) A study of the chemistry and functionality of the major components comprising food systems, such as water, proteins, carbohydrates and lipids. The relationship of these components to food stability will be studied in terms of degradative reactions and processing.

FDSC 300 FOOD ANALYSIS 1. (3) (Fall) (3 lectures and one 3-hour lab) (Prerequisite: FDSC 251) The theory and methodologies for the analysis of food products for moisture, fat, protein, ash and fibre (proximate analysis). The quantitative aspects of colour measurement and infrared spectroscopy are also developed in relation to the analysis of food systems.

FDSC 305 FOOD CHEMISTRY 2. (3) (Fall) (3 lectures and one 3-hour lab) (Prerequisite: FDSC 251) A study of the chemistry and functionality of the minor components comprising food systems, such as enzymes, anthocyanins, carotenoids, additives, vitamins and essential oils. The relationship of these components to food stability in terms of degradative reactions and processing.

FDSC 315 FOOD ANALYSIS 2. (3) (Winter) (3 lectures and one 3-hour lab) (Prerequisite: FDSC 300) A more detailed treatment on the principal analytical techniques associated with the analysis of carbohydrates, lipids, proteins and vitamin constituents in food systems.

FDSC 319 FOOD CHEMISTRY 3. (3) (Winter) (2 lectures and one 3-hour lab) (Prerequisite: FDSC 305) The relationship between the chemistry of food constituents present in common commodities, such as milk, meat, eggs, cereals, oilseeds etc. and the common processing methodologies associated with their transformation into stable food product.

FDSC 334 ANALYTICAL CHEMISTRY 2. (3) (Winter) (3 lectures and one 3-hour lab) (Prerequisite: FDSC 213 or equivalent) Theoretical and practical aspects of potentiometric measurements (pH and other ion-selective electrodes), spectrophotometry, atomic absorption spectroscopy and automated chromatography.

FDSC 425 PRINCIPLES OF QUALITY ASSURANCE. (3) (Winter) (3 lectures) (Prerequisite: AEMA 310) The principles and practices required for the development, maintenance and monitoring of systems for food quality and food safety. The concepts and practices of Hazard Analysis Critical Control Point; ISO 9000; Total Quality Management; Statistical Sampling Plans, Statistical Process Control; Tools of Quality; Government Regulations.

MICR 230 MICROBIAL WORLD. (3) (Winter) (3 lectures and one 3-hour lab) The occurrence and importance of microorganisms (especially bacteria) in the biosphere. Principles governing growth, death and metabolic activities of microorganisms. An introduction to the microbiology of soil, water, plants, food, man and animals.

MIMM 314 IMMUNOLOGY. (3) (Winter) (3 hours of lecture) (Prerequisite: BIOL 200 and BIOL 201 or BIOC 212) An introduction to the immune system, antigens, antibodies and lymphocytes. The course will cover the cellular and molecular basis of lymphocyte development and mechanisms of lymphocyte activation in immune responses.

NRSC 340 GLOBAL PERSPECTIVES ON FOOD. (3) (Prerequisite: A 200-level course in food science, food resources or dietetics, or permission of instructor.)

PARA 438 IMMUNOLOGY. (3) (2 lectures per week) (Prerequisite: AEBI 202 or permission of instructor) An in-depth analysis of the principles of cellular and molecular immunology. The emphasis of the course is on host defense against infection and on diseases caused by abnormal immune responses.

PATH 300 HUMAN DISEASE. (3) (Winter) (Prerequisites: BIOL 200, BIOL 201 or BIOC 212, PHGY 209. Pre-/co-requisite: PHGY 210) Provides a fundamental understanding of the diseases prevalent in North America, for upper level students in the biological sciences. Includes: general responses of cells and organ systems to injury; assessment of individual diseases by relating the causes, symptoms, diagnosis, treatment and prevention to the primary biological abnormalities in each disorder.

PHGY 202 HUMAN PHYSIOLOGY: BODY FUNCTIONS. (3) (Winter) (3 hours lecture weekly) (Prerequisites: collegial courses in biology or anatomy and in chemistry and physics; with CHEM 212 or equivalent, as a pre-/co-requisite) (For students in Physical and Occupational Therapy, Nursing, Education, and others with permission of the course coordinator) (Not open to students who took 552-201 in 1976-77 or earlier, or PHGY 210) Physiology of the cardiovascular, respiratory, excretory, endocrine, and digestive systems; organic and energy metabolism; nutrition; exercise and environmental stress.

PHGY 209 MAMMALIAN PHYSIOLOGY 1. (3) (Fall) (3 hours lectures weekly) (Prerequisites: as for PHGY 201 and PHGY 202. Pre-/co-requisites: BIOL 200, BIOL 201 or BIOC 212) (Not open to students who have taken PHGY 211 or PHGY 201) (For students in the Faculty of Science, and other students by permission of the instructor) The course covers the physiology of body fluids, blood, body defense mechanisms, peripheral and central nervous system, muscle. Students must be prepared to attend evening (19:00 - 20:00) class tests.

PHGY 210 MAMMALIAN PHYSIOLOGY 2. (3) (Winter) (3 hours lectures weekly) (Prerequisites: as for PHGY 201 and PHGY 202. Pre-/co-requisite: BIOL 200, BIOL 201 or BIOC 212) (Not open to students who have taken PHGY 211 or PHGY 202) (For students in the Faculty of Science, and other students by permission of the instructor) (Although PHGY 210 may be taken without the prior passing of PHGY 209, students should note that they may have some initial difficulties because of lack of familiarity with some basic concepts introduced in PHGY 209) Physiology of the auto-

nomic nervous system; cardiovascular, respiratory, digestive and renal systems; exercise physiology.

RELG 270 RELIGIOUS ETHICS AND THE ENVIRONMENT.(3) (Fall: Macdonald Campus. Winter: Downtown.) Survey of issues and debates in environmental ethics. The challenge posed to human and religious values by the present ecological crisis and some ethical and religious responses to this challenge, Native American spirituality, Eastern and African religions, ecofeminism and liberation theology will be discussed, as will recent environmental debates concerning technology and large scale development projects. Lectures supplemented by guest speakers and audiovisual presentations.