Faculty of Dentistry

Dean’s Office
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E-Mail: info_dent@umanitoba.ca
Website: unmanitoba.ca/faculties/dentistry
Dean: Anthony M. Iacopino
Associate Dean (Academic): Randall Mazurat
Associate Dean (Research): Elliott Scott
Associate Dean (Clinical): Lawrence Stockton
Director of Administration and Finance: Linda Charter
Administrative Assistant: TBA
Student Advisors: Jean Lyon (Admissions), Susan Petras

Chapter Contents

SECTION 1: Academic Staff
SECTION 2: The Profession of Dentistry
SECTION 3: Admission to the Faculty of Dentistry
SECTION 4: Program Requirements and Regulations
SECTION 5: Program Outline
SECTION 6: Course Descriptions

SECTION 1: Academic Staff
Dean Emeriti

Assistant Professor
Schönwetter, D., Dip (Bible Studies) (Columbia Bible Inst), B.Th. (Cdn Mennonite Bible Col), B.A. (Hons), M.A., Ph.D. (Manitoba).

Dental Diagnostic & Surgical Sciences
Professor Emeritus

Senior Scholar

Professors

Associate Professors

Assistant Professors

Instructors

Oral Biology
Professor Emeritus

Senior Scholars

Professors
Blhullar, R.P., B.Sc. (McMaster), Ph.D. (Manitoba); Birek, C., D.D.S. (Turgu-Mures), Ph.D., Dip.Oral Path. (Toronto); Fleming, N., B.Sc. (Belfast), Ph.D. (East Anglia); Gilchrist, J.S.C., B.Sc. (Liverpool), M.Sc. (Alberta), Ph.D. (UBC); Karim, A.C., B.Sc. (Sir George Williams), M.Sc., Ph.D. (McGill); McIsaac, A., B.Sc., Ph.D. (Glasgow); Scott, J.E., B.Sc. (Brandon), M.Sc., Ph.D. (Manitoba).

Associate Professors

Assistant Professors
Banerjee, A., M.Sc., Ph.D. (India); Lo, E., M.D. (Toronto); Chelikani, P., M.Sc.(India), Ph.D. (Manitoba).
Preventive Dental Science

Senior Scholars

Professors

Associate Professors

Assistant Professors

Instructors

Restorative Dentistry

Senior Scholars

Professors

Associate Professors

Assistant Professors

Instructors
Antel, J., D.M.D. (Manitoba); Archer, J., B.Sc., M.Sc., D.M.D. (Manitoba); Auyeung, N., D.M.D., B.Sc.(Dent) (Manitoba); Baluta, J., D.M.D. (Manitoba); Boyko, D., D.M.D. (Manitoba); Boroditsky, C., D.M.D. (Manitoba); Buettner, M., A., D.M.D. (Manitoba), F.I.C.D.; Chen, T., B.Sc. (Honours), D.D.S. (Toronto); Chokalek, E., D.M.D. (Manitoba); Chu, R., D.M.D. (Manitoba); Cissek, K., B.S.C., D.D.S. ( ); Cottick, C., D.M.D. (Manitoba); Debrooni, D., D.M.D. (Manitoba); Deng, D., D.M.D. (Manitoba); Donald, C., D.M.D. (Manitoba); Eng, E., D.M.D. (Manitoba); Fogel, H., D.M.D. (Manitoba); Fornes, M., M.Sc. (Oregon); F.R.C.D. (C); Gill, G., B.Sc., D.M.D. (Manitoba); Gil- martin, T., D.M.D. (Manitoba), M.Sc.(Oregon), F.R.C.D.(C); Haid-Santiago, K., D.M.D. (Manitoba); Hamin, K., D.M.D. (Manitoba); Jay, M., B.Sc., D.M.D., B.Sc. (Dent) (Manitoba); Karpa, M., D.M.D. (Manitoba); Kaufman, R., D.M.D. (Manitoba), CAGS, M.S. (Endo) (Boston); Kells, L., B.N., B.A., D.M.D. (Saskatchewan), M.Dent (Perio) (Manitoba); Kim, A., B.Sc., D.M.D. (Manitoba); Kindrat, D., D.M.D. (Manitoba); Koltek, W.T., B.Sc., D.M.D. (Manitoba); Kulhaha, L., B.Sc., D.M.D. (Manitoba); Lau, L., D.M.D., B.Sc. (Dent) (Manitoba); Lau, R., B.Sc., D.M.D. (Manitoba); Ling, P., B.Sc., D.D.S. (Toronto), M.Sc. (Manitoba); Lischka, K., B.Sc., D.M.D. (Manitoba); Majewski, B., D.M.D. (Manitoba); Mao, P., D.M.D. (Manitoba); McClarty, C., B.Sc., D.M.D. (Manitoba); McIntosh, R., B.Sc., D.M.D. (Manitoba), M.A.Sc. (Dip Pros) (Dalhousie); Mulhern, J., B.A., B.Dent.Sc., M.S.D. (Dublin), Cert.Indo (Indiana); Nepon, M., D.M.D. (Manitoba); Nowakowski, A., B.Sc., D.M.D. (Manitoba); Pesun, S., B.Sc.(Dent) (Manitoba), F.R.C.D.(C), M.Sc., Cert. Endo (Minneso- ta); Rebizant, T., B.Sc., D.M.D. (Manitoba) Cert.Endo (CAGS); Reeve, T., D.M.D. (Saskatchewan); Regula, K., B.Sc., Ph.D., D.M.D. (Manitoba); Rihal, A., D.M.D. (Manitoba); Riyaz, S., D.M.D. (Manitoba); Robertson, R., D.M.D. (Manitoba); Salama, H., B.D.S. (Alexandria), F.D.S., R.C.S. (U.K.), D.M.D. (Manitoba); Scarpino, C., D.M.D. (Manitoba); Scoville, M., B.Sc. (Winnipeg), D.M.D. (Manitoba); Solmundson, K., D.M.D. (Mani- toba), F.I.C.D.; Sroay, K., D.M.D. (Manitoba); Stephen-James, L., B.Sc., D.M.D. (Manitoba); Stockton, H.J., D.M.D., M.B.A. (Manitoba), F.I.C.D.; Stolarzky, G., B.S., D.D.S. (Creighton); Tough, R., D.M.D., (Manitoba); Tsang, R., D.M.D., B.Sc.(Dent) (Manitoba); Van Woensel, M., D.M.D., B.Sc.(Dent), L.L.B. (Manitoba); Warkentin, R., D.M.D. (Manitoba); Weissner, R., D.M.D. (Manitoba); Wood, M., D.M.D. (Manitoba), F.I.C.D.; Wong, E., B.Sc., D.M.D. (British Columbia); Wong, J., D.M.D. (Manitoba); Zhu, R., B.Sc., D.M.D., B.Sc.(Dent) (Manitoba).

SECTION 2: The Profession of Dentistry

The Faculty of Dentistry is dedicated to educating dental, dental hygiene and graduate students in a progressive learning environment, conducting research in oral health, and serving the community and the oral health professions as a source of knowledge and expertise. The faculty serves as a bridge between the fundamental scientific foundation of the profession and its translation into health care for the public. Dentists enhance and promote the total health of patients through oral health management. Dentists are concerned with promoting oral health and preventing and alleviating the effects of oral diseases and conditions in order to contribute to the well-being of their patients.

The curriculum is designed to ensure that students graduate as competent dentists prepared to meet the oral health care needs of their patients. It provides the knowledge of basic biomedical, behavioural and clinical scienc- es and biomaterials, the cognitive and behavioural skills, and the professional and ethical values necessary for practice as a dental profes- sional.

Information on the Dental Hygiene program is in the chapter, School of Dental Hygiene.

Licensing Requirements
A graduate of the Faculty of Dentistry is entitled to apply to the Manitoba Dental Association to obtain a license to practice within the province of Manitoba. For information on licensing requirements and the application process please contact: The Registrar, Manitoba Dental Association, 103 698 Corydon Avenue, Winnipeg, Manitoba R3M 0X9; telephone (204) 988 5300.

National Examining Body
Graduates of this faculty are required to sit a written examination and an objective structured clinical examination during the calendar year of their graduation, administered by the National Dental Examining Board of Can- ada. The NDEB certification granted to graduates who pass these examinations, entitles them to apply for a license to practice in all provinces of Canada. The provinces of Ontario and Quebec have additional require- ments. For information contact: The Registrar, National Dental Examining Board, 203 - 100 Bronson Avenue, Ottawa, Ontario K1R 6G8; telephone (613) 236 5912.

Other Licensing Bodies
For regulations governing licensure in other areas (e.g., other provinces, the United States), candidates are advised to write the licensing body in the province/state in which they are interested.
SECTION 3: Admission to the Faculty of Dentistry

3.1 Degrees Offered
Doctor of Dental Medicine
Minimum time to graduation: Six years (University 1, plus one year, plus four years in the Faculty of Dentistry).

The following is a summary of the admission requirements. Equivalent academic courses completed at recognized universities elsewhere will be considered. All admission requirements, as well as application deadline dates and forms, are included in an application bulletin that is available from the Admissions Office, 424 University Centre; on-line via umanitoba.ca/faculties/dentistry. This information is also posted on the university’s website (umanitoba.ca/faculties/dentistry).

Bachelor of Science (Dentistry)
In addition to the basic professional degree, the faculty offers the Bachelor of Science in Dentistry to interested dental students wishing to undertake research during their undergraduate program. The program is designed to assure that participation in it will not interfere with the student's dental degree. Through active participation in a research program, the students will be given the opportunity to develop skills in applying scientific knowledge to dental practice and an interest in dental research. In addition, the program will serve as a preparatory step for entry into various graduate programs. Information on admission to this program is available from the Dean’s Office and through the Faculty of Dentistry’s web page (umanitoba.ca/faculties/dentistry).

3.2 Course Requirements
After University 1, most students choose the Faculty of Science because the pre-Dentistry requirements easily fit Science degree programs.

Minimum 60 credit hours of pre-Dentistry study including:
- BIO1 1020 and 1030
- CHEM 1300 and CHEM 1310
- CHEM 2210 and 2220
- CHEM 2360 and CHEM 2370 or MBIO 2360 and MBIO 2370
- PHYS 1020 and 1030 or PHYS 1050 and 1070
- 6 credit hours of English
- 24 credit hours of electives, 6 of which must be in the non-applied sciences or non-pure sciences.
- All science courses must include the laboratory component.

Other requirements
High school prerequisites: Chemistry 40S, Mathematics 40S, Physics 40S and Biology 40S.

The 6 credit hours of English satisfies the written English requirement; the mathematics requirement must be met in the first 60 credit hours even though it is not a specific admissions requirement.

The English Canadian Dental Aptitude Test (DAT) must be written.
A personal interview is required.
Admission is competitive.

Information on the admission process may be accessed through the Faculty of Dentistry’s web page (umanitoba.ca/faculties/dentistry) or by requesting an Information Application Bulletin from the Faculty of Dentistry or the University of Manitoba Admissions Office (Enrolment Services).

Selection criteria: Grades, interview and DAT score equally weighted.

3.3 International Dentist Degree Program (IDDP)
The Faculty of Dentistry, University of Manitoba, offers the International Dentist Degree Program (IDDP) to a maximum of 7 graduates of international dental programs that are not accredited by the Commission on Dental Accreditation of Canada. After a 6 to 8 week summer orientation program, students enter the 3rd year of the regular dental program of the Faculty. Upon satisfactory completion of the 3rd and 4th years of the dental program, IDDP participants will be awarded the Doctor of Dental Medicine (DMD) degree. All graduates of DMD programs in Canada, once having passed the National Dental Examining Board of Canada (NDEB) examinations, are eligible for licensure/registration as a dentist in all provinces in Canada.

Requirements for admission/entrance to the IDDP program include: the successful completion, within two years prior to the application deadline, of the Eligibility Examination, sponsored by the Associations of the Canadian Faculties of Dentistry (ACFD); submission of notarised official transcripts of diploma and dental school grades; letters of good standing from appropriate licensing body; autobiographical sketch; names and addresses of three references and a CV (resume).

Applicants, who have not completed Junior and Senior High School (6 years) in North America, must also complete an English language requirement (Requirements are under review, for further information please see the IDDP Applicant Information Bulletin available at the Dean’s Office, or on-line via umanitoba.ca/faculties/dentistry).

Competitive applicants in a given competition will be invited to an On-site Assessment held over a five day period at the Faculty of Dentistry. This assessment will, normally, be held mid-December preceding entry into the program. This assessment consists of a personal interview, a psychomotor skills assessment and an Objective Structured Clinical Examination (OSCE).

Information on admission to this program is available from the Dean’s Office and through the Faculty of Dentistry’s web page (umanitoba.ca/faculties/dentistry).

SECTION 4: Program Requirements and Regulations

All students are asked to note that some academic policies and regulations are under review and are subject to change. Please check the Web Calendar at umanitoba.ca for updated information.

The provisions of the chapter, General Academic Regulations and Requirements, and the chapter, university Policies, apply to all students. In addition, the Faculty of Dentistry has regulations and requirements, published below that apply specifically to its students.

4.1 Instruments Computers and Textbook Software
Students entering the Faculty of Dentistry will be expected to own or purchase a laptop computer and Vital Source Technology software. This expenditure may be approximately $3500 within the first year of the program if the laptop computer has to be purchased. Each following year of the program, students will be required to purchase additional software licensing/updates for a cost of approximately $900/year. These costs replace former textbook expenditures.

Each student, on registering, will be provided with a microscope. Otherwise, students are responsible for the purchase of instruments as may be necessary or required. Over the four years of dentistry, the cost of such instruments is approximately $30,000 (see fee schedule); the bulk of the expenditure is incurred in the first two or three years. Dental Kits are the property of Dental students. The faculty is unable to accept returns of any student computer, software, kit or kit items should a student leave the faculty for whatever reason.

4.2 Immunization and Bloodborne Diseases Policy
Note: This policy is under review. Please consult the Faculty of Dentistry for further information.

All students enrolled in the Faculty of Dentistry must be immunized against the following diseases: diphtheria/tetanus, polio, rubella, measles, mumps, chicken pox and hepatitis B. Students must be tested for tuberculosis if a suspected exposure occurs. Students who cannot be immunized because of allergies or for other reasons must provide a physician’s certificate to verify these reasons.

Before the first day of classes, all students must complete the University of Manitoba Immunization Record Form provided by the Admissions Office. A physician or nurse must sign immunization records. All students are responsible for updating their immunizations as needed.

Students will not be permitted to attend clinics until all immunization requirements are up-to-date.
4.3 CPR Certification
Accepted candidates will be required to show proof of CPR certification by
October 15 of each year. The CPR Certification level required by the Fac-
ulty of Dentistry is: Basic Life Support (BLS) for Healthcare Providers. This
certification must be maintained on a yearly basis up to the date of gradu-

4.4 Financial Aid
A number of loan and bursary funds, including 12 bursaries for first year
students, are available to dental students. Applications and further informa-
tion are available in the Dean’s Office (late September).

4.5 Attendance
See the chapter, General Academic Regulations and Requirements. The
Faculty of Dentistry has additional regulations that can be found in the Stu-
dent Handbook, available on-line via the Faculty’s web page (umanito-
ba.ca/faculties/dentistry).

4.6 Voluntary Withdrawal
Students intending to withdraw from a portion or all of their courses must
report immediately in person or in writing to the Dean’s Office. No fees
will be refunded without the authorization of the dean. Computer Soft-
ware, Computers and Kit fees are non-refundable. See chapter, on General
Academic Regulations and Requirements.

Students who withdraw from the Faculty of Dentistry without notice will
be considered to have terminated their connection with the faculty. If a
subsequent application for registration is approved, they will be required
to conform to the rules and regulations, fee schedules, sequence of cours-
es, etc., in effect at the time of such subsequent application.

In cases where a student is obliged to withdraw after the final date of with-
drawal published in the Calendar because of ill health or other sufficient
reasons, their cases will be considered by the dean of the faculty.

4.7 Required Withdrawal
The Senate of the university has approved bylaws granting certain faculties
and schools the authority to require a student to withdraw on the basis of
unsuitability for the practice of the profession to which the program of
study normally leads. Senate has approved such a bylaw for the Faculty of
Dentistry, and it is available in the Dean’s Office.

4.8 Decisions Concerning Academic
Promotions
The letter grade “D” is the lowest acceptable level of performance in each
undergraduate course leading to the degree of B.D.M. when the work of
any given year is being taken for the first time. (In the case of a repeated
year, the minimum passing grade in each course is “C”.)

A student who has a failing grade registered against him/her may not reg-
ister for the program of the subsequent year, but may, at the discretion of
Dental Faculty Council, be permitted to repeat the failed year.

A minimum term GPA of 2.0 in each year is required to qualify a student
for standing in that year.

A student who fails to obtain a minimum term GPA of 2.0 and who is not
granted supplemental privileges will be considered to have failed the year.

Except by special permission of Dental Faculty Council, no student may re-
peat more than one year in Dentistry, nor may any year be repeated more
than once.

The work requirements of any repeated year may be modified, even in-
creased, at the discretion of the Dental Faculty Council.

The passing grade in each course of a repeated year in Dentistry is “C”.

If a student receives an “F” grade in a fourth year clinical course, they will
be required to register and pay a fee for the entire repeated year, and the
work in that year may be modified or even increased by Dental Faculty
Council.

4.9 Incomplete Standing in the
Faculty of Dentistry
The incomplete “I(F)” designation is restricted to clinical courses.

Successful completion of course requirements is through extended clinics
rather than supplemental assessment.

A student who is unable to complete the quantitative clinical requirements
in a course by the end of the academic year may apply for an incomplete
grade classification “[I(F)]” and extension of time. Details of this application
procedure can be found in Dentistry’s “Student Handbook” (on-line).

4.10 Supplemental Examinations
A “Supplemental Examination” is an examination which may be offered as
a privilege to a student who has failed a course or failed to achieve a satis-
factory result. Such examinations are offered in order to grant the student
an opportunity to rectify the inadequacy without repeating the course.

Information on Supplemental Examinations can be found in the chapter,
General Academic Regulations and Requirements at the beginning of this
Calendar. Specific information on The Faculty of Dentistry’s supplemental
privileges can be found in Dentistry’s “Student Handbook” (on-line).

4.11 Honours and Awards
Dean’s Honour List: awarded to students in each year of the dental pro-
gram who have achieved a minimum sessional (fall & winter term com-
bined) G.P.A. of 3.8.

To qualify for Graduation with Honours, a candidate for the D.M.D. de-
gree must qualify for the Dean’s Honour List in both third and fourth year.

A student who repeats a year at his/her own request, i.e., not at the request
of Dental Faculty Council, is not eligible for the Dean’s Honour List or to
receive any awards for the work in that repeated year.

The following policy applies to the eligibility of part-time students for aca-
demic awards: in allocating any award, the only academic performance of
a student to be considered is that attained during the year(s) for which the
award is made. Therefore, a part-time student is not eligible for any purely
academic award, other than one in an individual course. However, a part-
time student who is carrying 80 per cent or more of the normal course load
for the year is eligible for any award where conditions other than academic
merit apply and, further, subject to the provisions set forth above, any part-
time student is eligible for any award in the individual courses taken in the
year for which the award is made.

SECTION 5: Program Outline

5.1 First Year

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<td>Early Clinical Experience</td>
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<td>ORLB 1030</td>
<td>Cell and Tissue Biology</td>
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5.2 Second Year

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<td>Structure and Function of Major Organ Systems</td>
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<td>Cariology and Plaque Associated Diseases</td>
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5.3 Third Year

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SECTION 6: Registration Information

Initial Access Times

Students are referred to the chapter, “Registration Information: Aurora Student,” Section 4.

DMD Program For All New and Returning Students

Whether you are a new or returning student, familiarize yourself, not only with the information contained in this Guide, but also with the handbook in the Undergraduate Calendar. However, the student advisor is available in D113 Dental Building or by calling (204) 789-3484 to help should you encounter difficulties in registering.

SECTION 7: Course Descriptions

DDSS 1020 Periodontology 1 Cr.Hrs.6 (Formerly 103.102) A laboratory course designed to introduce students to periodontal examination procedures and to basic periodontal instrumentation.

DDSS 1140 Radiology 1 Cr.Hrs.6 (Formerly 103.114) A series of lectures which introduces the student to: the elementary principles of dental radiology; radiation physics, radiation biology, imaging techniques, x-ray equipment and radiation protection.

DDSS 2120 Periodontology 2 Cr.Hrs.6 (Formerly 103.212) An introductory course with emphasis on periodontal structures in health and disease, the etiology and diagnosis of periodontal disease, as well as the role of occlusion.

DDSS 2180 Radiology 2 Cr.Hrs.6 (Formerly 103.218) A series of lectures in the theoretical and practical principles of radiographic interpretation of common oral and paraoral pathologic conditions.

DDSS 3020 Pain and Anxiety Control 1 Cr.Hrs.6 (Formerly 103.320) A series of lectures introducing the student to: local anaesthetics, local anaesthesia techniques, avoidance and management of complications and selection of appropriate drugs and techniques.

DDSS 3140 Periodontology 3 Cr.Hrs.6 (Formerly 103.322) This combined didactic and clinical course is designed to provide experience which will allow students to apply their earlier and current didactic learning to the clinical environment. The lecture periods concern themselves principally with verbal descriptions of treatment modalities and techniques, including non-surgical, surgical intervention and temporomandibular joint problems. Inter-relationships with other clinical disciplines also receive considerable attention.

DDSS 4080 Psychiatry Cr.Hrs.6 (Formerly 103.408) This course is a series of lectures covering: consideration of personality development, the measurement of intelligence, ego defenses, normal and abnormal psychodynamics, psychological problems which initiate and sustain dental pathology, and handling practice psychiatry problems in dental practice.

DDSS 4130 Hospital Dentistry Cr.Hrs.6 (Formerly 103.413) This course is designed to provide the student with a familiarization with hospital protocol, reinforcement of understanding in medicine, surgery, pharmacology and therapeutics, the dental treatment of medically compromised patients at the Health Sciences Centre, and handicapped patients in other institutional settings. Course evaluated on a pass/fail basis.

DDSS 4200 Oral Diagnosis and Radiology 2 Cr.Hrs.6 (Formerly 103.420) This clinical course is designed to give the student clinical experience with: treatment planning; diagnostic techniques; differential diagnosis; emergency treatment and non-surgical management related to oral pathologic conditions.

DDSS 4210 Oral and Maxillofacial Surgery 2 Cr.Hrs.6 (Formerly 103.421) This course consists of lectures, seminars and clinics covering all aspects of oral and maxillofacial surgery with an emphasis on those procedures performed by the general practitioner.

DENT 1010 Early Clinical Experience Cr.Hrs.6 (Formerly 066.101) A series of lectures and clinical participation sessions designed to introduce the student to clinical dentistry and the relevance of basic science courses in the dental curriculum. Course evaluated on a pass/fail basis.

DENT 2430 Introduction to Comprehensive Care Cr.Hrs.6 (Formerly 066.243) This course is an introduction to an integrated, patient-centered program with patient needs as the primary focus. The course introduces students to clinical protocol and
patient record documentation and communication. Students receive experience in comprehensive treatment planning as well as basic treatments in periodontics, operative dentistry, and fixed prosthetics. Course evaluation is conducted on a pass/fail basis.

**DENT 4020** Interdisciplinary Case Studies Cr.Hrs.6 (Formerly 066.402) Lectures and development of portfolio case designed to enable the student to obtain, organize and critically evaluate information in order to facilitate treatment planning.

**DENT 4030** General Practice Clinic Cr.Hrs.30 (Formerly 066.403) This course consists of an integrated, patient-centered clinical program with patient needs as the primary focus. Patients will be assigned to students and organized to provide the required clinical experiences typical of a contemporary general dental practice.

**ORLB 1050** Cell and Tissue Biology Cr.Hrs.6 (Formerly 100.105) Structure, function and chemical composition of eucaryotic cells and bacteria will be studied. Molecular interactions within and between cells and the immune system will be described in detail.

**ORLB 1060** Head, Neck and Nervous System, Part 1 Cr.Hrs.6 (Formerly 100.106) Gross anatomy of the head and neck are described and observed by regional dissection. Overviews of the nervous system and surface anatomy of the mouth are included.

**ORLB 1070** Head, Neck and Nervous System, Part 2 Cr.Hrs.6 (Formerly 100.107) An introduction to the structure and function of the central and peripheral nervous systems and associated structures, the neurophysiology and the stomatognathic system, pain and analgesics.

**ORLB 1080** Human Growth and Development Cr.Hrs.6 (Formerly 100.108) Human development from the origin of the reproductive cells through fertilization, conception, embryonic/fetal development, birth, growth and aging. Particular emphasis is given to development and growth of structures of the head and neck.

**ORLB 1090** Development, Structure and Function of Oral Tissues Cr.Hrs.6 (Formerly 100.109) A study of development, structure and function of hard and soft oral tissues, the role of organic constituents in them, and their importance to the practice of dentistry.

**ORLB 2070** Structure and Function of Major Organ Systems Cr.Hrs.6 (Formerly 100.207) This course emphasizes the basic structure at both organ and cellular levels of a number of organ systems and an understanding of their role in total body function.

**ORLB 2090** Cariology and Plaque Associated Diseases Cr.Hrs.6 (Formerly 100.209) A study of the various dietary, host and microbial factors involved in the etiology of dental caries and periodontal disease, and a discussion of the various methods of plaque control.

**ORLB 2100** Pathology and Microbiology I Cr.Hrs.6 (Formerly 100.210) Study of the basic mechanisms of microbial pathogenicity and general pathology as they relate to dentistry and dental treatment. Includes the pathogenesis of bacterial, viral and fungal infections and the role of neoplastic, inflammatory and infectious diseases.

**ORLB 2150** Nutrition in Dentistry Cr.Hrs.6 (Formerly 100.215) The course covers the role of nutrition in general health and disease with emphasis on the prevention and management of oral problems in Dentistry.

**ORLB 3020** Pathology and Microbiology 2 Cr.Hrs.6 (Formerly 100.302) A study of selected infectious diseases and the application of general diagnostic pathology to dental practice.

**ORLB 3060** Pharmacology and Dental Therapeutics Cr.Hrs.6 (Formerly 100.306) A discussion of the basic pharmacology of dental and medical therapeutic agents, their therapeutic uses and adverse effects and potential impact on the treatment of dental patients.

**PDSD 1020** Orthodontics - 1 Cr.Hrs.6 (Formerly 101.102) A series of seminars and tutorials designed to introduce the student to: growth and development of craniofacial structures, relationship of craniofacial growth to general body growth, cephalometric and facial analysis, etiology and classification of dental and facial anomalies and developmental malocclusions. Clinical experience may be a requirement at some sites, prepared and delivered by the student.

**PDSD 2070** Operative Dentistry - 1 Cr.Hrs.6 (Formerly 101.207) A series of lectures and laboratories to introduce the student to: the fundamental principles of dental growth and development of children, introduction to operative dentistry and preventive techniques commonly used in dentistry for children.

**PDSD 2130** Dental Public Health Cr.Hrs.6 (Formerly 101.213) A series of lectures concerning the analysis, diagnosis, treatment planning, and mechanotherapy using records of selected cases. The clinical component consists of the diagnosis and treatment planning for individuals seeking orthodontic treatment. The clinical experience includes exposure to removable and fixed appliance mechanotherapy, screening of patients seeking orthodontic care and follow-up of retention of completed cases.

**PDSD 3050** Pediatric Dentistry - 2 Cr.Hrs.6 (Formerly 101.305) A series of seminars and clinics to give the student a basic understanding and some clinical experience with: clinical procedures, emergency treatment, psychological management, preventive medical considerations and the provision of total dental care to pediatric patients.

**PDSD 3140** Dental Public Health/Preventive Dental Science Cr.Hrs.6 (Formerly 101.314) (a) Dental Public Health: The course focuses on the social and psychological variables that impact on dental care for specific age and disease-related issues in the population. Patient evaluation and public health organization are reviewed. Lectures: 15 hours. (b) Preventive Dental Science: Techniques and therapy used to prevent dental diseases are covered. The application of these modalities to specific patient categories follows.

**PDSD 4050** Pediatric Dentistry - 3 Cr.Hrs.6 (Formerly 101.405) This course consists of clinical experience including exposure to common pediatric dental problems, caries preventive and control procedures, routine preventive procedures and the dental treatment of children in community-based clinics.

**PDSD 4060** Orthodontics - 4 Cr.Hrs.6 (Formerly 101.406) This course consists of seminars on special topics related to the provision of orthodontic therapy. In addition, the clinical component including the diagnosis and treatment planning for individuals seeking orthodontic treatment as well as the continuation of treatment commenced in PDSD 3040 (or 101.304). Clinical seminars cover the analysis, diagnosis, treatment planning, mechanotherapy and post-treatment evaluation of previously treated cases.

**PDSD 7000** Neural Basis of Oropharyngeal Function Cr.Hrs.3 (Formerly 101.700) A program of...
RSTD 4060 Endodontic Seminars Cr.Hrs.6  (Formerly 102.406) Seminars designed to enhance the clinical endodontics experience with literature review of diagnosis, more complex treatment methods and materials, case selection and student evidence-based literature and case presentations.

RSTD 4160 Dental Jurisprudence Cr.Hrs.6  (Formerly 102.416) This course provides an overview of the Canadian legal system. It defines and discusses legal concepts relevant to dentistry including issues in negligence, contracts, confidentiality, business and human rights. Identifying a dentist's legal responsibilities to patients, peers, employees, profession and society will underlie the entire course.

RSTD 4170 Practice Management Cr.Hrs.6  (Formerly 102.417) The management, evaluation, economics, organization, design, location, selection and marketing of a dental practice are covered by lectures and seminars. In addition, ethical considerations of dental practice, the options available to new dental graduates and the role of professional associations are discussed.