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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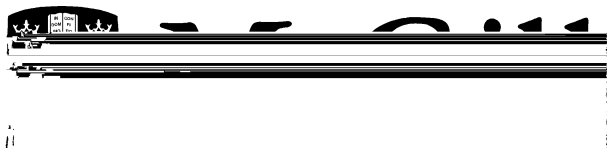
Cover:

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:



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.

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

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.

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

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.

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.			

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**

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. 7,5			

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		

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		includings.
June 13, Fri.	LEC EXAM	NURS	including examinations) for 1lB.Sc.(Ny.g students.
June17, Fri.	STAGE		

including examinations) for1T yearMedicine students.
ures. June243, Fri.

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

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

As of May2004

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

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.

1020 Pine Av.26e West, Montreal, QC H3A 1A2
C

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 bio-business 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.

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 A

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 mecha-
nisms underlying tolerance to environmental stimuli which represent a threat to the host integrity and which can lead0 -9.75 td Avenue, RoC

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

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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.

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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.

www.nc

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.

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6.7.2 51sC care in comsT Customer SNrvices (ICS)

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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

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

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1 The Fac

1.1 Location

Faculty of Dentistry
Strathcona Anatomy
3640 University Stree
Montreal, QC H3A 2B
Canada

Telephone: (514) 398-722
Fax: (514) 398-8900
Fax: (Admissions) (514) 398-
E-mail: undergrad.dentistry@m
Web site: www.mcgill.ca/dentistry

1.2 Administrative Officers

FACULTY

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

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

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)

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 wri33.7 Tj 09

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 page 5. 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 I. Basic 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

to students of high academic standing. Applicants must be enter-

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 3oth 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

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

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:

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.

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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 G
, C e emphasis on ceed8 Tc 0 Tw (A) Tj 4.5 0 TD 0 TD -0.252 Tc (S) Tj 4.5 0 TD /F1 7.5 Tf 0 Tc 0.165 Tw ( ) Tj 2.25 0 TD /F1 6 Tf 0.168 Tc 5 4.5 0 TD /F1ti

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. R URGERY. Y

GE2 Y. R URGE

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)

Complementary Courses (8 – 14 credits)

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:

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

Thesis Component – Required (30 credits)

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.(Loy921d* 0.2824 Tc(C))j 9.75 -9 , F.RSc.,i829 Tc Cz
Mar. Boxdir& Remov..U.), Lond..iy W. Headmowycz; BSir G.Wms.Loy921d* 0.2D.S., I
McG.), MNeuchAsslBoston), .(C)k IS Muiatfennein; B.Sc., D.Dich.(.2Mein; BG.),PD.o
M, Ph.D.(McG.)
.2Mein;Sc.D., Cert. Endo.(Boston),
C), F.I.C.D., F.A.C.D.C)Tc .WasD.S., Mich.(.2824 Tc(C)55 0 -9 43 90870

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.)
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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.)
G

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.)

Table of Contents

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

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.

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.

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 sigoT(A) Tj 5. Tc (O)vi Tj 3.7tm whooT(he broad748 Tc -0.1096 Tw (S)5282 by the Student Aid Odicine in good aca-)Sill Awa496d by

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, 9 TD 0.3111 Tc -0.0628 Tw (Federation of Medical Women of Can

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 VOLUNTEER STABILIZATION FUND

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.

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 with-

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

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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

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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

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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

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INDS 161J3 INTRODUCTION

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

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

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

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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
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Associate Professors — P.E.Barre, R.F.Gagnon
Assistant Professors — P.A.Bourgouin, R.Cacere, S.Prakash, D.Shum-Tim
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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
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Assistant Professor — L.Collins, J. Nadeau, S.Prakash, M.Tabrizian

J.Henderson, V. Hirsh, G. Honos, J. How, A. Huang, T.Hudson, T. Huynh Thanh, M. Jabbari, A. Kahn, S. Kahn, M.A. Kapusta, A. Karaplis, S.S. Katz, P. Kavan, A.Kendall, J. Kimoff, D.G. Kinnear, L. Knight, L. Kovacs, R.H.Kreisman, R. Lalonde, P. Laneuville, S. Legault, M.Laughrea, E. Lee, M. Libman, M. Lipman, V. Loo, R.Mackler, E. MacNamara, I. Malcolm, D. Malo, R. Mangel, S.Marcovitz, A. Marelli, D.G.F. Marpole, E. Matouk, N. Mayo, T.W. Meagher, S. Meltzer, R. Menzies, M. Miller, S. Mishkin, S.Morin, B. Moroz, D. Morris, J. Mort, S. Nattel, M.Newkirk, E. O' Brien, M. Olivier, G. Ostiguy, R. Palfree, K.Pantopoulos, A. Peterson, B. Petrof, J. Pickering, L. Pilote, J.Portnoy, J. Prchal, R. Prichard, M. Rabinovitch, J. Ragaz, J.T. Ratner, J.E. Rauch, P. Rene, S. Richardson, C.P. Rose, A.Rosenberg, M. Rosengarten, D. Sasseville, J. Schulz, E.Schurr, A. Schwab, M. Schweitzer, S.K.K. Seah, J.D.Shannon, D. Small, P. Small, M. Smilovitch, G. Spurll, R.St Arnaud, P. Szego, H. Tannenbaum, P. Tonin, P.Tousignant, A. Towers, M. Trifiro, B. Turcotte, B. Unikowsky, M. Vasilevsky, S. Vidal, B. Ward, N.B. Whittemore, G. Wild, S.Wing, N. Wolkove, X.J. Yang, H. Zackon, Y. Zang, A.Zidulka, J. Zidulka

Assistant Professors — S. Ades, J. Agulnik, S. Ali, P.Assimakopoulos, C. Autexier, A. Azuelos, Y. Bacher, V. Baffis, R. Bailey, A. Balbul, N. Bandrauk, G. Bartlett, L. Bayne, J.P.Beaudry, Y. Beaudry, M. Behr, M. Beique, L. Beitel, R.Benoit, N. Bernard, A. Bianchini, G. Blake, V. Blank, M.Blostein, S. Blum, A. Blumenthal, M. Bonnycastle, J.Bourbeau, P. Bourgouin, A. Brassard, P. Brassard, A.Brown-Johnson, J. Buithieu, R. Bunea, J. Buss, J. Cameron, W. Carey, L. Chalifour, C. Chalk, K. Champagne, H. Chang, W. Chiu, J.Chrome, B. Chrysler, M. Churchill-Smith, P. Cleland, A.Cohen, J. Cohen, R. Cohen, V. Cohen, C. Couture, J. Cox, A. Cumyn, W. Cupples, R. Dabrusin, D. Da Costa, R.Dandurand, H. Daoud, K. Dasgupta, C. Davies, J.S.Delaney, A. Demirjian, N. Dendukuri, M. Deschenes, K.Dewar, S. Dial, D. Doell, P. Doran, K. Doyle, L. Dragatakis, S. Dube, G. Duque, J. Eid, J.D. Elie, C. Ells, M. Elizov, E.Elstein, J. Elstein, J. Engert, R. Evanson, C. Fallone, J.Falutz, S. Feldman, L. Filiatrault, E. Fixman, M. Fournier, J.N.Fox, R. Foxford, D. Franchimont, G. Friedman, R.Friedman, G. Frisch, M. Fujiwara, S.H. Fung, B. Gagnon, A.Galal, J. Galipeau, N. Garceau, N. Garfield, G. Gaudreault, A. Giannakis, N. Giannetti, F. Gilbert, B. Gilfix, W. Glannon, S.Gold, G. Goldman, M. Gotte, R. Gougeon, C. Greenaway, M.Greenwood, A. Gursahaney, T. Hadjis, R. Haichin, W.Hammouda, G. Hatzakis, C. Haston, P. Heilpern, N.Hilzenrat, I. Hings, A. Hirsch, R. Horn, D. Hornstein, M.Hudson, G. Inglis, S. Iqbal, D. Jayaraman, B. Jean-Claude, T. Kader, D. Keith, M. Khanna, M. Klein, T. Kohn, M. Kornbluth, D. Kostiuk, J. Krasny, A. Kristof, C.F. Kudo, U. Kumar, S.L.Kwee, S. Lachance, A-L Lafontaine, M. Laliberte, E.Lamoureux, Y. Lapierre, S. Laporte, D. Laporta, N. Larente, L. Larose, E. Laryea, P.V. Latour, B. Laufer, C. Laurin, A.-M.Lauzon,C. Lauzon, K. Lawlor, H. Layrea, P. Lebel, R.Leblanc, J.-J. Lebrun, C. Legler, W. Leith, S. Lemay, G.Levesque, C. Liang, R. Lin, M. Lipnowski, J-L Liu, D. Lussier, L. Luterman, A.J. Maclean, S. Mahanty, T. Maniatis, S. Mannix, C. Maranda, M. Marcil,. F. Marcotte, S. Mayrand, T. McConnell, L. Meissner, P. Melanson, D. Miao, C. Michel, C. Mindru, R. Molinari, J.Monette, J. Morais, L. Moreau, G. Morelli, S.T. Morin, A.Mouland, K.K. Murai, K. Nguyen, L. Ofiara, R. Olivenstein, M.Olivier, L. Opatrny, N. Ozen, M. Palaic, M. Palayew, J.Parent, F. Patenaude, K. Pehr, J.P. Pelletier, J. Penrod, V.Petropoulos, M. Pham, C. Pineau, H.Z. Pomerantz, D.Portnoy, P. Proulx, S. Qureshi, B. Rabinovitch, M.Radhakrishna, J. Raffoul, D. Rahal, E. Rahme, R. Rajan, Y.Rao, A. Recklies, S. Richard, J.A. Rivera Ramirez, A. Rize, A. Rize, x, Y. ecklies, S. Richarddal, E.AelCtrTD 056 Tw Tc -0uCcharddal, 7.2816 Tc

Neurology and Neurosurgery
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Assistant Professors — M. Angle, J. Atkinson, A. Bar-Or, A.Bernasconi, L. Collins, M.E. Dilenge, L. Durcan, E. Fon, A.Fournier, D. Gendron, A. Genge, B. Goulet, M.C. Guiot, L.Jacques, K. Johnston, D. Klein, A. Koch, T. Kolivakis, A.L.Lafontaine, M. Lechter, T.G. Leonard, M. Maleki, E. Meyer, F. Moore, K. Murai, M.S. Mzengeza, M. Panisset, H. Paudel, L.Pedraza, C. Poulin,, Y. Rao, J.-P. Roy, J. Rubin, F. Salevsky, W. Shan, D. Sinclair, C. Sirard, D. Sirhan, L. Soualmi, A.Strafella, V. Sziklas, D. Trojan, D. van Meyel, M. Veilleux, L.Vieira, F. Wien, T. Wein
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Adjunct Professors — Z. Argov, S. Berkovic, M.Castro-Alamancos, F. Cendes, N. De Stefano, L. Descarries, J. Doyon, G. Duncan, M. Edwards, M. Ferns, R.Gilbert, A. Gjedde, R.Gunn, J. Hardy, C. Holmes, J.P.Julien, S. Kalra, K. Kaplan, P. Matthews, L. McKerracher, F. Miller, M. Molnar, M. Pandolfo, T. Peters, M. Ptito, L.F.Quesney, Y. Robitaille

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Neurologist-in-Chief — J.Stewart
Neurosurgeon-in-Chief — A.Olivier

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Neurologist-in-Chief — G.M.Bray
Neurotrauma-in-Chief — M. Maleki (Acting)

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Neurologist-in-Chief — C.Melmed
Neurosurgeon-in-Chief — G.Mohr

Obstetrics and Gynecology
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687 Pine Avenue West, Montreal, QC, H3A 1A1

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Emeritus Professor
Professors — A. Ferenczy, C. Gagnon, M.M. Gelfand, R. Kinch, B.P. Murphy, A. Papageorgiou, B. Robaire, B. Sherwin, T.Tulandi, R. Usher, H. Zingg
Associate Professors — J. Arseneau, K. Barrington, A. Benjamin, M.E. Boyd, M.F. Chen, H. Clarke, E.B. de Koos, P. Desjardins, R. Farag, R. Farookhi, D. Faucher, P. Fournier, L. Gilbert, P.Gillett, E. Hamilton, R. Hemmings, A.K. Joshi, S. Khalife, S.Krishnamurthy, M. Martin, S. Meltzer, L. Morin, D. Morris, V.M. Senikas, R. Shatz, G. Spurll, G. Stanimir, S. Weeks, D.M.Willis
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Lecturers — B. Bodmer, S. Bodnar, A. Climan, C. Fortin, R.Frydman, I. Girard, M. Guralnick, G. Mallough, N. Mansour, K. Maraghi, L. Monton, L. Seropian, J. Shinder
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Assistant Professors — S. Martin, L. Patry
Lecturers — G. Desbiens, P. Dubé, J.P. Gauvin
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Adjunct Professors — D. Amre *(Hôpital Ste-Justine)*, I. Arnold *(Alcan)*, S. Arnold *(Consultant)*, P. Auger, M. Baillargeon *(Montreal Chest Hospital)*, L. DeGuire, A. Dembe *(Massachusetts)*, L. Drouin, D. Gautrin *(Hôpital Sacré-Coeur)*, C. Martin *(U.West Virginia)*, B. Pant *(Concordia)*, G. Perrault *(IRSST)*, R. Robillard, J. Siemiatycki*(Institut Armand Frappier)*, S. Stock *(Direction de la Santé Publique)*, C.Tremblay *(Santé Publique-Montérégie)*, W. Wood *(Environmental Safety)*

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L.Koclas, L. Kovacs, P. Krishnamoorthy, R. Lalonde, D. Leduc,
L. Legault, C. Lejtenyi, D. Levesque, S. MacDonald, A. Mackie,

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Emeritus Professor — A.R.C. Dobell
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W.F. Schloss, 2w (Assoc Jedn0.3hoteDJohz 0yrtsoKl zeJohn0 -1hoteDKeyserAntgkt334 naudD 0.38la07.5 Tf4380, H.B. Khee Tp9 TrmeKimoff, I CouKuzm T2

SCHOOL OF COMMUNICATION SCIENCES AN

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. S[illegible] (3) The

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)

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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

Second Year (U2) – Required Courses (36 credits)

Third Year (U3) – Required Courses (28 credits)

Elective Courses (6 credits)

The first year (U0) of the 139-credit program consists of the following courses:

U0 Required Courses (30 credits)

U0 Complementary Courses (3 or 4 credits)

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

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

Regulations Concerning Clinical Placements

An effort is made to place students within reasonable traveling dis-

WF – ***Withdrew failing:*** a course dropped, with special permission in exceptional case, after faculty deadline for with-

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 YOU

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)

Complementary Courses (15 to 27 credits)

QUALIFYING YEAR (41 credits)
(non-nurse applicants entering with B.A. or B.Sc.)

***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

5.4

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See the

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 suc.75 TD 0.30t No credit will be

r should consult the401 0.33 Tc232.165 TQUALIFYING PROGRAMding D1 and D2 re3534STudents 884 w (P)

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.

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S.M.Henry; B.S., P.T., Ph.D.(Vt)

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.

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 GMeBgemenothe marginally rk allonde supplemental result will notb Tj 0 -9.75 TD 0.3044 Tc -0.113nexllonde suppluse9n(9D 0.268 Tc ch was usead4d duG

Supplemental Examinations

U2 Complementary Courses (9 credits))

U3 Required Courses (31 credits)

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

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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

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 4340 TNated 1n conD /F1 7.53 Tw (uk. TTw ((3) (4.5 TD -0.168 Tc (I) Tj 2.252f8D -0.1PHTH 4340 TNated 1n conD3o3y Tj 4.5 0 TD -0.168 Tc (

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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

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 patholob normal aTDuman mng in rewnivebe us rehab yeomentand

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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)Research)

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 Second-

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

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 Limopleent. Amethemenin d12.75 TD /F160 Tw (U) and ins 0.ticsnt 68

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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 spect T3109DSC 300 F
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