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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: undergrad.dentistry@mcgill.ca
 Website: <http://www.mcgill.ca/dentistry/>

1.2 Administrative Officers

FACULTY

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

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

JOCELYNE S. FEINE, D.D.S., M.S.(Texas),
 H.D.R.(Auverne) **Director (Graduate Programs)**

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

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

PETER J. CHAUVIN, B.Sc., D.D.S.(McG.), M.Sc.(W.Ont.),
 F.R.C.D.(C.) **Chair, Admissions Committee**

PATRICIA BASSETT **Administrative Assistant
(Student Affairs)**

MULTIDISCIPLINARY RESIDENCY DIRECTORS

STÉPHANE SCHWARTZ, D.M.D.(Montr.), M.Sc.Cert.Pedo.
 (Boston), F.I.C.D., F.A.C.D.

Montreal Children's Hospital
 NORMAN M. MILLER, B.Sc., D.D.S.(McG.)
Queen Elizabeth Health Complex

ANTOINE CHEHADE, B.Sc., D.D.S., M.Sc.(McG.)
Royal Victoria Hospital and Montreal General Hospital

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

1.3 History

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

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

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

To reflect the increase in curricular content of basic science and medical courses in recent years, the Faculty

requested that the degree program be renamed. The change, to Doctor of Dental Medicine (D.M.D.), received University approval in the Spring of 2000.

2 General Information

2.1 Admission Procedures and Requirements

The application for admission to the Faculty of Dentistry for the academic year 2003-04 will be available on-line in the fall of 2002 at <http://www.mcgill.ca/applying/>. Please consult this site, or the Faculty of Dentistry site <http://www.mcgill.ca/dentistry>, for the most recent application procedures.

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

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

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

Canadian applicants are required to take the Canadian Dental Association Aptitude Test (DAT) and have the results sent to the Faculty. Students applying for admission to the four-year program in 2003 must complete this Test in the Fall *prior* to December 1, 2002. 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 website, <http://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, 454 Place Jacques Cartier, Fifth Floor, Montreal, QC H2Y 3B3. Telephone (514) 873-5647.

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

For students accepted into the four-year program for the academic year 2003-04, 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, 2003.

For students accepted into the Dent-P program for the academic year 2003-04, 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 July 15, 2003.

Deadlines for receipt of applications for admission to the 2003-04 academic year are:

November 15, 2002 –
for applicants whose residence is outside the province of Quebec.

January 15, 2003 –
for residents of Quebec applying to the four-year program.

March 1, 2003 –
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 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.

Applicants not admitted on the basis of a first application may submit a second application. Applicants making a third application to the four-year program are rarely successful and are strongly discouraged from applying.

Specific requirements

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, 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 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 (cote r)* is used in making the final decisions. A *cote r* 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.

Applicants not admissible to the Dent-P 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.

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 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)

BIOL 200 (3) Molecular Biology
BIOL 201 (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

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 K1R 6G8 or refer to their Web site <http://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 Examinations.

Students who are presently enrolled in a faculty of dentistry in Canada or the United States may enter 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.

2.4 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.

2.5 Licensure Requirements

2.5.1 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.

2.5.2 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,
5075 Yonge Street, Suite 405, Toronto, ON, M2N 6C6

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, 15th floor,
Montréal, QC, H3B 1R2. Website: <http://www.odq.qc.ca>

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

2.5.3 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. Website: <http://www.ndeb.ca>

2.5.4 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. Website: <http://www.ada.org>

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

2.6 Registration

Registration for the 2002-03 session will be by Minerva, McGill's web-based registration system at <http://www.mcgill.ca/minerva-students>.

Information including dates and forms for payment of fees will also be forwarded in the summer.

2.7 Compulsory Immunization Program

The basic compulsory immunization program is outlined on [page 9](#). 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. This will prevent the student from completing the clinical requirements of the program. Students who know themselves to be seropositive for Hepatitis B and/or C have an obligation to notify the Dean's Office immediately upon entry into the program. 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, <http://www.mcgill.ca>.

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

PING KWAN LAU SCHOLARSHIP

劉秉鈞獎學金

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

3.2 In-course Scholarships

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

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

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

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

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

DR. EARL LERNER FACULTY SCHOLARSHIP, established in 2000 by a generous gift from Dr. Earl Lerner (D.D.S. 1963) for an undergraduate student currently enrolled in the D.M.D. program. This Scholarship will be awarded on the basis of high academic achievement, by the Faculty of Dentistry. Value: \$2,000.

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

3.3 Medals and Prizes

FOURTH YEAR:

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

DR. J.K. CARVER AWARD, donated by l'Ordre des Dentistes du Québec, awarded to the student in the final year attaining the sec-

ond highest overall standing in the four years of the dental undergraduate program.

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

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

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

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

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

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

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

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

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

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

THIRD YEAR:

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

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

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

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

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

SECOND YEAR:

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

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

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

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

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

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

FIRST YEAR:

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

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

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

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

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

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

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

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

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

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

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

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

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

The Faculty of Dentistry is well aware of the many awards and prizes that are offered to students through various academies,

associations and commercial dental manufacturers. However, due to Faculty policy which was initiated by the Dental Students' Society, students are eligible only for prizes and awards that are endorsed by Faculty and listed in the *Health Sciences Calendar*.

3.4 Loans

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

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

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

3.5 Dental Officer Training Plan

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

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

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

Full details of the Dental Officer Training Plan may be obtained from the Commanding Officer, Canadian Forces Recruiting Centre, 1420 Sainte Catherine Street West, Montreal, QC H3G 1R3. Telephone (514) 390-4999.

3.6 Graduate Fellowships, Awards and Prizes

DR. LYON BERCOVITCH MEMORIAL AWARD, established by a bequest from Olga Bercovitch in memory of her husband, Dr. Lyon Bercovitch (D.D.S. 1914). Awarded by the Faculty of Dentistry to a student pursuing graduate studies in dentistry. Value: 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. 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. 1972) and family, in honor of Mr. Yin-Bun Lam. This Fellowship will be awarded by the Faculty of Dentistry to an entering postdoctoral, doctoral or master's student in the Faculty of Dentistry. Value: minimum \$10,000.

DR. SOO KIM LAN PRIZE IN DENTISTRY

蘇金蘭醫生獎學金

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

DR. WAH LEUNG FELLOWSHIP

梁甦華牙醫獎學金

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.

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

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

4.1 Curriculum Outline

* 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 Molecules, Cells & Tissues (4 weeks)	Unit 2 Gas, Fluids & Electrolytes (9 weeks)	Unit 3 Life Cycle (3 weeks)	Unit 4 Endocrinology, Metabolism & Nutrition (7 weeks)	Unit 5 Musculo- skeletal & Blood (4 weeks)	Unit 6 Nervous System & Special Senses (8 weeks)	Unit 7 Host Defense & Host Parasite (5 weeks)	Summer Vacation/ Research				
Unit 9 – ITP (Introduction to the Patient)											

CYCLE I - BOM AND DENTISTRY

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

CYCLE II – PRECLINICAL STUDIES

Jan.	Feb.	March	April	May	June	July	Aug.	
Unit 10 Oral Health					Summer Vacation/ 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.
DENT 310	Clinical Practice		2	DENT 337	Clinical Decision Making	1	DENT 337	Clinical Decision Making	2	DENT 314	2
DENT 319	Dental Pharmacology		w	DENT 310	Clinical Practice	w	DENT 310	Clinical Practice	w	Summer	to
DENT 305	Dental Public Health		e	DENT 313	Community Clinics	e	DENT 313	Comm. Clinics	e	Clinic	3
DENT 311	Endodontics		k	DENT 319	Dental Pharm.	k	DENT 319	Dental Pharm.	k		w
DENT 321	Fixed Prosthodontics		s	DENT 305	Dental Pub. Health		DENT 305	Dental Pub. Hlth			e
DENT 322	Image Interpretation			DENT 311	Endodontics		DENT 311	Endodontics			k
DENT 336	Operative Dentistry			DENT 339	Implant Dentistry		DENT 321	Fixed Prosthodontics			s
DENT 317	Oral Pathology & Medicine			DENT 336	Operative Dentistry		DENT 339	Implant Dentistry			
DENT 323	Oral & Maxillofacial Surgery			DENT 317	Oral Pathology & Medicine		DENT 336	Operative Dentistry			
DENT 315	Orthodontics			DENT 323	Oral & Maxillofacial Surgery		DENT 317	Oral Pathology & Medicine			
DENT 316	Pediatric Dentistry			DENT 315	Orthodontics		DENT 323	Oral & Maxillofacial Surgery			
DENT 318	Periodontology			DENT 316	Pediatric Dentistry		DENT 315	Orthodontics			
DENT 320	Removable Prosthodontics			DENT 318	Periodontology		DENT 316	Pediatric Dent.			
DENT 330	Rotations			DENT 320	Removable Prosthodontics		DENT 318	Periodontology			
				DENT 330	Rotations		DENT 330	Rotations			

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

A student receiving a failing evaluation for the course Clinical Practice DENT 310 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 complete all courses successfully to graduate.

A student receiving a failing evaluation for the course Clinical Practice DENT 410 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. 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 compo-

nents. 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.

4.2.3 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 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.

4.2.4 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 letter grade and the class average for each course offered by the Faculty of Dentistry.

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

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

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

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

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 Attendance

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

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

Students who have failed to attend 75% of the lectures, seminars, or laboratories in any course/unit may be refused the right to attempt the final examination in that course. Students missing Clinical Practice sessions can be placed on probation. See Student Promotion section.

4.6 Qualifications for the Degree

- 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.
- 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

Course numbers and term designations have changed effective September 2002; for further information refer to "[Course Numbering System](#)" on page 15 in the General Information section.

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

5.1 Cycle I – Basis of Medicine and Dentistry

UNIT 1 –

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

UNIT 2 –

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

UNIT 3 –

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

UNIT 4 –

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

UNIT 5 –

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

UNIT 6 –

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

UNIT 7 –

INDS 207D1 HOST DEFENSE AND HOST/PARASITE. (6) 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. (6)

UNIT 8 –

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

UNIT 9 –

DENT 106J1 INTRODUCTION TO THE PATIENT. (1.7) This course addresses the psychological social dimensions of human nature in health and illness. Lectures are supplemented by small group experience to introduce students to the practice of dentistry via exposure to health care teams clinical settings and provides a forum to discuss psychosocial and ethical aspects of practice.

DENT 106J2 INTRODUCTION TO THE PATIENT. (1.7)

DENT 106J3 INTRODUCTION TO THE PATIENT. (1.6)

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

5.2 Cycle II – Preclinical Studies**UNIT 10**

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

UNIT 11

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

UNIT 12

DENT 204D1 MGMT DISEASES/DYSF OROFCL COMP. (12.5) This course addresses the management of the conditions discussed in DENT 203 as well as principles of oral medicine and radiology. It contains a heavy laboratory component in which the students will acquire the technical skills required for treating patients.

DENT 204D2 MGMT DISEASES/DYSF OROFCL COMP. (12.5)

UNIT 13

DENT 205D1 DENTAL PUBLIC HEALTH 1. (1.5) 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.

DENT 205D2 DENTAL PUBLIC HEALTH 1. (1.5)

5.3 Cycle III – Clinical Studies**5.3.1 THIRD-YEAR COURSES**

DENT 305J1 DENTAL PUBLIC HEALTH. (1) A short history of dentistry, the role of, and career possibilities for, dentists, geriatric dentistry, clinical nutrition, practice management, ethics and jurisprudence, with practical experience in the use of evidence-based and preventive health care techniques.

DENT 305J2 DENTAL PUBLIC HEALTH. (1)

DENT 305J3 DENTAL PUBLIC HEALTH. (1)

DENT 310J1 CLINICAL PRACTICE. (4) Multidisciplinary approach to comprehensive patient care concerning diagnosis and treatment planning for patients at the McCall Dental Clinic.

DENT 310J2 CLINICAL PRACTICE. (4)

DENT 310J3 CLINICAL PRACTICE. (4)

DENT 311J1 ENDODONTICS. (1) Microbiology and immunology, pathology, histology, oral surgery, and dental anatomy as they apply to endodontics.

DENT 311J2 ENDODONTICS. (1)

DENT 311J3 ENDODONTICS. (1)

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

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

DENT 315J1 ORTHODONTICS. (0.7) Basic principles of growth and development, diagnosis and treatment planning, biomechanics and basic orthodontic techniques with clinical experience in preventive, interceptive and limited corrective treatments.

DENT 315J2 ORTHODONTICS. (0.7)

DENT 315J3 ORTHODONTICS. (0.6)

DENT 316D1 PEDIATRIC DENTISTRY. (2) Oral health, oral medicine, prevention, and management of oral disease including restorative procedures in children.

DENT 316D2 PEDIATRIC DENTISTRY. (2)

DENT 317D1 ORAL PATHOLOGY AND MEDICINE. (1.5) The nature, identification, and management of diseases affecting the oral and maxillofacial regions.

DENT 317D2 ORAL PATHOLOGY AND MEDICINE. (1.5)

DENT 318J1 PERIODONTOLOGY. (1) Emphasis is on practical treatment including occlusal, sanative, curative and preventative modalities.

DENT 318J2 PERIODONTOLOGY. (1)

DENT 318J3 PERIODONTOLOGY. (1)

DENT 319D1 DENTAL PHARMACOLOGY. (1.5) A study of the drugs that have special application to dentistry including general anaesthesia.

DENT 319D2 DENTAL PHARMACOLOGY. (1.5)

DENT 320D1 REMOVABLE PROSTHODONTICS. (1) Examination, diagnosis, treatment planning, and management with removable prosthesis of the partially or completely edentulous patient.

DENT 320D2 REMOVABLE PROSTHODONTICS. (1)

DENT 321D1 FIXED PROSTHODONTICS. (1) 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.

DENT 321D2 FIXED PROSTHODONTICS. (1)

DENT 322 IMAGE INTERPRETATION. (1) Image interpretations of various conditions affecting the head and neck region.

DENT 323J1 ORAL AND MAXILLOFACIAL SURGERY. (1) (Diagnosis and management of the oral surgical problems encountered in general practice.

DENT 323J2 ORAL AND MAXILLOFACIAL SURGERY. (1)

DENT 323J3 ORAL AND MAXILLOFACIAL SURGERY. (1)

DENT 330D1 ROTATIONS. (1) Internship in Oral Diagnosis and Exodontia Clinic.

DENT 330D2 ROTATIONS. (1)

DENT 336D1 OPERATIVE DENTISTRY. (1) on 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.

DENT 336D2 OPERATIVE DENTISTRY. (1)

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

DENT 339D1 IMPLANT DENTISTRY. (1) 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.

DENT 339D2 IMPLANT DENTISTRY. (1)

5.3.2 FOURTH-YEAR COURSES

DENT 405D1 DENTAL PUBLIC HEALTH. (1.5) A short history of dentistry, the role of, and career possibilities for, dentists, geriatric dentistry, clinical nutrition, practice management, ethics and jurisprudence, with practical experience in the use of evidence-based and preventive health care techniques.

DENT 405D2 DENTAL PUBLIC HEALTH. (1.5)

DENT 409D1 ADVANCED RESTORATIVE DENTISTRY. (1) This course will focus on didactic and theoretical aspects of the clinical management of more complex restorative challenges that the senior students might expect to encounter in their final year clinical program or in private practice following graduation.

DENT 409D2 ADVANCED RESTORATIVE DENTISTRY. (1)

DENT 410D1 CLINICAL PRACTICE. (5.5) Multidisciplinary approach to comprehensive patient care concerning diagnosis and treatment planning for patients at the McCall Dental Clinic.

DENT 410D2 CLINICAL PRACTICE. (5.5)

DENT 411D1 ENDODONTICS. (0.5) Seminars given throughout the Fourth Year.

DENT 411D2 ENDODONTICS. (0.5)

DENT 415D1 ORTHODONTICS. (1.5) Basic principles of growth and development, diagnosis and treatment planning, biomechanics and basic orthodontic techniques with clinical experience in preventive, interceptive and limited corrective treatments.

DENT 415D2 ORTHODONTICS. (1.5)

DENT 416D1 PEDIATRIC DENTISTRY. (2) This course comprises lectures, seminars reviewing pertinent literature, and clinical treatment of children at the McCall Dental Clinic. The aim of this course is to teach the students comprehensive dental care for children.

DENT 416D2 PEDIATRIC DENTISTRY. (2)

DENT 418D1 PERIODONTOLOGY. (1) Emphasis is on practical treatment including occlusal, sanative, curative and preventative modalities.

DENT 418D2 PERIODONTOLOGY. (1)

DENT 423D1 ORAL AND MAXILLOFACIAL SURGERY. (1) Diagnosis and management of the oral surgical problems encountered in general practice.

DENT 423D2 ORAL AND MAXILLOFACIAL SURGERY. (1)

DENT 430D1 ROTATIONS. (0.5) Internship in Exodontia/Emergency Clinic.

DENT 430D2 ROTATIONS. (0.5)

DENT 437D1 CLINICAL DECISION MAKING. (1) Development of a treatment plan for patients requiring complete mouth restoration involving multidiscipline restorative procedures with an emphasis on clinical decision making.

DENT 437D2 CLINICAL DECISION MAKING. (1)

TABLE CLINICS

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

CARDIOPULMONARY RESUSCITATION

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

6 Multidisciplinary Residency Program

A multidisciplinary residency program is offered at five of the McGill teaching hospitals: the Montreal Children's Hospital, the Montreal General Hospital, the Queen Elizabeth Health Complex, the Royal Victoria Hospital, and the Sir Mortimer B. Davis-Jewish General Hospital. Positions are available each year starting 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, 3640 University Street, Montreal QC H3A 2B2 or visiting the web site at <http://www.mcgill.ca/dentistry>.

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

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

7 Graduate Programs

7.1 Programs Offered

M.Sc. in Dental Sciences

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

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

M.Sc. in Dental Sciences, option in Oral and Maxillofacial Surgery

A residency training program in Oral and Maxillofacial Surgery provides a candidate with a comprehensive background for the practice of Oral and Maxillofacial Surgery as a specialty.

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

The program is open to one candidate per year.

7.2 Admission Requirements

M.Sc. in Dental Sciences

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

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

M.Sc. in Dental Sciences, option in Oral and Maxillofacial Surgery

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

7.3 Application Procedures

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

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.

Deadline for receipt of the completed application is December 30 for Fall and September 1 for Winter.

Applications may be obtained by writing to the Graduate Program in Dental Sciences, Faculty of Dentistry, McGill University, 3640 University Street, Montreal, QC H3A 2B2.

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, McGill University, 3640 University Street, Montreal, QC H3A 2B2.

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, Fifteenth Floor, Montreal, QC H3B 1R2.

M.SC. IN DENTAL SCIENCES

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

Required Courses (8 credits)

EPIB 607	(4)	Inferential Statistics (or equivalent course)
DENT 671D1	(2)	Graduate Seminars in Dental Sciences 1
DENT 671D2	(2)	Graduate Seminars in Dental Sciences 1

Complementary Courses (8 – 14 credits)

chosen from the following:

ANAT 632D1	(3)	Experimental Morphology
ANAT 632D2	(3)	Experimental Morphology
ANAT 663D1	(4.5)	Histology
ANAT 663D2	(4.5)	Histology
BIOC 404	(3)	Biophysical Chemistry
BIOC 450	(3)	Protein Structure and Function
BIOC 454	(3)	Nucleic Acids
BIOC 456	(3)	Biochemistry of Membranes
BIOL 524	(3)	Topics in Molecular Biology of the Gene
DENT 562	(3)	Calcified Tissues
DENT 654	(3)	Mechanisms and Management of Pain
EPIB 606	(4)	Epidemiology: Principles and Methods
EPIB 611	(3)	Measurement in Health Care Research
EPIB 621	(3)	Data Analysis in Health Sciences 1
EPIB 635	(3)	Clinical Trials
EPIB 655	(3)	Public Health Research
EPIB 681	(3)	Data Analysis in Health Sciences 2
EXMD 610	(3)	Methods in Biomedical Research
POTH 630	(3)	Measurement in Rehabilitation 2
PSYC 505	(3)	The Psychology of Pain

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

Thesis Research Courses (24 – 30 credits)

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

DENT 650	(3)	Thesis Research 1
DENT 651	(6)	Thesis Research 2
DENT 652	(9)	Thesis Research 3
DENT 653	(15)	Thesis Research 4

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

Duration: Four calendar years commencing July 1.

Students will register in the four-year graduate-training program, which leads to a McGill Certificate of Residency Training.

They will concurrently register with the Graduate and Postdoctoral Studies Office during the Third and Fourth years of the program and complete the requirements for the M.Sc. degree during these two years.

Required Courses (16 credits)

DENT 631	(3)	OMFS 2 Seminar
DENT 632	(3)	Clinical OMFS 2
DENT 641	(3)	OMFS 3 Seminar
DENT 642	(3)	Clinical OMFS 3
EPIB 607	(4)	Inferential Statistics (or equivalent course)

Thesis Component – Required (30 credits)

DENT 651	(6)	Thesis Research 2
DENT 652	(9)	Thesis Research 3
DENT 653	(15)	Thesis Research 4

7.5 Courses for the M.Sc. in Dental Sciences

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

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

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.

DENT has replaced 590 as the prefix for Dentistry courses. The course credit weight is given in parentheses after the title.

- Denotes courses not offered in 2002-03

DENT 562 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.

- DENT 626D1 PATHOLOGY ORAL MAXILLO SRGNS. (2)
- DENT 626D2 PATHOLOGY ORAL MAXILLO SRGNS. (2)

DENT 631 OMFS 2 SEMINAR. (3)

DENT 632 CLINICAL OMFS 2. (3)

May also be available as:
DENT 632D1, DENT 632D2.

DENT 641 OMFS 3 SEMINAR. (3) Advanced seminar presented on a weekly basis on topics pertinent to Oral and Maxillofacial surgery.

DENT 642 CLINICAL OMFS 3. (3)

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 also be available as:
DENT 652D1, 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 also be available as:

DENT 653D1, DENT 653D2;
DENT 653J1, DENT 653J2, 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 GRADUATE SEMINARS IN DENTAL SCIENCES 1. (2) 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.

DENT 671D2 GRADUATE SEMINARS IN DENTAL SCIENCES 1. (2) See DENT 671D1 for course description.

May also be available as:
DENT 671N1, 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, H3A 2B2.
Email: conted.dentistry@mcgill.ca

9 Academic Staff

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