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## 1 The Faculty

### 1.1 Location

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

Telephone: (514) 398-7227  
Fax: (514) 398-8900  
Email: hogan@med.mcgill.ca

### 1.2 Administrative Officers

#### FACULTY

JAMES P. LUND, B.D.S.(Adelaide), Ph.D.(W.Ont.) **Dean**  
MARIE DAGENAIS, D.M.D.(Montr.), Dip.Rad.(Tor.)  
**(Acting) Associate Dean (Academic Affairs)**

MARC D. McKEE, B.Sc., M.Sc., Ph.D.(McG.)  
**Associate Dean (Research)**

PETER J. CHAUVIN, B.Sc., D.D.S.(McG.), M.Sc.(W.Ont.),  
F.R.C.D.(C.) **Director (Graduate Clinical Programs)**

NORMAN M. MILLER, B.Sc., D.D.S.(McG.) **Director**  
**(Community Relations)**

JEFFREY M. MYERS, B.Sc., D.D.S.(McG.) **Director**  
**(Undergraduate Clinical Programs)**

HÉLÈNE HOGAN **Administrative Assistant**  
**(Student Affairs)**

#### MULTIDISCIPLINARY RESIDENCY DIRECTORS

STEPHANE SCHWARTZ, D.M.D.(Montr.), M.Sc.Cert.Pedo.  
(Boston), F.I.C.D., F.A.C.D.  
**Montreal Children's Hospital**

PETER J. CHAUVIN, B.Sc., D.D.S.(McG.), M.Sc.(W.Ont.),  
F.R.C.D.(C.) **Montreal General Hospital**

NORMAN M. MILLER, B.Sc., D.D.S.(McG.)  
**Queen Elizabeth Health Complex**

ANTOINE CHEHADE, B.Sc., D.D.S., M.Sc.(McG.)  
**Royal Victoria Hospital**

MELVIN SCWARTZ, B.Sc., D.D.S.(McG.)  
**Sir Mortimer B. Davis-Jewish General Hospital**

### 1.3 History

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

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

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

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

## 2 General Information

### 2.1 Admission Procedures and Requirements

Application for admission to the Faculty of Dentistry must be made on the University and Faculty forms which may be obtained from the Administrative Assistant (Student Affairs) or printed from the Web (<http://www.mcgill.ca/dentistry>).

As the number of students in each class is limited, application should be made early and in any case not later than the fifteenth of November for applicants whose residence is outside of Quebec, the first of February for residents of Quebec applying to the four-year program, and the first of March for residents of Quebec applying to the five-year program. All documents, including transcripts and letters of recommendation, must be submitted by these deadlines. Each application must be accompanied by a non-refundable fee of \$60 in the form of a certified cheque or money order payable to McGill University. The results of all prerequisite subjects *must* be submitted to this Faculty prior to *June 1* for August registration.

Canadian applicants are required to undertake the Canadian Dental Association Aptitude Test and have the results sent to the Faculty. Students applying to the four-year program must complete this Test in the Fall *prior* to their application year. Students applying to the five-year program are advised to attempt this Test in the Fall. 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.

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, 454 Place Jacques Cartier, Fifth Floor, Montreal, Quebec H2Y 3B3. Telephone (514) 873-5647.

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

A reservation fee of \$250 is payable by Province of Quebec applicants within 15 days of the receipt of notice that the student has been accepted for admission; all other accepted applicants must pay a reservation fee of \$1,000. This fee will be credited towards the applicant's University fees, but *will not be returned* if the student fails to register.

The language of instruction is English.

#### 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 semesters 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 semesters) 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 semesters) 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.

A maximum of four applications is permitted, coinciding with academic progress.

**Specific requirements.** These consist of the following courses and the Dental Aptitude Test; one year (two semesters) 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 or cell and molecular biology 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 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.

The *côte de rendement au collégial (côte r)* is used in making the final decisions. A *côte r* of 32000 or higher would be considered competitive.

Required courses are:

- Biology 301, 401 (*101-NYA-05 and equivalent to 401*)
- Chemistry 101, 201, 202 (*202-NYA-05, 202-NYB-05 and equivalent to 202*)
- Mathematics 103, 203 (*201-NYA-05 and 201-NYB-05*)
- Physics 101, 201, 301 (*203-NYA-05, 203-NYB-05 and 203-NYC-05*)

(*New CEGEP course numbers are given in parentheses.*)

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.

Applicants not admissible to the Dent-P program:

- Applicants who are completing a Diploma of Collegial Studies in more than two years are not eligible to apply.
- 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. Following the successful completion of this year, determined by a promotions committee, students proceed into the first year of the four-year program.

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 (e.g., B.A., B.Sc.). All applicants are advised to make application for an alternative program. This can be done by submitting a separate application which must be obtained from

and returned to the Admissions, Recruitment and Registrar's Office.

## 2.2 Five-Year 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 proceed into the first year of the four-year program.

### Required Courses (6 credits)

|          |     |                             |
|----------|-----|-----------------------------|
| 177-200A | (3) | Molecular Biology           |
| 177-201B | (3) | Cell Biology and Metabolism |

### Elective Courses (24 credits)

preferably in Humanities.

A student who has not taken Chemistry 302 in CEGEP will also be required to take an equivalent Organic Chemistry course.

## 2.3 Entrance to Advanced Standing

All applicants must apply to the four-year program. 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, 401-359 Kent Street, Ottawa, ON K2P 0R7 for information concerning the special programs which are offered at some Canadian dental schools. McGill University does not offer a qualifying program.

## 2.4 Award of McGill B.Sc. Degree

Students who have entered this Faculty from the Faculty of Science at McGill University shall be eligible to receive a B.Sc. degree upon completion of the dental degree provided that they have completed a minimum of 60 credits of a 90-credit program (90 credits of a 120-credit program) while registered in the Faculty of Science and have fulfilled the requirements of a degree program. Students wishing to be considered must submit a written application to the office of the Associate Dean of Science at least four months before Convocation.

## 2.5 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.

## 2.6 Licensure Requirements

### 2.6.1 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, which is fully described in the combined General Information section of this Calendar. Candidates who wish to practise elsewhere in Canada must also successfully complete the National Dental Examining Board comprehensive examinations.

### 2.6.2 Provincial Dental Boards

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

Alberta – Executive Registrar, Alberta Dental Association,  
101- 8230 105th Street, Edmonton, AB, T6E 5H9

British Columbia – Registrar, College of Dental Surgeons of British Columbia, 500-1765 West 8th Avenue, Vancouver, BC, V6J 5C6

Manitoba – Registrar, Manitoba Dental Association, 103-698 Corydon Avenue, Winnipeg, MB, R3M 0X9

New Brunswick – Registrar, New Brunswick Dental Society, 520 King Street, Suite 820, P.O. Box 488, Station A, Fredericton, NB, E3B 4Z9

Newfoundland – Registrar, Newfoundland Dental Board, 139 Water Street, 6th Floor, St. John's, NF, A1C 1B2

Nova Scotia – Registrar, Provincial Dental Board of Nova Scotia, 5991 Spring Garden Road, #602, Halifax, NS, B3H 1Y6

Ontario – Registrar, Royal College of Dental Surgeons of Ontario, 6 Crescent Road, 5th Floor, Toronto, ON, M4W 1T1

Prince Edward Island – Registrar, Dental Association of Prince Edward Island, 184 Belvedere Avenue, Charlottetown, PE, C1A 2Z1

Quebec – Executive Director and Secretary, Ordre des Dentistes du Québec, 625 René-Lévesque Boulevard West, Fifteenth Floor, Montréal, QC, H3B 1R2

Saskatchewan – Registrar, College of Dental Surgeons of Saskatchewan, 202-728 Spadina Crescent East, Saskatoon, SK, S7K 4H7

### 2.6.3 National Dental Examining Board of Canada

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

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

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

### 2.6.4 National Dental Examining Board of the U.S.

Students intending to practise in the United States are advised to contact the Secretary, Council of the National Board of Dental Examiners, American Dental Association, 211 East Chicago Avenue, Chicago, Illinois 60611. Information should also be obtained from the Secretary of the licensing board of the specific state in which the student intends to practise.

## 2.7 Registration

Registration for the 2000-01 session will be by MARS (McGill's Automated Registration System). Information including dates and forms for payment of fees will be forwarded in the summer.

## 2.8 Vaccination

For information on the requirements, see [page 9](#).

# 3 Scholarships, Awards and Financial Aid

## 3.1 Entrance Scholarships

Each year a limited number of Entrance Scholarships are awarded by the University 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*, which may be obtained from the Admissions, Recruitment and Registrar's Office or by accessing the Office website (<http://www.aro.mcgill.ca>)

**DR. YU-MING LAM SCHOLARSHIP**, established in 1999 by Dr. Yu-Ming Lam, D.D.S. class of 1972, and family, in honor of Mr. Yin-Bun Lam, for students entering the four-year dentistry

program. This scholarship will be awarded on the basis of high academic achievement by the Faculty of Dentistry and is renewable provided the holder maintains an academic standing established by the Faculty. Value: \$3,000.

#### PING KWAN LAU SCHOLARSHIP

### 劉秉鈞獎學金

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

## 3.2 Medals and Prizes

### FOURTH YEAR:

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

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

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

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

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

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

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

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

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

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

**3M CANADA CLINICAL AWARD**, awarded by the Faculty of Dentistry to a Fourth Year student who has demonstrated excellence in the use of conservative, aesthetic restorative materials in the clinical undergraduate program.

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

### THIRD YEAR:

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

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

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

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

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

### SECOND YEAR:

**DR. W.C. BUSHELL AWARD**, presented to the student attaining the highest overall standing in the Diseases/Dysfunction of the Oro-facial Complex unit in the second year of the dental curriculum.

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

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

**DR. I.K. LOWRY AWARD**, presented to the student attaining the highest overall standing in the Management of Diseases/Dysfunction of the Oro-facial Complex unit in the second year of the dental curriculum.

**DR. K.I. MELVILLE AWARD**, presented to the student attaining attaining the highest overall standing in The Healthy Patient unit in the second year of the dental curriculum.

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

### FIRST YEAR:

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

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

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

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

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

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

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

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

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

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

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

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

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

The Faculty of Dentistry is well aware of the many awards and prizes that are offered to students through various academies, associations and commercial dental manufacturers. However, due to Faculty policy which was initiated by the Dental Students' Society, students are eligible only for prizes and awards that are endorsed by Faculty and listed in the Health Sciences Calendar.

### 3.3 Loans

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

L'Ordre des Dentistes du Québec has created a loan fund to assist students of the Faculty who are registered with the Order. The W.R. Aird Loan Fund, W.K. Kellogg Foundation Loan Fund,

the Dental Students' Society Dean D.P. Mowry Memorial Fund, and the Dr. Stan Small Memorial bursary are available to assist any student registered in the Faculty.

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

### 3.4 Graduate Fellowships and Awards

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

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

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

**DR. YU-MING LAM FELLOWSHIP**, established in 1999 by a generous gift from Dr. Yu-Ming Lam, D.D.S. class of 1972, and family, in honour of Mr. Yin-Bun Lam. This Fellowship will be awarded by the Faculty of Dentistry to an entering postdoctoral, doctoral or master's student in the Faculty of Dentistry.

#### DR. WAH LEUNG FELLOWSHIP

#### 梁甦華牙醫獎學金

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

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

### 4.1 Curriculum Outline

\* It should be understood that this curriculum is subject to change without notice.

#### CYCLE I – BASIS OF MEDICINE AND DENTISTRY

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

#### CYCLE I - BOM AND DENTISTRY

| Sept.  | Oct.   | Nov. | Dec. |
|--|--|------|------|
| Unit 7<br>Host<br>Defence<br>& Host<br>Parasite<br>(3 weeks) | Unit 8<br>Pathobiology, Treatment &<br>Prevention of Disease<br><br>(13 weeks) |      |      |
| Unit 9 ITPD<br>(Introduction to the Practice of Dentistry)   |  |      |      |

#### CYCLE II – PRECLINICAL STUDIES

| Jan.                               | Feb. | March | April | May | June                            | July | Aug. |  |
|------------------------------------|------|-------|-------|-----|---------------------------------|------|------|--|
| Unit 10 Oral Health                |      |       |       |     | Summer<br>Vacation/<br>Research |      |      |  |
| Unit 11 Oral Disease               |      |       |       |     |                                 |      |      |  |
| Unit 12 Management of Oral Disease |      |       |       |     |                                 |      |      |  |
| Unit 13 Dental Public Health       |      |       |       |     |                                 |      |      |  |

**CYCLE III – CLINICAL STUDIES – DENTISTRY III & IV**

| Sept.    | Oct.                         | Nov. | Dec.                       | Jan.     | Feb.                         | March | April                 | May      | June                         | July | Aug.                       |                              |                                       |
|----------|------------------------------|------|----------------------------|----------|------------------------------|-------|-----------------------|----------|------------------------------|------|----------------------------|------------------------------|---------------------------------------|
| 590-310H | Clinical Practice            |      | 2<br>w<br>e<br>e<br>k<br>s | 590-337B | Clinical Decision Making     |       | 1<br>w<br>e<br>e<br>k | 590-337B | Clinical Decision Making     |      | 2<br>w<br>e<br>e<br>k<br>s | 590-314C<br>Summer<br>Clinic | 2<br>to<br>3<br>w<br>e<br>e<br>k<br>s |
| 590-319D | Dental Pharmacology          |      |                            | 590-310H | Clinical Practice            |       |                       | 590-310H | Clinical Practice            |      |                            |                              |                                       |
| 590-305H | Dental Public Health         |      |                            | 590-319D | Dental Pharm.                |       |                       | 590-319D | Dental Pharm.                |      |                            |                              |                                       |
| 590-311H | Endodontics                  |      |                            | 590-305H | Dental Pub. Health           |       |                       | 590-305H | Dental Pub. Hlth             |      |                            |                              |                                       |
| 590-321D | Fixed Prosthodontics         |      |                            | 590-311H | Endodontics                  |       |                       | 590-311H | Endodontics                  |      |                            |                              |                                       |
| 590-322A | Image Interpretation         |      |                            | 590-339E | Implant Dentistry            |       |                       | 590-321D | Fixed Prosthodontics         |      |                            |                              |                                       |
| 590-336D | Operative Dentistry          |      |                            | 590-336D | Operative Dentistry          |       |                       | 590-339E | Implant Dentistry            |      |                            |                              |                                       |
| 590-317D | Oral Pathology & Medicine    |      |                            | 590-317D | Oral Pathology & Medicine    |       |                       | 590-336D | Operative Dentistry          |      |                            |                              |                                       |
| 590-323H | Oral & Maxillofacial Surgery |      |                            | 590-323H | Oral & Maxillofacial Surgery |       |                       | 590-317D | Oral Pathology & Medicine    |      |                            |                              |                                       |
| 590-315H | Orthodontics                 |      |                            | 590-315H | Orthodontics                 |       |                       | 590-323H | Oral & Maxillofacial Surgery |      |                            |                              |                                       |
| 590-316D | Pediatric Dentistry          |      |                            | 590-316D | Pediatric Dentistry          |       |                       | 590-315H | Orthodontics                 |      |                            |                              |                                       |
| 590-318H | Periodontology               |      |                            | 590-318H | Periodontology               |       |                       | 590-316D | Pediatric Dent.              |      |                            |                              |                                       |
| 590-320D | Removable Prosthodontics     |      |                            | 590-320D | Removable Prosthodontics     |       |                       | 590-318H | Periodontology               |      |                            |                              |                                       |
| 590-330D | Rotations                    |      |                            | 590-330D | Rotations                    |       |                       | 590-330D | Rotations                    |      |                            |                              |                                       |

| Sept.    | Oct.  | Nov. | Dec.                       | Jan.     | Feb.   | March | April |
|----------|---|------|----------------------------|----------|--|-------|-------|
| 590-409D | Advanced Restorative Dent.  |      | 2<br>w<br>e<br>e<br>k<br>s | 590-409D | Advanced Restorative Dentistry                         |       |       |
| 590-437D | Clinical Decision Making  |      |                            | 590-437D | Clinical Decision Making                               |       |       |
| 590-410D | Clinical Practice   |      |                            | 590-410D | Clinical Practice<br>Oral Pathology Seminar            |       |       |
| 590-405D | Dental Public Health<br>Career Options<br>Practice Administration |      |                            | 590-405D | Dental Public Health<br>Jurisprudence                  |       |       |
| 590-411D | Endodontics Seminar   |      |                            | 590-423D | Oral & Maxillofacial Surgery<br>Oral Pathology Seminar |       |       |
| 590-423D | Oral & Maxillofacial Surgery<br>Oral Pathology Seminar            |      |                            | 590-415D | Orthodontics   |       |       |
| 590-415D | Orthodontics  |      |                            | 590-416D | Pediatric Dentistry                                    |       |       |
| 590-416D | Pediatric Dentistry   |      |                            | 590-430D | Rotations  |       |       |
| 590-418D | Periodontology Tutorials  |      |                            |          |  |       |       |
| 590-430D | Rotations   |      |                            |          |  |       |       |

**4.2 Evaluation**

The evaluation system is under constant review by the Faculties of Medicine and Dentistry. The Faculties reserve the right to change rules and regulations at any time, although in general such changes will not come into effect in the middle of an academic year/promotion period.

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

**BASIS OF MEDICINE AND DENTISTRY – CYCLE I**

**Promotion Period I**

Units 1 to 6

Unit 9: Introduction to the Patient

**Promotion Period II**

Units 7 and 8

Unit 9: Introduction to the Practice of Dentistry

**PRECLINICAL STUDIES – CYCLE II**

**Promotion Period III**

Unit 10 Oral Health

Unit 11 Oral Disease

Unit 12 Management of Oral Disease

Unit 13 Dental Public Health

**CLINICAL STUDIES – CYCLE III**

**Promotion Period IV**

Clinical Studies in third year

**Promotion Period V**

Clinical Studies in fourth year

**4.2.1 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.

For the course Clinical Practice 590-310H, there will be six evaluation periods. A student receiving a failing evaluation during one evaluation period may be placed on "Probationary Status" during Promotion Period IV. The probationary status implies that the student requires specific attention in order to address areas of weakness. The student will be required to meet on a regular basis with the Associate Dean for Academic Affairs and may be asked to gain extra experience in the deficient area(s). A student placed on probation is automatically reviewed by the Student Promotions Committee and the subsequent course will be determined by that body. 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 complete all courses successfully to graduate.

For the course Clinical Practice 590-410D, there will be four evaluation periods. A student receiving a failing evaluation during one evaluation period may be placed on "Probationary Status" during Promotion Period V. The probationary status implies that the student requires specific attention in order to address areas of weakness. The student will be required to meet on a regular basis with the Associate Dean and may be asked to gain extra experience in the deficient area(s). A student placed on probation is automatically reviewed by the Student Promotions Committee and the subsequent course will be determined by that body. Options include continued probation, repeat of the promotion period, or required withdrawal.

**4.2.2 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 than two courses will be permitted to write supplemental examinations in the course(s) failed, with the exception of the *Clinical Practice* courses. If the students 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 Quebec 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 is found in the bylaws of the hospitals through which students rotate.

The Faculty's evaluation system is under constant review.

**4.2.3 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 exam-

inations 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.

#### 4.2.4 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.

#### 4.3 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 numerical grade, the letter grade and the class average for each course offered by the Faculty of Dentistry.

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

| Percentages | Letter Grades | Grade Points |
|-------------|---------------|--------------|
| 85 – 100    | A             | 4.0          |
| 80 – 84     | A-            | 3.7          |
| 75 – 79     | B+            | 3.3          |
| 70 – 74     | B             | 3.0          |
| 65 – 69     | B-            | 2.7          |
| 60 – 64     | C+            | 2.3          |
| 0 – 59      | F             | 0            |

Class standing will be determined on the GPA computed by using the following formula:

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

#### 4.4 University Regulations Concerning Final Examinations

Listed below are University Regulations which were approved by Senate on September 30th, 1987 and which have been modified for the Faculty of Dentistry.

- 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.
- Written examinations (including take-home examinations) shall not be held during the last two weeks of scheduled classes prior to a scheduled examination period, except where a pattern of continuous evaluation has been established, in which case the total value of examinations given in this period shall comprise no more than 10% of the final mark.

The dates of the scheduled examination periods in the Faculty of Dentistry are listed in the timetables which are given to the students at Faculty Registration.

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

#### 4.5 Faculty Advisory System

The Dental Students' Society will select four or five members of the Faculty who have agreed to serve as student/class advisers. Freshman students will be notified before the commencement of classes as to who their adviser will be.

#### 4.6 Attendance

Students are encouraged and expected to attend all lectures, seminars, small groups, laboratories and clinical sessions.

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

Students who have failed to attend 75% of the lectures, seminars, or laboratories in any course/unit may be refused the right to attempt the final examination in that course.

#### 4.7 Qualifications for the Degree

- Candidates for the degree of Doctor of Dental Surgery/ Doctor of Dental Medicine shall have attended courses of instruction for four full sessions in the Faculty of Dentistry of this University.
- Every candidate for the degree shall provide evidence of satisfactory completion of all of the required subjects which comprise the dental curriculum.

**Note:** To reflect the increase in curricular content of basic science and medical courses in recent years, the Faculty has requested that the degree program be renamed. The change, to Doctor of Dental Medicine (D.M.D.), is in the final stages of University approval.

#### 4.8 Multidisciplinary Residency Program

A multidisciplinary residency program is offered at five of the McGill teaching hospitals: the Montreal Children's Hospital, the Montreal General Hospital, the Queen Elizabeth Health Complex, the Royal Victoria Hospital, and the Sir Mortimer B. Davis-Jewish General Hospital. Positions are available each year starting July 1.

Applicants for these positions must submit their applications to the Faculty by September 30 of the previous year. Further details may be obtained by writing to the Multidisciplinary Residency Program at the Faculty of Dentistry, McGill University.

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

## 5 Courses of Instruction

### 5.1 Cycle I – Basis of Medicine and Dentistry

#### Unit 1 – Molecules/Cells/Tissues – 524-101A

This unit will examine the biosynthesis and assembly of macromolecules 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 – Gas, Fluid & Electrolytes – 524-103A

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 – Life Cycle – 524-105A

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 – Endocrinology/Metabolism/Nutrition – 524-104B

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 – Musculoskeletal/Blood – 524-102B

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 – Nervous System & Special Senses – 524-106C

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 – Host Defence & Host/Parasite Relationships – 524-207G

Infectious diseases arise from dynamic interactions between humans and microorganisms. Using lectures, case-oriented small groups, laboratory sessions, and independent learning, an integrated overview of the basic microbiology of organisms, our immune defenses and how they may be subverted, and approaches to the prevention and control of infection will be provided.

#### Unit 8 – Pathobiology Treatment & Prevention of Disease – 524-208A

This unit covers the scientific basis of the diagnosis, prevention and drug therapy of selected diseases. The organ/system approach examining pathogenesis, pathology and pathophysiology, and pharmacological principles of treatment of diseases in the

individual is integrated with the epidemiology and genetics in the population.

#### Unit 9 – Introduction to the Patient – 590-106H / Introduction to the Practice of Dentistry – 590-207A

This course addresses the psychological social dimensions of human nature in health and illness. Lectures are supplemented by small group experience to introduce students to the practice of dentistry via exposure to health care teams clinical settings and provides a forum to discuss psychosocial and ethical aspects of practice. The second component is an introduction to clinical data gathering – particularly interviewing and history taking. Lecture format followed by small group practice with tutors will be used to study doctor-patient relationships. This course follows the Introduction to the Patient course.

### 5.2 Cycle II – Preclinical Studies

#### Unit 10 – Oral Health – 590-202B

(6 credits) This course deals with the anatomy, growth and development of the oro-facial region including the teeth. The composition and function of saliva, the normal oral microflora and some physiology in relation to the oro-facial complex are also covered.

**Dr. Shields and staff**

#### Unit 11 – Oral Diseases – 590-203B

(3 credits) This course discusses all aspects of the most common diseases of the oro-facial complex: caries, periodontal, pulpal and periapical diseases from their etiology to their detection. Craniofacial dysmorphology and growth and development problems will also be discussed.

**Dr. Klemetti and staff**

#### Unit 12 – Management of Oral Diseases – 590-204E

(25 credits) This course addresses the management of the conditions discussed in 590-203B as well as principles of oral medicine and radiology. It contains a heavy laboratory component in which the students will acquire the technical skills required for treating patients.

**Dr. Lamontagne and staff**

#### Unit 13 – Dental Public Health – 590-205E

(4 credits) This course is designed to provide students with a broad understanding of the theory and principles of public health, behavioural sciences, communication skills, ethical and legal issues relevant to clinical practice. A basic understanding of the theory and practice of health promotion and the opportunities to promote oral health and prevent disease at an individual and population level will be discussed. This includes epidemiology, a knowledge of the structure and organization of the health system (in particular the key features, characteristics and issues affecting the dental care system in Canada), the theory of statistics and skills needed to apply basic statistical methods to oral health data in order to critically interpret the statistical contents of research findings, human nutrition and its implications in the prevention of dental caries.

**Dr. Allison and staff**

### 5.3 Cycle III – Clinical Studies

#### Advanced Restorative Dentistry

**FOURTH YEAR (590-409D)** (2 credits) This course will focus on didactic and theoretical aspects of the clinical management of more complex restorative challenges that the senior students might expect to encounter in their final year clinical program or in private practice following graduation. **Dr. Blomfield and staff**

#### Clinical Decision Making

**THIRD YEAR (590-337B)** (2 credits)

**FOURTH YEAR (590-437D)** (2 credits)

Development of a treatment plan for patients requiring complete mouth restoration involving multidiscipline restorative procedures with an emphasis on clinical decision making. **Dr. Allison and Dr. Schwartz**

**Clinical Practice****THIRD YEAR (590-310H)** (12 credits)**FOURTH YEAR (590-410D)** (11 credits)

Multidisciplinary approach to comprehensive patient care concerning diagnosis and treatment planning for patients at the McCall Dental Clinic.

**Dr. Myers and staff****Community Clinics****THIRD YEAR (590-313B)** (1 credit)

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

**Dr. Wiseman and staff****Dental Pharmacology**

**THIRD YEAR (590-319D)** (3 credits) A study of the drugs that have special application to dentistry including general anaesthesia.

**TBA and staff****Dental Public Health****THIRD YEAR (590-305H)** (3 credits)**FOURTH YEAR (590-405D)** (3 credits)

A short history of dentistry, the role of, and career possibilities for, dentists, geriatric dentistry, clinical nutrition, practice management, ethics and jurisprudence, with practical experience in the use of evidence-based and preventive health care techniques.

**Dr. Allison and staff****Endodontics**

**THIRD YEAR (590-311H)** (3 credits) Microbiology and immunology, pathology, histology, oral surgery, and dental anatomy as they apply to endodontics.

**FOURTH YEAR (590-411D)** (2 credits) Seminars given throughout the Fourth Year.

**Dr. Borsuk and staff****Image Interpretation****THIRD YEAR (590-322A)** (1 credit)

Image interpretations of various conditions affecting the head and neck region.

**Dr. Dagenais and staff****Implant Dentistry**

**THIRD YEAR (590-339E)** (2 credits) This series of lectures will cover topics related to: patient selection, surgical and prosthetic techniques, implant maintenance, biomaterials and biomechanics, and current implant research. Students will have the opportunity to observe the surgical aspects of implant dentistry during their Oral Surgery rotation. A hands-on course allows the student to identify and assemble implant components in a laboratory environment.

**Dr. Head and staff****Oral and Maxillofacial Surgery****THIRD YEAR (590-323H)** (3 credits)**FOURTH YEAR (590-423D)** (2 credits)

Diagnosis and management of the oral surgical problems encountered in general practice.

**Dr. Head and staff****Oral Pathology and Medicine**

**THIRD YEAR (590-317D)** (3 credits) The nature, identification, and management of diseases affecting the oral and maxillofacial regions.

**Dr. Chauvin and staff****Orthodontics****THIRD YEAR (590-315H)** (2 credits)**FOURTH YEAR (590-415D)** (3 credits)

Basic principles of growth and development, diagnosis and treatment planning, biomechanics and basic orthodontic techniques with clinical experience in preventive, interceptive and limited corrective treatments.

**Dr. Kopytov and staff****Pediatric Dentistry**

**THIRD YEAR (590-316D)** (4 credits) Oral health, oral medicine, prevention, and management of oral disease including restorative procedures in children.

**FOURTH YEAR (590-416D)** (4 credits) This course comprises lectures, seminars reviewing pertinent literature, and clinical treatment of children at the McCall Dental Clinic. The aim of this course is to teach the students comprehensive dental care for children.

**Dr. Schwartz and staff****Periodontology****THIRD YEAR (590-318H)** (3 credits)**FOURTH YEAR (590-418D)** (2 credits)

Emphasis is on practical treatment including occlusal, sanative, curative and preventative modalities.

**Dr. Touyz and staff****Prosthodontics****Operative Dentistry**

**THIRD YEAR (590-336D)** (2 credits) Clinical instruction in: diagnosis and treatment planning; prevention and preventive treatment strategies; the "biomechanical" treatment for diseased and/or traumatized tooth structure; the anatomical restoration of individual teeth in the adult dentition to physiologic form and function with the restorative materials generally used by the dental practitioner.

**Dr. Blomfield and staff****Fixed Prosthodontics**

**THIRD YEAR (590-321D)** (2 credits) Fixed prosthodontic procedures are performed within the overall treatment of clinical patients. Lectures, seminars, and references from the periodic literature complement clinical experience to increase the knowledge and understanding of fixed prosthodontics.

**Dr. Lamontagne and staff****Removable Prosthodontics**

**THIRD YEAR (590-320D)** (2 credits) Examination, diagnosis, treatment planning, and management with removable prosthesis of the partially or completely edentulous patient.

**Dr. Klemetti and staff****Rotations**

**THIRD YEAR (590-330D)** (2 credits) Internship in Oral Diagnosis and Exodontia Clinic.

**FOURTH YEAR (590-430D)** (1 credit) Internship in Exodontia/Emergency Clinic.

**Dr. Myers and staff****Summer Clinic/Externship**

**THIRD YEAR (590-314C)** (3 credits) Summer Clinic concentrates on the treatment and management of patients, including patients with handicaps. Externships and research projects for an equal duration are acceptable alternatives with prior approval from the course director.

**Dr. Myers and staff****Table Clinics**

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

**Dr. Miller**

## 6 Graduate Programs

### 6.1 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, Department of Oral Biology, for further details.

**M.Sc. 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 cer-

tain 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.

## 6.2 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 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 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.

## 6.3 Application Procedures

### 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 Faculty of Graduate Studies and Research.

Deadline for receipt of the completed application is March 1 for Fall; and November 1 for Winter.

Applications may be obtained by writing to Office of the Associate Dean, Graduate Studies and Research, Faculty of Dentistry.

### M.Sc. 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, Interim Director of the program.

Further information may be obtained by writing to Graduate Program in Oral and Maxillofacial Surgery, Faculty of Dentistry, McGill University, 3640 University Street, Montreal, Quebec H3A 2B2.

## 6.4 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, Fifteenth Floor, Montreal, Québec H3B 1R2.

### M.SC. IN DENTAL SCIENCES

The M.Sc. degree should normally be completed within 2 years of full-time study.

#### Required Courses (7 credits)

513-607A (3) Principles of Inferential Statistics in Medicine (or equivalent course)

4 credits, one graduate seminar

590-671D Graduate Seminars in Dental Sciences  
590-771D Graduate Seminars in Dental Sciences

#### Suggested Complementary Courses (8 – 14 credits)

590-562B (2) Calcified Tissues  
590-654B (3) Mechanisms and Management of Pain  
504-632D (6) Experimental Morphology  
504-663D (9) Histology  
177-524B (3) Topics in Molecular Biology of the Gene

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:

590-650A,B,C (3) Thesis Research Course I  
590-651A,B,C (6) Thesis Research Course II  
590-652B,C,D,E,G (9) Thesis Research Course III  
590-653A,B,D,K (15) Thesis Research Course IV

### M.SC. IN ORAL AND MAXILLOFACIAL SURGERY

Duration: Four calendar years commencing July 1. The following courses are included in the program:

590-611C,D (9) Oral and Maxillofacial Surgery I Seminars  
590-612C,D (24) Oral and Maxillofacial Surgery I Clinical  
590-613C,D (3) Anatomy/Surgical Anatomy  
590-621C,D (12) Anaesthesia  
590-622A,C,D (6) General Surgery  
590-623A,C,D (4) Surgical Intensive Care Unit  
590-624A,C,D (4) Emergency  
590-625A,C,D (6) Internal Medicine  
590-626A,C,D (4) Pathology  
590-631D (9) Oral and Maxillofacial Surgery II Seminars  
590-632D (3) Oral and Maxillofacial Surgery II Clinical  
590-633D (24) Research (including thesis)  
590-641D (9) Oral and Maxillofacial Surgery III Seminars  
590-642D (18) Oral and Maxillofacial Surgery III Clinical  
590-643AD (6) Oral and Maxillofacial Surgery III Trauma  
590-644C,D (3) Surgical Elective

## 6.5 Courses for the M.Sc. in Dental Sciences

### 590-671D AND 590-771D GRADUATE SEMINARS IN DENTAL SCIENCES.

(4) One advanced research seminar every week over the fall and winter terms given by invited local and out-of-town speakers on their current research in Oral Biology.

**Course Coordinator:**  
**Dr. E.D. Shields and staff**

**590-562B CALCIFIED TISSUES.** (3) (3 hours of lecture supplemented by 1 hour laboratory or conferences) An advanced course on the morphology and cell biology of calcified tissues. This course provides a problem-oriented analysis of research on the structure and mechanism of formation of connective tissue, cartilage and bone, but with particular emphasis on the tissues of the tooth.

**Course Coordinators:**  
**Dr. H. Warshawsky and Dr. C.E. Smith**

**590-650A,B,C THESIS RESEARCH I.** (3) Independent work under the direction of a supervisor on a research problem in the student's designated area of research.

**Course Coordinators:**  
**Research Supervisors**

**590-651A,B,C THESIS RESEARCH II.** (6) Independent work under the direction of a supervisor on a research problem in the student's designated area of research.

**Course Coordinators:**  
**Research Supervisors**

**590-652B,C,D,E,G THESIS RESEARCH III.** (9) Independent work under the direction of a supervisor on a research problem in the student's designated area of research.

**Course Coordinators:**  
**Research Supervisors**

**590-653A,B,D,K THESIS RESEARCH IV.** (15) Independent work under the direction of a supervisor on a research problem in the student's designated area of research.

**Course Coordinators:**  
**Research Supervisors**

**590-654B MECHANISMS AND MANAGEMENT OF PAIN.** (3) 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.

**Course Coordinators:**  
**Dr. M.C. Bushnell and Dr. A. Vainio**

## 7 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, H3A 2B2.

## 8 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. Joan A. de Vries; B.A.(Dal.), M.D.,C.M.(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)  
James P. Lund; B.D.S.(Adelaide), Ph.D.(W.Ont.)  
Charles E. Smith; D.D.S., Ph.D.(McG.)

### Associate Professors

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.  
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)  
Robert J.C. David; D.D.S.(McG.), F.I.C.D., F.A.G.D.  
Charles T. Dixter; B.Sc.(McG.), D.M.D.(Montr.), Cert.Pedo.(Tufts)  
Jocelyne S. Feine; D.D.S., M.S.(Texas), H.D.R.(France)  
George Harasymowycz; B.Sc.(Loyola), D.D.S., Dip.Pros.(Rest.Dent.) (McG.), M.S.D., Cert. Fixed & Remov. Part. Pros.(Ind.)  
Timothy W. Head; B.Sc.(Sir G.Wms.), D.D.S., M.Sc.(McG.), F.R.C.D.(C), Dipl. A.B.O.M.S.  
E. Melvyn Hershenfield; B.Sc., D.D.S.(McG.), M.Sc.D.(Boston), F.R.C.D.(C), F.I.C.D., F.A.C.D.  
Pierre Lamontagne; B.A., D.M.D.(Montr.), M.S.(Mich.), M.R.C.D.(C)  
Harvey L. Levitt; B.Sc., D.D.S.(McG.), Cert.Ortho.(Montr.), F.R.C.D.(C), F.I.D.S.A., F.I.C.D., F.A.C.D.  
Marc D. McKee, B.Sc., M.Sc., Ph.D.(McG.)  
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Melvin Schwartz; B.Sc., D.D.S.(McG.), F.I.C.D.  
Stephane Schwartz; D.M.D.(Montr.), M.Sc., Cert.Pedo. (Boston), F.I.C.D., F.A.C.D.  
Edward D. Shields; B.Sc., D.D.S., Ph.D.(Ind.)  
Stanley Skoryna; M.D.(Vienna), M.Sc., Ph.D.(McG.)  
Edward Slapcoff; B.Sc., D.D.S.(McG.), F.R.C.D.(C)  
Louis Z.G. Touyz; B.D.S., M.Sc.(Dent), M. Dent (POM) (Witwatersrand)  
Martin Tyler; B.S.(Ohio), D.D.S.(Howard), M.A.(G.Wash.), Dipl.A.B.O.M., Dipl.A.B.O.M.R., F.A.C.D.  
Morris H. Wechsler; B.Sc., D.D.S.(McG.), Cert.Ortho.(Montr.), F.R.C.D.(C), F.I.C.D., Dipl.A.B.O.

### Associate Members

Erika G. Gisel; B.A.(Zurich), B.S.,M.S.,Ph.D.(Temple)  
Eric P. Millar; D.D.S.(McG.), Dip.Oral Surg.(Penn.), F.R.C.D.(C), F.I.C.D., F.A.C.D.  
Hershey Warshawsky; B.Sc.(Sir G.Wms.), M.Sc., Ph.D.(McG.)

### Assistant Professors

Paul J. Allison; B.D.S., F.D.S.R.C.S., M.Sc.(Lond.), Ph.D.(McG.)  
Peter G. Ayoub; B.Sc., D.D.S.(McG.)  
Stanley S. Blum; B.Sc., D.D.S.(McG.)  
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Marie Dagenais; D.M.D.(Montr.), Dip. Rad.(Tor.)  
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 Gordon L. Roberts; D.D.S.(McG.), M.Sc., Cert.Pedo.(Ohio)  
 Joseph A. Rotondo; B.Sc., D.D.S.(McG.)  
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 Melvin Sandler; B.Sc., D.D.S.(McG.)  
 Bruce A. Schneider; B.Sc.(McG.), A.M.(Ind.), D.D.S.(McG.)  
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Avrum F. Sonin; B.Sc., D.D.S.(McG.)  
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 Donald Taylor; D.D.S.(McG.), M.Cl.D.(W.Ont.), Dipl.A.B.O., F.R.C.D.(C), F.I.C.D.  
 Yazdi S. Turner; B.D.S.(Bombay), D.D.S. (McG.)  
 Evangelia Valavanis; D.D.S.(McG.)  
 Daphna M. Vermes; B.Sc., D.D.S.(McG.)  
 Nicolino Vincelli; B.Sc.(C'dia), D.D.S.(McG.)  
 C. Linda Wiltshire; B.Sc.(Montr.), D.D.S.(McG.)  
 Michael A. Wiseman; B.Sc.(C'dia), D.D.S.(McG.)

#### Adjunct Professors

Anne Charbonneau; D.M.D., M.Sc., Ph.D.(Montr.)  
 Jon Kapala; B.S., D.M.D.(Tufts), Cert.Pedo., Cert.Ortho. (Boston), F.A.C.D.  
 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.)  
 Ed Sacher; B.Sc.(C.C.N.Y.), Ph.D.(Penn. State)