

FACULTY OF DENTISTRY



**Dalhousie  
University 1985-86**





# Dalhousie University Faculty of Dentistry



Halifax, Nova Scotia, Canada



# Notices

All readers and prospective students are advised that the matters dealt with in this Calendar are subject to continuing review and revision. This Calendar is printed some months before the year for which it is intended to provide guidance.

Any reference to courses or classes contained herein is a statement of courses or classes that have been taught at Dalhousie University in the past. Dalhousie University assumes no obligation to continue to teach such courses or classes and prospective students are asked to consult with the respective Faculty to determine any changes to a course or class description contained herein.

Dalhousie University reserves the right to delete, revise or add to anything described in this Calendar without notice, other than through the regular processes of Dalhousie University, and every student accepted for registration in the University shall be deemed to have agreed to any such deletion, revision or addition whether made before or after said acceptance.

The University reserves the right to limit enrollment in any program. Prospective students should note carefully the application deadlines indicated for the various programs. They should be aware that enrollment in most programs is limited and that students who are admitted to programs at Dalhousie are normally required to pay deposits on tuition fees to confirm their acceptance of offers of admission. These deposits may be either non-refundable or refundable in part, depending on the program in question. While the University will make every reasonable effort to offer classes as required within programs, prospective students should note that admission to a degree or other program does not guarantee admission to any given class, except those specified as required, within that program. Students should select optional classes early in order to ensure that classes are taken at the most appropriate time within their schedule. In some fields of study, admission to upper level classes may require more than minimal standing in prerequisite class.

Inquiries regarding academic matters should be directed to:

The Registrar  
Dalhousie, University  
Halifax Nova Scotia  
Canada  
B3H 4H6



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# Almanac 1985-86

## May

**Friday, 3:** Senate meeting to consider candidates for the award of degrees in Arts and Science, Management Studies, Health Professions and Graduate Studies.

**Saturday, 4:** Examinations end, Law

**Monday, 6:** Level I fieldwork (2nd year, 4 weeks) and Level II fieldwork (3rd year, 8 weeks) begin, *School of Occupational Therapy*.

**Thursday, 9:** University Convocation (Management Studies, Health Professions and Graduate Studies).

**Friday, 10:** University Convocation (Arts and Science and Graduate Studies).

**Monday, 13:** Summer School (first session) registration and classes begin. Senate meeting to consider candidates in the award of degrees in Medicine, Spring 1985.

**Thursday, 16:** Last day for cancelling registration in "A" classes, first summer session.

**Friday, 17:** Last day for cancelling registration in "R" or "C" classes, first summer session.

University Convocation (Medicine).

Senate meeting to consider candidates for the award of degrees in Law and Dentistry.

**Sunday, 19 — Tuesday, 21:** Post-college assembly, Dentistry.

**Monday, 20:** Victoria Day

**Wednesday, 22:** University Convocation (Dentistry and Graduate Studies).

**Friday, 24:** University Convocation (Law and Graduate Studies).

**Monday, 27:** Examinations begin Dentistry (first and second years).

**Tuesday, 28:** Last day for withdrawing without academic penalty from "A" classes, first summer session.

## June

**Tuesday, 4:** Last day for withdrawing from "A" classes, first summer session.

**Monday, 10:** Last day for withdrawing without academic penalty from "R" or "C" classes, first summer session. Last day for cancelling registration in "B" classes, first summer session.

**Wednesday, 12:** Intern training begins, Medicine.

**Wednesday, 19:** Last day for withdrawing without academic penalty from "B" classes, first summer session.

**Tuesday, 25:** Last day for withdrawing from "B," "R" or "C" classes, first summer session.

Summer School ends (first session).

**Friday, 28:** Last regular day for registration of postgraduate Medical Residents is June 28, 1985. Last day to apply for supplemental examinations in Law.

## July

**Monday, 1:** Canada Day, Resident Training begins, Medicine. Postgraduate Medicine Residency programs commence.

**Tuesday, 2:** Level III fieldwork begins, School of Occupational Therapy. Summer School (second session) registration and classes begin.

**Friday, 5:** Last day for cancelling registration in "A" classes, second summer session.

**Monday, 8:** Last day for cancelling registration in "R" or "C" classes, second summer session.

**Tuesday, 9:** Supplemental and special examinations begin, Law.

**Wednesday, 10:** Last day to apply for supplemental examinations in Arts and Science, Health Professions and Management Studies. (does not apply to Graduate Studies) (to be written in August or September).

**Monday, 15:** Last day to apply for supplemental examinations in Dentistry and Dental Hygiene.

**Tuesday, 16:** Last day for withdrawing without academic penalty from "A" classes, second summer session.

**Friday, 19:** Supplemental and special examinations end, Law.

**Tuesday, 23:** Last day for withdrawing from "A" classes, second summer session.

**Monday, 29:** Fieldwork Level I begins, School of Occupational Therapy.

Last day for withdrawing without academic penalty from "R" or "C" classes, second summer session. Last day for cancelling registration in "B" classes, second summer session.

## August

**Thursday, 1:** Last day for receipt of application for admission to Arts and Science for fall term.

**Monday, 5:** Halifax Natal Day and Dartmouth Natal Day — No Classes

**Wednesday, 7:** Supplemental examinations begin in Health Professions and Management Studies.

**Thursday, 8:** Last day for withdrawing without academic penalty from "B" classes, second summer session.

**Friday, 9:** Last day for those expecting Ph.D. degrees in October to submit unbound theses to departments.

**Wednesday, 14:** Last day for withdrawing from "B," "R," or "C" classes, second summer session.

Final day for classes, Summer School.

**Thursday, 15:** Supplemental examinations begin in Dentistry and Dental Hygiene.

**Wednesday, 28:** First year MBA orientation begins.

## September

**Monday, 2:** Labour Day.



**Tuesday, 3:** Supplemental examinations begin, Arts and Science. Registration ends in: Law and Library Service.

Registration ends and Classes begin in: Medicine, School of Human Communication Disorders, MBA, Dentistry, Dental Hygiene, Outpost Nursing.

**Wednesday, 4:** Classes begin in: Library Service and Law.

**Wednesday, 4 — Saturday noon, 7:** Last regular days for class approval, registration, and payment of fees for students in: Arts and Science, Health Professions, Graduate Studies, Management Studies

**Friday, 6:** Last day for those expecting Masters degrees in October to submit unbound theses to departments.

**Monday, 9:** Classes begin in: Arts and Science, Health Professions Graduate Studies (unless otherwise specified), Management Studies.

**Friday, 13:** Last day for adding or changing a Fall or full-year class, Law.

**Friday, 20:** Last day for changing classes, School of Library Service. Last day for those expecting to receive a graduate degree in October to submit approved unbound copies of theses to Faculty of Graduate Studies Office.

Last day for adding classes (except "B" classes), Arts and Science, Health Professions and Management Studies.

**Monday, 30:** Last day for cancelling registration: Faculties of Arts and Science, Health Professions and Management Studies.

## October

**Friday, 4:** Last day for withdrawing from "A," "R" or "C" classes without academic penalty, Management Studies.

**Monday, 14:** Thanksgiving Day.

**Saturday, 19:** Fall convocation.

## November

**Friday, 1:** Last day for withdrawing from "A," "R" or "C" classes with a grade of "W," Management Studies.

**Monday, 11:** Remembrance Day.

**Tuesday, 12:** Last day for withdrawing from "A" classes without academic penalty, Arts and Science and Health Professions.

**Friday, 15:** Last day for receipt of application for admission to Arts and Science for winter term. Last day for those expecting PhD degree by approval of Senate in February to submit unbound theses to departments.

**Monday, 18:** Last day for withdrawing from "A" classes without academic penalty, Graduate Studies.

**Friday, 29:** Last day to change status (PT to FT or FT to PT), Graduate Studies.

## December

**Monday, 2:** Last day to apply for intern training, Medicine.

**Thursday, 5:** Last day of classes in Arts and Science, Health Professions and Management Studies.

**Friday, 6:** Last day of classes, Law (all years).

**Saturday, 7:** Examinations begin in Law (second and third years).

**Monday, 9:** Examinations begin in Arts and Science, Health Professions and Management Studies.

**Tuesday, 10:** Examinations begin in Law (first year). Last day of classes, School of Library Service.

**Wednesday, 11:** Examinations begin, School of Library Service.

**Friday, 13:** Classes end, Dentistry (first, second and third years) and Dental Hygiene (first and second years). Last day for those expecting Masters degrees by approval of Senate in February to submit unbound theses to departments.

**Monday, 16:** Examinations begin, Dentistry (first, second and third years), Dental Hygiene (first and second years).

**Wednesday, 18:** Holidays begin.

**Friday, 20:** Last day of classes in Dentistry (fourth year)

**Wednesday, 25:** Christmas Day.

**Thursday, 26:** Boxing Day.

The last working day before December 31 is the deadline for submission of approved unbound copies of theses to the Faculty of Graduate Studies Office by those expecting to receive a graduate degree by approval of Senate in February.

## January 1986

**Wednesday, 1:** New Year's Day.

**Thursday, 2:** Registration of new students (not applicable to Graduate Studies). Classes resume. Fieldwork (4th year) begins, School of Occupational Therapy.

**Tuesday, 7:** Last day for adding or changing spring term classes, Law.

**Friday, 10:** Last day for adding "B" (or second term) classes, Arts and Science, Health Professions and Management Studies.

**Wednesday, 15:** Last day for cancelling registration, those registered only in "B" classes.

**Wednesday, 22:** Last day for withdrawing from full-year classes, without academic penalty, Arts and Science and Health Professions.

**Friday, 24:** Last day for withdrawing from "B" classes without academic penalty, Management Studies. Last day for students in Arts and Science, Health Professions and Management Studies to apply for supplemental examinations "A" classes. (does not apply to Graduate Studies)

**Friday, 31:** Last day for withdrawing from full-year classes without academic penalty, Graduate Studies.

## February

**Saturday, 1:** Winter Carnival, No classes.

**Friday, 7:** Munro Day, No classes.



**Monday, 10:** Supplemental examinations begin, Arts and Science and Management Studies.

**Friday, 21:** Last day, for withdrawing from B classes with a grade of "W," Management Studies.

**Monday, 24:** Study break begins.

**Wednesday, 26:** Last day for those expecting Ph.D. degrees in May to submit unbound theses to departments.

## March

**Monday, 3:** Classes resume.

**Friday, 7:** Last day for withdrawing from "B" classes without academic penalty, Arts and Science, Health Professions and Graduate Studies.

**Friday, 28:** Good Friday.

**Monday, 31:** Last day for those expecting Masters degrees in May to submit unbound theses to departments.

## April

**Saturday, 5:** Last day of classes in Arts and Science, Health Professions, (except 4th year Occupational Therapy) Management Studies and Graduate Studies.

**Monday, 7:** Examinations begin in Arts and Science, Health Professions, Graduate Studies and Management Studies.

**Friday, 11:** Last day for those expecting to receive a graduate degree in May to submit approved unbound copies of theses to Faculty of Graduate Studies Office. Last day of classes Law (all years), Library Service, Occupational Therapy (4th year).

**Saturday, 12:** Examinations begin, Library Service.

**Friday, 18:** Examinations begin, Law (second and third years) Last day of classes in Dentistry (third and fourth years), Dental Hygiene (first and second years).

**Monday, 21:** Summer clinical practicum begins in the School of Nursing (for basic degree students only), first, second and third year, 6 weeks, and School of Physiotherapy (second year). Summer clinical practicum begins, School of Physiotherapy (third year) (18 weeks). Examinations begin, Dentistry (third and fourth years), Dental Hygiene (first and second years).

**Monday, 28:** Third Term for Dentistry (third year) begins.

## May

Senate meets to consider the award of degrees, Spring 1986. (dates to be confirmed).

**Saturday, 3:** Examinations end, Law.

**Monday, 5:** Level I fieldwork (second year, 4 weeks) and Level II fieldwork (third year, 8 weeks) begins, School of Occupational Therapy.

**Thursday, 8:** University Convocation, Management Studies, Health Professions and Graduate Studies.

**Friday, 9:** University Convocation, Arts and Science and Graduate Studies. End of year — Dentistry (fourth year).

**Monday, 12:** Summer School (first session) registration and classes begin.

**Thursday, 15:** Last day for cancelling first summer session registration in "A" classes.

**Friday, 16:** University Convocation (Medicine). Last day for cancelling first summer session registration in "C" or "R" classes.

**Sunday, 18 - Tuesday, 20:** Post-College Assembly, Dentistry.

**Monday, 19:** Victoria Day.

**Tuesday, 20:** Examinations begin, Dentistry (first and second years) and Dental Hygiene (first year).

**Wednesday, 21:** University Convocation (Dentistry and Graduate Studies).

**Friday, 23:** University Convocation (Law and Graduate Studies). Last day of classes, Dentistry (first and second years).

**Monday, 26:** Examinations begin, Dentistry (first and second years).

**Tuesday, 27:** Last day for withdrawing without academic penalty from "A" classes first summer session.

**Friday, 30:** End of year, Dental Hygiene (first year).

## June

**Tuesday, 3:** Last day for withdrawing from "A" classes first summer session.

**Monday, 9:** Last day for withdrawing without academic penalty from "R" and "C" classes first summer session. Last day for cancelling registration in "B" classes first summer session.

**Wednesday, 11:** Internship year begins.

**Wednesday, 18:** Last day for withdrawing without academic penalty from "B" classes first summer session.

**Tuesday, 24:** Summer School ends (first session). Last day for withdrawing from "B," "R" or "C" classes first summer session.

**Friday, 27:** End of year Dentistry (third year).



# Admission Application Dates

## Arts and Science

Students entering from Canadian or US high schools .....	August 1
Foreign Students (except USA) .....	May 1
Transfer Students .....	July 1
BEd Program .....	May 30

## Health Professions

(Undergraduate)	
Transfer Students <sup>1</sup> .....	July 1
Recreation, Physical and Health Education .....	July 15
Nursing — Basic BN .....	April 1
BN for Post RN <sup>2</sup> .....	August 1
Outpost and Community Health Nursing <sup>3</sup> .....	April 15
Occupational Therapy .....	March 1
Physiotherapy .....	January 28
Pharmacy .....	March 1
Social Work .....	April 15
(supporting documents) .....	May 15

## Management Studies .....

(Undergraduate)	
Transfer Students .....	July 1
Non-American Foreign Students .....	May 1
Public Administration .....	August 15

## Dentistry .....

Dental Hygiene .....	January 31
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## Medicine

MD .....	December 15
Post-Graduate .....	December 1

## Law<sup>4</sup> .....

## Graduate Studies .....

Non-North American Students .....	May 31
Human Communication Disorders .....	February 28
Law .....	April 15
Library Service .....	April 15
Nursing (full-time students) .....	May 31
Social Work .....	January 31

## Winter Term

BA, BSc and BComm programs only .....	November 15
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Early Registration and Registration by Mail is Possible for Most Students, and is Advised

<sup>1</sup> Except Occupational Therapy, Pharmacy, Physiotherapy

<sup>2</sup> Subject to change depending on numbers applying

<sup>3</sup> Application date for class entering in January is October 1.

<sup>4</sup> Late applications may be considered.



# Dalhousie University

Dalhousie University is a non-denominational co-educational university. Founded in 1818, the University is a member of the Association of Universities and Colleges of Canada, the Atlantic Association of Universities, and the Association of Commonwealth Universities.

Dalhousie's student population has grown to 10,000 students. To accommodate these, in a wide variety of undergraduate, professional, and graduate programs offered, Dalhousie occupies more than 60 acres in a residential area of the city of Halifax. University facilities include buildings for teaching and research, libraries, residential housing for students, a Student Union Building, an Arts Centre for music, theatre, and an art gallery, and facilities for physical recreation. The Nova Scotia Archives building, the Atlantic Regional Laboratory of the National Research Council, major provincial hospitals, and the Dr. D.J. MacKenzie Laboratories are located in close proximity to the University. Dalhousie benefits from a variety of arrangements for teaching and research collaboration with hospitals and federal and provincial research laboratories.

The University of King's College, situated on the Dalhousie campus, is an affiliated institution, and its students in Arts and Sciences receive Dalhousie degrees authorized in the name of both institutions. By agreement with Mount Saint Vincent University there is co-operation in access for students to various courses and services, and by agreement with the Technical University of Nova Scotia there are co-operative arrangements for engineering, engineering-physics, and computer science studies. By arrangement with the Nova Scotia Teachers College, graduates of that institution may complete education degree requirements at Dalhousie. Co-operation in a number of academic programs, in administrative services, and in use of library resources is also provided for in working arrangements with Saint Mary's University and other institutions in Halifax.

Arrangements proposed with the Nova Scotia Agricultural College will provide for the awarding of degrees in Agriculture by Dalhousie in cooperation with the College.

Under the University's statutes the Board of Governors is responsible for the operation of the University. The Board consists of representatives named by the Government of Nova Scotia, by the alumni, by the Student Union and by certain other bodies. Internal regulation of the University is the primary concern of the Senate, subject to approval of the Board of Governors. The Senate consists of the President, Vice-Presidents, Deans of faculties and academic department heads, Registrar, full professors, other members of the academic staff elected from and by each faculty, six students elected by students, and certain other persons.

The President and Vice-Chancellor is the Chief Executive Officer of the University, responsible to the Board of Governors, for supervision of the University's administrative and academic work.

Subject to the general approval of the Senate, seven faculties are responsible for supervision of programs of study, of teaching and research, and for the recommendation of candidates for degrees, diplomas, and university prizes.

## Faculties

Faculty of Arts and Science (the humanities, the physical, life and social sciences, some performing arts, education, introductory years in engineering);

Faculty of Health Professions (nursing, occupational therapy, pharmacy, recreation, physical and health education, physiotherapy, human communication disorders and social work);

Faculty of Management Studies (commerce and business administration, public administration, library service, health administration);

Faculty of Medicine (basic medical sciences, medicine, medical internship and clinical specializations, continuing medical education);

Faculty of Law (Law);

Faculty of Dentistry (dentistry, dental hygiene, and continuing dental education);

Faculty of Graduate Studies (advanced study in the humanities, the physical, life, social, and medical sciences, and a number of professions).

Coordination of continuing education programs both for degree credit and part-time studies and community education activities are being organized under the responsibilities of the Dean of Continuing Education.

## Schools and Colleges

Business Administration  
Dental Hygiene  
Human Communication Disorders  
Library Service  
Maritime School of Social Work  
Nursing  
Occupational Therapy  
Pharmacy  
Physiotherapy  
Public Administration  
Recreation, Physical and Health Education

## Institutes and Centres

Applied Microelectronics Institute  
Atlantic Institute of Criminology  
Atlantic Region Magnetic Resonance Centre  
Atlantic Research Centre for Mental Retardation  
Canadian Centre for Marine Transportation  
Centre for African Studies  
Centre for Foreign Policy Studies  
Centre for International Business Studies  
Centre for Marine Geology  
Centre for Regional and International Development Projects  
Centre for Research in Sensory, Psychology and Medical Physics  
Dalhousie Ocean Studies Program  
Institute for Resource and Environmental Studies  
Institute of Oceanography  
Institute of Public Affairs  
Trace Analysis Research Centre



## Academic Programs and Information Sources

In 1983-84 Dalhousie offered the following academic programs. The normal years of full-time study are shown. Information about each may be found in the current University calendar indicated.

### Faculty of Arts and Science

Bachelor of Arts (Major 3 years, Honours 4 years)  
 Bachelor of Science (Major 3 years, Honours 4 years)  
 Diploma in Engineering (2 years)  
 Bachelor of Education (Sequential) (1 year post BA, BSc)  
 Bachelor of Education (Integrated) (4 years for BA or BSc with BEd)  
 Bachelor of Music (4 years)  
 Bachelor of Music Education (4 years)  
 Certificate in Costume Studies (2 years)  
 Diploma in Costume Studies (3 years)  
 Diploma in Meteorology (1 year)  
 Certificate in Educational Administration (minimum 1 year)

### Faculty of Management Studies

Bachelor of Commerce (Major and Honours 4 years)  
 Certificate in Public Administration (1 year)

### Faculty of Health Professions

Bachelor of Physical Education (4 years)  
 Bachelor of Recreation (4 years)  
 Bachelor of Science in Health Education (4 years)  
 Bachelor of Nursing (4 years, with previous RN 3 years)  
 Diploma in Outpost and Community Health Nursing (15 months post RN)  
 Bachelor of Science in Pharmacy (4 years)  
 Residency Program in Clinical Pharmacy (1 year) (post BSc Pharm)  
 Bachelor of Science in Physiotherapy (3 years Physiotherapy following one year of Arts and Science or minimum 2 years post Diploma program)  
 Bachelor of Science in Occupational Therapy (3 years Occupational Therapy following one year of Arts and Science)  
 Bachelor of Social Work (3 years Social Work study following one year general study, a wide choice permitted)

### Faculty of Dentistry

Doctor of Dental Surgery (4 years)  
 Postgraduate Certificate in Periodontics (2 years)  
 Diploma in Dental Hygiene

### Faculty of Law

Bachelor of Law (3 years)  
 Bachelor of Laws with Master of Business Administration (4 years)

### Faculty of Medicine

Doctor of Medicine (4 years)  
 Intern Year (1 year)  
 Residences (various programs ranging from 2-6 years post-intern)

### Faculty of Graduate Studies

Master of Arts (1 or 2 years, with thesis) in Classics, Economics, Education, English, French, German, History, Mathematics, Philosophy, Political Science, Psychology, and Sociology  
 Master of Science (1 or 2 years with thesis) in Anatomy, Biochemistry, Biology, Chemistry, Geology, Health Education, Human Communication Disorders, Audiology or Speech Pathology, Mathematics, Microbiology, Oceanography, Oral Surgery (4 years), Pathology, Pharmacology, Pharmacy, Physical Education, Physics, Physiology and Biophysics  
 Doctor of Philosophy (2 or 3 years, with thesis) in Anatomy, Biochemistry, Biology, Chemistry, Classics, Economics, Education, English, Geology, His-

tory, Interdisciplinary Studies, Mathematics, Microbiology, Oceanography, Pharmacology, Pharmacy, Philosophy, Physics, Physiology, and Biophysics, Political Science, Psychology  
 Doctor in the Science of Law (2 or 3 years, with thesis)  
 Master of Arts in Teaching (French) (2 years)  
 Master of Business Administration (2 years)  
 Master of Education (1 year)  
 Master of Environmental Studies (1 or 2 years)  
 Master of Laws (1 year)  
 Master of Library Service (2 years)  
 Master of Public Administration (2 years)  
 Master of Development Economics (2 years)  
 Master of Nursing (2 years)  
 Master of Social Work (1 or 2 years)  
 Diploma in Public Administration (1 year)  
 Master of Business Administration with Bachelor of Laws (4 years)  
 Master of Science in Oral Surgery (4 years)  
 Doctor of Medicine (4 years)  
 Intern Year (1 year)

## Honourary Degrees

The degree of Doctor of Laws may be conferred *honoris causa tantum* upon approval of the Senate in recognition of significant contributions to society. All other degrees earned in course are approved by Senate.





# General Information

## Libraries

The Dalhousie University Library System is organized to accommodate the needs of the undergraduate teaching programs, graduate and faculty research projects, and professional schools. The system is made up of the following components: the University Library (Killam Library — Humanities, Social Science, and Mathematics; Macdonald Library — Sciences), the Sir James Dunn Law Library, and the Kellogg Health Sciences Library.

As of April 1, 1984, the total Dalhousie University Library System holdings include over 1,173,000 volumes of books, bound periodicals, documents, and bound reports, as well as 23,000 reels of microfilm, 275,000 microfiche and microcards, and 120,000 data cards, maps, musical scores, and other media. 12,000 serials titles are currently received, and dead title holdings number over 6,000.

The University Library alone has a collection of over 613,000 volumes of books and bound serials, as well as a periodical collection of more than 6,100 current subscriptions, and a government documents collection of over 275,000 items. In addition to the traditional printed materials, the library is developing its resources in forms such as records and microforms.

## University Computing and Information Services

University Computing and Information Services (UCIS) is responsible for all centrally managed computing and communications facilities and services. These are available to faculty, staff and students for instructional, research and administrative purposes.

UCIS has three divisions. "Facilities and Operations" is responsible for the operation of central computers, hardware maintenance services, campus communications (including the telephone system) and central word processing and data entry services. "Academic Computing Services" provides consulting, education and documentation services related to the use of both large computers and personal computers. It is also responsible for support and maintenance of applications software for academic users. "Administrative Computing Services" is responsible for the selection, installation, development and maintenance of administrative computing systems, and for providing advice and education to users of administrative systems.

Currently, UCIS supports a Control Data Cyber 730 mainframe computer for general use, a couple of minicomputers for specific departments, plotters, public terminal laboratories and a microcomputer laboratory. A wide range of computer languages and applications software is available on the Cyber computer.

## Student Services

Located in Room 124 of the Arts and Administration Building, this office provides a point of referral for any student problems. The Dean co-ordinates the administration of Awards, Chaplaincy, Counselling and Psychological Services, University Health, the *Writing Workshop*, the Ombud Office, and is the International Student Adviser. Through the Council of Student Life, the Dean acts as liaison with the Deans of Residences and the Student Union. Active participation exists among the various divisions and the officials of Housing, Recreation, and the Federal Manpower Office located on campus.

The Dean can assist students with any University related problem, and can offer direction in class or program selection to ensure compliance with the degree requirements of Dalhousie University. A special program has been developed for students requiring academic assistance. All divisions of

Student Services co-operate in the program together with a number of departmental faculty advisers. Students who may experience difficulties are encouraged to consult with the Dean who reviews their situation and advises them of the various services available.

Many students, particularly those in their first year, experience difficulty in organizing and presenting written work. In an attempt to respond to this problem, the University provides a *Writing Workshop*. Attendance is on a voluntary basis. For further information call 424-2404.

Non-Canadian students should look to this office for assistance in matters related to immigration status, medical insurance or any matter of special concern to visa students.

Dalhousie has a CUSO coordinator who may be reached through the Dean's office. General CUSO information is available to students at all times.

## Student Counselling Service

The Student Counselling and Psychological Services Centre offers programs for personal development as well as assistance with personal, interpersonal and educational concerns. Counselling is offered by professionally trained counsellors and psychologists. Strict confidentiality is assured. Individual counselling is available for any personal or social problem which a student may encounter. Some of the programs offered regularly are: *Career Planning for Mature Students*; *Study Skills*; *Thesis Writing*; *Examination Anxiety Reduction*; "*Speak Easy*"; and the *Career Information Centre*.

Counselling Centre offices are on the 4th floor of the Student Union Building. Enquire or make appointments by coming in or calling 424-2081.

## Chaplaincy at Dalhousie

The University provides facilities for chaplains appointed by various churches. There are four full-time chaplains at Dalhousie, representing the Anglican, Roman Catholic, Lutheran, and United Church traditions. In addition, contact ministers are designated by the Baptist, Jewish, and Presbyterian traditions and can be reached through the Chaplains' Office on campus. The Chaplains' Office is located on the third floor of the Student Union Building. Office hours are Monday to Friday 9-5. Appointments can be made for other convenient times. The chaplains are available at any time for emergencies. Outside office hours, chaplains may be reached by calling 422-5665, or via the SUB Enquiry Desk 424-2140.

## University Health Service

The university operates an out-patient service, in Howe Hall, at Coburg Road and LeMarchant Street staffed by general practitioners and a psychiatrist. Further specialists' services are available in university hospitals and will be arranged through the Health Service when indicated. All information gained about a student by the Health Service is confidential and may not be released to anyone without signed permission by the student. In the event of emergency, students should telephone the University Health Service at 424-2171 or appear at the clinic in person. The university maintains health services on a 24-hour basis with a physician on call. The offices are closed from 10 p.m. to 9 a.m. All students must have medical and hospital coverage approved by the Health Service. All Nova Scotia students are covered by the Nova Scotia Medical Services Insurance. All other Canadian students must *maintain* coverage from their home provinces. This is especially important for residents of any province requiring payment of premiums. All non-Canadian students must be covered by medical and hospital insurance prior to registration. Details of suitable insurance may be obtained from the University Health Service prior to registration. Any student who has had a serious illness within the last 12 months, or who has any chronic medical condition, should contact and advise the Health Service, preferably with a statement from his doctor. Medications prescribed by any physicians or consultants are paid by a prepaid drug plan.



## Student Housing

The University provides accommodation for more than 2,000 students in a variety of facilities — regular residence halls, apartments, graduate houses and casual houses.

Enquiries relating to residences, apartments and houses (with the exception of Peter Green Hall, as noted below) should be directed to the Dalhousie University Housing Office, Room 122, Student Union Building, Dalhousie University, Halifax, Nova Scotia, B3H 4J2.

In addition to coordinating applications for accommodation in University premises, the University Housing Office coordinates information on housing, apartments and other accommodations offered for rent by others in the Halifax-Dartmouth region. Information is posted on notice boards outside the Housing Office and phones are provided for use in calling prospective landlords. During summer months, a list of accommodations available is maintained and is sent periodically to out-of-town applicants upon request. Applicants from the Halifax area are expected to rely upon the notice boards at the office. The Housing Office will endeavour to help with special housing needs.

## Residence Accommodation

The University provides accommodation for more than 2,000 students in a variety of facilities — regular residence halls, apartments and houses. Enquiries relating to residences, apartments, and houses (with the exception of Peter Green Hall, as noted below) should be directed as follows:

### Residence Halls and Houses

Shirreff Hall (Women) — on campus, primarily undergraduate, accommodation and meals. Contact: Dean of Women, Shirreff Hall, Dalhousie University, Halifax, Nova Scotia, B3H 4J4.

Howe Hall (Men) — on campus, primarily undergraduate, accommodation and meals. Contact: Dean of Men, Howe Hall, Dalhousie University, Halifax, Nova Scotia, B3H 4J5.

Women's Residence Houses — within walking distance of campus, without meals. Contact: Dean of Women, Shirreff Hall, Dalhousie University, Halifax, Nova Scotia, B3H 4J4.

### Apartments

Fenwick Place — a University-owned, co-ed high-rise apartment building with 2, 3 and 4-bed apartments with kitchen and living room, and laundry facilities on each floor. Contact: Manager, Fenwick Place, 5599 Fenwick Street, Halifax, Nova Scotia, B3H 1R2.

Peter Green Hall (Married students) — an apartment building available to married students only. Enquiries should be directed to the Business Office at 1094 Wellington Street, Halifax, Nova Scotia, B3H 2Z9.

Glengary Apartment (Women) — an apartment building close to the center of the University. Contact: Dean of Women, Shirreff Hall, Dalhousie University, Halifax, Nova Scotia, B3H 4J4.

### Off-Campus Housing

The University Off-Campus Housing Office on the main floor of the Student Union Building on University Avenue co-ordinates information on housing, apartments and other non-university owned accommodation offered for rent in the Halifax-Dartmouth region. Information is posted on notice boards outside the Off-Campus Housing Office and a telephone is provided for use in calling prospective landlords. For further information on the Off-Campus Housing Office contact: The Manager, Off Campus Housing Office, Student Union Building, Dalhousie University, Halifax, Nova Scotia B3H 4J2.

### Meals

Meal tickets may be obtained by any student for use in the residence dining rooms and meals are available at the Student Union Building Cafeteria.

## Dalhousie Student Union

*President, Student Union:* Alex Gigeroff

*Vice-President:* Rusty James

*Treasurer:* Neil Ferguson

*General Manager, Student Union:* J.W. Graham, BComm

The Dalhousie Student Union is an incorporated body comprising all full-time students of Dalhousie University, and other students who have paid their union fees of \$83. The objects of the Union include acting as the official organization of the students of Dalhousie, and promoting activities for the advancement of its members. Government of all extra-curricular student activities is another Union responsibility.

Because of Dalhousie's diverse student population, the central Council has two tiers of student government. Matters of concern only within a particular faculty or degree program are usually dealt with by the relevant major society, while matters of general interest are under the direct control of the Students' Council. Council has given the major societies power to collect compulsory fees.

The Union regulates scores of student organizations, represents students throughout the University and, wherever possible, provides services to students as requested. Through the Union's efforts, students operate their own building, and the Union budget is now in excess of a million dollars.

The Union employs a staff to administer its affairs and to enable the Union to carry out its obligations. Supervision of the staff is generally entrusted to the General Manager, a full-time employee of the Student Union who is responsible to the President and to Council. His job is largely administrative, but he is often called on for information and advice by the Council or other Union organizations. About eight full-time employees provide continuity and expertise. The Union uses its need for employees as a source of part-time work for students.

Every student has the opportunity to take advantage of the Union's financial, physical and organizational resources. To use that opportunity you should know who represents you on Council and who are the members of the Executive. The Student Council office is located on the second floor of the SUB and is open from 8:30 a.m. to 5:00 p.m. Monday through Friday. Council members have mail boxes located in that office. Union Executive officers also have offices in the SUB. Their office hours are usually posted, or messages can be left for them in Room 222 or at the Enquiry Desk.

## Student Clubs and Organizations

Extracurricular activities and organizations at Dalhousie are as varied as the students who take part in them.

Organizations range from small informal groups to large well organized ones; they can be residence-based, within faculties, or university-wide.

Some are decades old with long traditions, others arise and disappear as students' interests change.

The Student Handbook publishes a list of clubs, societies and organizations, and every fall new students are encouraged to select and participate.

## Cultural Activities

The region's major art gallery and the performing arts centre on the Dalhousie campus are active places indeed. The Dalhousie Art Gallery and the Rebecca Cohn Auditorium attract major exhibitions and regional, national, and international entertainment.

Dalhousie theatre productions and the Dal music department offer outstanding opportunities for student expression and performance.

## Athletics

Dal's main building for athletics and recreation is recognized as a superb international-class sport facility. "Dalplex" sports programs welcomes students of all skill levels.

The Divisions of Athletics and Recreation offers a well-diversified program for every student at Dalhousie University. For those interested in highly



competitive sports, there is a broad selection of inter-collegiate activities. For those who enjoy competition and friendly rivalry there is an interfaculty athletic program. For those interested in recreational activities on a casual or club basis opportunities exist.

Dalhousie is a major participant in regional varsity sports through the Association of Atlantic Universities and the Canadian Intercollegiate Athletic Union.

## Alumni Association

The Alumni Association is composed of over 30,000 former students of the University. It operates a number of programs, including a young alumni club and branch clubs outside Halifax, and a counselling and tutoring service. The association also publishes the *Dalhousie Alumni Magazine* which is sent to all Alumni and friends of the University. The association sponsors class reunions, scholarships and bursaries, the Alumni Award for Teaching Excellence, assists with fund-raising drives and arranges for alumni representation on the Board of Governors.

## Canadian Armed Forces

The Regular Officer Training Plan (ROTP), Medical Officer Training Plan (MOTP) and the Dental Officer Training Plan (DOTP) are completely subsidized university plans covering tuition, books, medical services, monthly pay and summer employment for up to four years of undergraduate study. Successful applicants serve as commissioned officers in the Canadian Armed Forces for varying compulsory periods after graduation.

For further information on above plans, contact a Canadian Forces recruiting centre.

## Awards Office

Director: G.G. Steedman, BA

The awards office offers information and assistance with respect to Dalhousie Scholarships, Bursaries and Prizes, the Canada Student Loan Program, Provincial Loan and Bursary Programs, and Dalhousie Loan Funds. Students with financial problems are encouraged to ask for advice at our office. Further information may be obtained from the Awards Office, Room 125 Arts & Administration Building. A booklet, Scholarships, Prizes and Financial Aid, is available from the office.





# University Regulations

1. All students must report their local address while attending the University to the Office of the Registrar, on registration or as soon as possible thereafter. Subsequent changes must be reported promptly.
2. Place of Residence of Students. For the purpose of admission to the University, the place of residence of a student is the place of domicile. This is normally presumed to be the place (country, province, etc.) where the parents' or guardian's home is located. That place remains unchanged unless the Registrar is satisfied that a place of residence is established elsewhere.
3. No person under sixteen years of age is admitted to any class except by special permission of the Senate.
4. All students must agree to obey all the regulations of the University already made or to be made, and pay the required fees and deposits before entering any class or taking any examinations.
5. A student is not eligible to register unless all previous accounts, including fees, library fines, and other fines to the University have been paid.
6. Late Registration requires the approval of the Dean of the Faculty.
7. Withdrawal: See the individual faculty regulations and the Fee section.
8. Tuberculin Test: In the interests of public health in the University, students are encouraged to have a tuberculin test. This is compulsory for Dental, Dental Hygiene and Physiotherapy students. Facilities for testing are arranged by the University Health Services.
9. Transcript of Record: A student may receive only an unofficial transcript. Official transcripts will be sent at a student's request to other universities, or to business organizations, etc. on payment of the required fee. If a student so requests, a copy of a medical certificate will be enclosed with the transcripts.
10. The Senate is charged with the internal regulations of the University, including all matters relating to academic affairs and discipline, subject to the approval of the Governors. Within the general policies approved by Senate, academic requirements are administered by the Faculty concerned.
11. When the work of a student becomes unsatisfactory, or a student's attendance is irregular without sufficient reason, the Faculty concerned may require withdrawal from one or more classes, or withdrawal from the Faculty.
12. If a student is required to withdraw from a Faculty because of failure to maintain adequate academic standing, such a student may apply to another Faculty. However, in assessing the application, previous performance may be taken into consideration.
13. Members of the University, both students and staff, are expected to comply with the general laws of the community, within the University as well as outside it.
14. Alleged breaches of discipline relating to student activities under the supervision of the Dalhousie Student Union are dealt with by the Student Union. Alleged breaches of discipline relating to life in the residences are dealt with by the appropriate Dean or Director of Residence in consultation with the relevant Residence Council. Senate is charged with the authority to deal with cases of alleged academic offences as well as certain other offences, and delegates this authority to the Senate Discipline Committee.
15. On report of a serious breach of the law, or a serious academic offence deemed by the President, or in his absence by the Vice-President or the Dean of a Faculty, to affect vital University interests, a student involved may be temporarily suspended and denied admission to classes or to the University by the President, Vice-President or Dean, but any suspension shall be reported to the Senate, together with the reasons for it, without delay.
16. No refund of fees will be made to any student required to lose credit for any course taken, required to withdraw or who is suspended or dismissed from any class or any Faculty of the University.
17. Plagiarism is considered a serious academic offence which could lead to loss of credit and suspension from the University. Plagiarism may be defined as the presentation by an author of the work of another author, in such a way as to give one's reader reason to think that the other author's work is one's own. A student who is in any doubt as to what constitutes plagiarism is urged to discuss the matter with the instructor concerned *before* completing an assignment.
18. Academic Offences are dealt with by the Senate Discipline Committee, which consists of: five members, three of which are members of the Senate, and two of which are students.

The terms of reference under which the Committee operates are as follows:

## Procedures for Dealing With Academic Offences

- (a) The Senate Discipline Committee is vested with original jurisdiction to consider all complaints or allegations respecting offences or irregularities of an academic nature, including those relating to admissions procedures and evaluation procedures, and to impose penalties in cases where the Committee finds an offence or irregularity has occurred.
- (b) The Senate Discipline Committee shall assume jurisdiction when a complaint or allegation respecting offences or irregularities of an academic nature are brought to its attention by the Secretary of Senate.
- (c) The Senate Discipline Committee shall report its findings and any penalty imposed to the Secretary of Senate. The Secretary of Senate shall forward a copy of the report to any member of the University community whom the Senate Discipline Committee has found to have committed an offence or irregularity and if the member concerned be other than a student a copy shall also be sent to the Vice-President (Academic).
- (d) If the member of the University found to have committed an offence or irregularity is a student, he may appeal to Senate on any finding or any penalty imposed by the Senate Discipline Committee by advising the Secretary of Senate in writing within 30 days of receipt of the report by the student.

## Irregularities in Admissions Procedures

A member of the University who gains admission or assists any other person in gaining admission by any irregular procedure, for example, by falsifying an academic record or by forging a letter of recommendation or by impersonating any other person, commits an academic offence and is liable to a penalty.



### Irregularities in Evaluation Procedures

(a) A member of the University who attempts or who assists any other person in an attempt to obtain, by irregular procedures, academic standing in a course related to any degree, diploma or certificate program, commits an academic offence and is liable to a penalty.

(b) Without limiting possible irregularities in evaluation procedures that may be considered by the Senate Discipline Committee, the following examples shall be considered irregular procedures.

- (i) arranging for or availing oneself of the results of any personation at any examination or test, or,
- (ii) attempting to secure or accepting assistance from any other person at any examination or test, or,
- (iii) having in one's possession or using any unauthorized material during the time that one is writing any examination or test, or,
- (iv) without authorization procuring a copy of an examination, test or topic for an essay or paper, or,
- (v) in the absence of any enabling statement by the Faculty member in charge of that course, submitting any thesis, essay, or paper for academic credit when one is not the sole author, or,
- (vi) without authorization submitting any thesis, essay or term paper that has been accepted in one course for academic credit in any other course in any degree, diploma or certificate program.

### Penalties

The Senate Discipline Committee, when it finds that a member of the University who is a student has committed an academic offence or irregularity may impose one or more of the following penalties:

- (a) loss of all credit for any academic work done during the year in which the offence occurred;
- (b) suspension of rights to attend the University for a specified period;
- (c) dismissal from the University;
- (d) such lesser penalty as the Committee deems appropriate where mitigating circumstances exist.

### Definitions

**Full-time Students:** those registered for three full classes or more, or the equivalent of three half credit classes or more in either first or second term.

**Graduate Students:** students who are enrolled in the Faculty of Graduate Studies.

**Matriculation Standing:** Senior Matriculation designates the level of studies attained by students who have successfully completed Grade XII in a public high school in Nova Scotia or its equivalent elsewhere.

**No-degree Students:** students who are not candidates for a degree or diploma but who wish to take one or more university classes which may be allowed for credit. This is not the same as auditing a class (see General Undergraduate Regulation 16). No-degree students must satisfy normal admission requirements.

**Part-time Students:** students registered for fewer than three full-credit classes or the equivalent of three half-credit classes in either first term or second term.

A full credit class is equivalent to 6 credit hours.

**Undergraduates:** students who are candidates for an undergraduate qualification.





# Fees

## Full-Time Students

For fee purposes, full-time *undergraduate* students are those registered for fall and winter terms for more than three full-credits, or if registered for only one term, for more than three one-half credits. (For other purposes, there is another definition.) Students other than *graduate* students may be registered full-time in one term and part-time in the other.

## Fees 1984-85

The 1985-86 fee schedule was not available at the time of printing this calendar. It will be available from the Student Accounts Office by June/85.

Fees are due and payable at registration but if preferred, those registered full-time for fall and winter terms may pay in two installments, the first due by September 30, 1985, the second by January 25, 1986.

Students whose accounts are more than 30 days in arrears are considered financially dismissed from the University.

To be reinstated the student must pay the arrears in full, the interest on the arrears and a \$50.00 Reinstatement fee.

Please note the fee reduction if paid in full before August 31, 1985.

## Foreign Students

Students registering at Dalhousie who are not Canadian citizens or permanent residents are required to pay an additional fee of \$1375.00 if registered on a full-time basis, or if registered part-time, a proportionate fee related to their part-time studies. (Any assessed differential must be paid in full with the first installment, and is payable each session the student attends as a visa student).

Membership at Dalplex is included in the University fee for all Full Time students at Dalhousie and all Part Time students at Dalhousie taking three full credit courses. Membership in Dalplex for ALL other part time students at Dalhousie may be obtained at the office of Dalplex at prevailing rates.

## Audit Students

Full time students may audit classes (where this is permitted), which are related to their programs without additional fees. Part-time students who wish to audit classes are required to register and pay fees at registration on the following basis:

One-half credit class	\$75.00
One full credit class	\$150.00

A student registered to audit a class who during the session wishes to change to registration for credit must receive approval from the Registrar and pay the difference in class fees plus a transfer fee of \$25.00. This must be done before the last date for class changes as given in the Almanac. The same deadline applies for a change from credit to audit.

## Summer Session Students

Students registered for the first or second summer session must pay fees on the specified registration dates, otherwise a late registration fee must also be paid. For full information, see the Summer School Calendar, available from the Director of the Summer School.

## Regulations for Payment of Fees

Fees must be paid in Canadian funds by cash or negotiable cheque. If payment is by cheque and returned by the bank as non-negotiable, the account will be considered unpaid and there will be an additional fee of

\$15.00. If the cheque was to cover the first payment on tuition, the student will not be considered registered and, if applicable, the late fee for registration will apply.

## Application Fee

An application fee of \$15.00 is required with the application form submitted by any student for any program except one in which the applicant has been previously enrolled. If the fee is paid for a given session, and the applicant does not attend, whether accepted or not accepted, and an application is made for a subsequent session, the fee is again payable. Application fees are not refundable and are not applied as a credit to class fees.

## Admission Deposit

A deposit of \$100.00 is required by all new students (except in Law, where the required deposit is \$200.00) within three weeks of receipt of an offer of a place at Dalhousie. In some programs there is a partial refund for students who notify the Registrar's Office in writing of cancellation of their application by August 1. There is no refund for limited enrolment programs. Where fees in full are payable by a government or other agency, any deposit paid by an individual will be refunded to the student by November 15, unless the account is not paid by November 1. In this case the refund will be made as soon as payment is received.

## Registration Fees

All students are expected to register on or before the specified dates. To complete registration a student is required to complete the registration process, including any necessary class selection or approval, and to pay a minimum fee of \$50.00 unless a deposit of at least this amount has been made. This payment must be made by all students including those on scholarships, fellowships, student loans, or whose fees are to be paid by external agencies, and *commits* the student to the payment of the balance of fees unless formal action to withdraw is taken *in writing* at the Registrar's office.

## Late Registration

Students are expected to register on or before the specified dates as indicated in the almanac. Late registration requires the approval of the Dean of the Faculty and, if this is granted, payment of an additional fee of \$25.00 on or before September 30 and \$100.00 after September 30, (January 30 for January registration), and the entire first installment. Similar dates apply in summer sessions.

## Additional Information About Payment of Fees

*Bills for fees will not be issued. The receipt issued at registration will show the balance outstanding.*

Students planning to pay the first installment of fees from a Canada Student Loan should apply to their Province as early as possible so that funds will be available at registration.

Scholarships or bursaries paid by or through Dalhousie University will be applied to fees. Students must produce at registration adequate documentary evidence of entitlement to the sums claimed under the award. If fees are to be paid by a government or other agency, a signed statement from the agency must be presented at registration. (All such students are required to pay the appropriate deposit on registration.)

Fees cannot be deducted from salaries paid to students who are employed by Dalhousie University.

## Delinquent Accounts

Compound interest will be charged on any balance of fees outstanding after the registration date except where payment of a second installment is permitted. When fees are paid within two weeks of the last date for regular registration, interest charges will be foregone. Students whose accounts are more than 30 days in arrears are considered financially dismissed from the



**Fees 1984-85**

	University Fee	Student Union Fee <sup>1</sup>	Society Fee	TOTAL	If paid by TWO installments		Balance Jan. 25/85
					If paid before Aug. 31, 1984 pay only	At Registration	
<b>Arts &amp; Science</b>	1,410.00	83.00	5.00	1,498.00	1,470.00	975.00	523.00
King's (payable to Dalhousie)	1,410.00	—	5.00	1,415.00	1,387.00	975.00	440.00
Engineering	1,490.00	83.00	10.00	1,583.00	1,553.00	975.00	608.00
<b>Health Professions</b>							
Nursing	1,490.00	83.00	15.00	1,588.00	1,558.00	975.00	613.00
Outpost nursing, 2nd year	1,490.00	—	15.00	1,505.00	1,475.00	975.00	530.00
Pharmacy	1,490.00	83.00	28.50	1,601.50	1,571.50	975.00	626.50
Clinical Residence — Pharmacy	360.00	—	—	360.00	360.00	360.00	—
Phys. Ed., Health Ed., Rec.	1,490.00	83.00	10.00	1,583.00	1,553.00	975.00	608.00
Physio./Occ. Therapy	1,490.00	83.00	12.00	1,585.00	1,555.00	975.00	610.00
<b>Administrative Studies</b>							
BComm	1,490.00	83.00	30.00	1,603.00	1,573.00	975.00	628.00
CPA, BSW	1,410.00	83.00	10.00	1,503.00	1,475.00	975.00	528.00
<b>Graduate Studies</b>							
Full time	1,510.00	83.00	20.00	1,613.00	1,583.00	1,100.00	513.00
Part-time for Degree	520.00	34.00	10.00	564.00	554.00	375.00	189.00
Thesis-only full-time	235.00	83.00	20.00	338.00	338.00	338.00	—
Thesis-only part-time	235.00	41.50	10.00	286.50	286.50	286.50	—
MSc Dentistry — Oral Surgery	1,755.00	83.00	20.00	1,858.00	1,823.00	1,100.00	758.00
LLM (full-time) JSD	1,615.00	83.00	20.00	1,718.00	1,686.00	1,100.00	618.00
LLM (part-time for Degree)	807.50	41.50	10.00	859.00	843.00	576.00	283.00
<b>Law</b>	1,615.00	83.00	15.00	1,713.00	1,681.00	1,100.00	713.00
<b>Medicine</b>							
MD	1,755.00	83.00	18.00	1,856.00	1,821.00	1,100.00	756.00
Postgraduate, Interns, Residents	360.00	—	—	360.00	360.00	360.00	—
<b>Dentistry</b>							
DDS <sup>2</sup>	1,755.00	83.00	150.00	1,988.00	1,953.00	1,100.00	888.00
DDS Advanced Standing <sup>2</sup>	3,510.00	83.00	150.00	3,743.00	3,673.00	2,200.00	1,543.00
Dental Hygiene <sup>2</sup>	1,490.00	83.00	5.50	1,578.50	1,548.50	975.00	603.50
Dental Hygiene Advanced Standing <sup>2</sup>	2,980.00	83.00	5.50	3,068.50	3,008.50	1,950.00	1,118.50
Postgraduate Periodontics	1,755.00	83.00	150.00	1,988.00	1,953.00	1,100.00	888.00
<b>Full-time: one term only</b> more than 3 one-half credits	700.00	41.50	—	741.50	741.50	741.50	—
<b>Part-time: session and term<sup>3</sup></b>							
1 Full-credit Course	300.00	17.00	—	317.00	311.00	200.00	117.00
2 Full-credit Courses	580.00	34.00	—	614.00	602.00	400.00	214.00
3 Full-credit Courses <sup>4</sup>	860.00	83.00	4	943.00	926.00	600.00	343.00
½-credit Course	150.00	8.50	—	158.50	158.50	158.50	—
⅓-credit Course	100.00	8.50	—	108.50	108.50	108.50	—
<b>Audit: session and term<sup>5</sup></b>							
1 Full Audit Course	150.00	—	—	150.00	150.00	150.00	—
½ Course for Audit	75.00	—	—	75.00	75.00	75.00	—
⅓ Course for Audit	50.00	—	—	50.00	50.00	50.00	—

<sup>1</sup> Charges include Year Book in graduating year.

<sup>2</sup> An instrument user fee will be charged in addition to total fee. Candidates with advanced standing admitted to special programs in DDS and Dental Hygiene to meet Provincial Professional Qualifications are required to pay double the University fee paid by students in regular programs.

<sup>3</sup> Registered for a total of three (3) credits, or less, for session; if three one-half credits, or less for term.

<sup>4</sup> Society Fee for the appropriate faculty is an additional charge. (+)

<sup>5</sup> Course *not* for credit, for interest only. If during session a change from audit to credit is desired, an additional charge of \$25.00 plus the difference in fee for credit course is charged.

**Membership at Dalplex** is included in the University fee for all full-time students at Dalhousie and all part-time students at Dalhousie taking Three full-credit courses. Membership at Dalplex for *all* other part-time students at Dalhousie may be obtained at the office of Dalplex at prevailing rates.



University. The student will be reinstated upon payment of the arrears, the arrears interest and a \$50.00 Reinstatement fee.

### Fees Deductible For Income Tax

The amount of fees constituting an income tax exemption for the student is calculated by deducting from the total charge; (1) the portion of the Student Union Fee for operating expenses of the Union as applicable, and (2) the Society Fee. Fees may be claimed as a deduction only by the student. A special certificate for income tax purposes will be issued on request to the Student Accounts Office in February of each year.

### Refund of Fees

No refund is made for 30 days when payment is made by personal cheque. In any program in which the registration is limited, the first installment of fees is not refundable except on compassionate grounds (e.g. illness). In other programs refunds may be made under certain conditions set out below. No refunds or rebates of charges for the session will be made to students withdrawing after the end of January.

**NON-ATTENDANCE AT CLASSES DOES NOT CONSTITUTE WITHDRAWAL.**

A student who has registered and wishes to withdraw must complete the necessary formalities through the Registrar's office in writing before becoming entitled to any refund or exemption from unpaid fees. Retroactive withdrawals are not permitted.

A student who has paid an admission deposit and  *Cancels* that application before  *August 1*, may be entitled to a refund of 75%, depending on the program. The programs for which refunds are given are in Arts and Science and Management Studies.

A student  *withdrawing* within two weeks of commencement of classes will be charged a registration fee of only \$25.00.

A student withdrawing after two weeks of the date of commencement of classes will be charged the incidental fees in full and may receive a refund (or be exempt from unpaid fees as the case may be) of the balance on a proportional basis, calculated in monthly units; a full charge will be made for the month in which the withdrawal is effective, including the month of December.

A student withdrawing in January will be charged the full first installment of fees.

A student changing before February 1 from full-time to part-time status, with the approval of the Registrar, will be eligible for an adjustment in fees for the remainder of the session.

A student registered for the fall term only who withdraws in September will be charged a registration fee of only \$25.00. For withdrawal on any date in the month of October the charge is one-third of the university fee (plus Incidental Fee in full, where applicable). The Full fee is charged if a student withdraws after October 31.

A student registered for the winter term only, who withdraws up to January 15 will be charged a registration fee of only \$25.00. From January 15 to February 15 the charge is one-third of the university fee (plus Incidental Fee if applicable). The Full fee is charged if a student withdraws after February 15.

A student who is dismissed from the University for any reason will not be entitled to a refund of fees.

Application for a refund or adjustment should be made to the Student Accounts Office after the approval of the Registrar has been obtained.

## Other Charges

### Identification Cards

All new, full and part-time students may obtain identification cards upon registration and payment of proper fees. ID cards for those who register early for the regular academic year are issued by the ID Office (located in

the central foyer of the Arts and Administration Building basement) starting on the first weekday in June. For either summer school session, ID cards are issued starting 2 weeks prior to the commencement of classes. An ID card will only be issued upon presentation of the appropriate requisition form, authorized by both the Registrar's Office and the Student Accounts Office. If a card is lost, authorization for a replacement may be obtained from the Office of the Registrar. A fee of \$12.00 is charged for all replacement ID cards except those expressly directed by the University. Regular academic year ID cards remain valid until the beginning of the following academic year (including summer session. ID cards issued specifically for a summer session expire at the conclusion of that session). At the commencement of subsequent consecutive years, validation stickers are affixed to the "expired" ID card. Should ID cards not be available for validation, a new one will be issued and the student charged for the replacement (currently \$12.00). A student who also becomes an employee of Dalhousie University will have a sticker showing the employee number, placed on the student ID card. Similarly, a Dalhousie University employee may have a sticker showing the student number placed on the employee ID card when becoming a student.

### Laboratory Charge

No laboratory deposit is required. Students will be charged for careless or willful damage.

### Fees for Supplemental and Special Examinations

For supplemental and special examinations the fee is \$25.00 per examination. There is an additional fee of \$25.00 if an examination is written at an outside centre. The fee will be forfeited unless application for refund is made on or before July 31, or in the case of February supplemental examination, January 31.

The fee for reassessment of a class grade (where this is permitted) is \$3.00.

### Degree in Absentia

Any graduating student who is unable to appear at the convocation is expected to notify the Registrar in writing prior to May 4, or October 15 for Fall convocation, giving the address to which the diploma is to be mailed. In any case where notification is not received by the required date, and a student does not appear at the convocation, there will be a fee of \$20.00.

### Transcripts

Transcripts, official or unofficial, will be issued only on the request of the student concerned. Official transcripts will be sent only to other universities, prospective employers, etc. The charge is \$3.00 for the first copy, \$0.50 for each additional copy ordered at the same time for the same address. Transcripts will not be issued if any account with the university is delinquent.

## Residence Charges

Applications for accommodation in all residences are accepted on the understanding that the student will remain for the whole academic session.

When students, who have chosen to live in residence and succeeded in securing a room, withdraw from residence before the end of the school year, there are serious financial penalties. One month's written notice must be given to the Dean or Manager. Complete information on withdrawal from residence are available from the residence Dean. No refund will be made to any resident who is dismissed for misconduct. Discretionary power in exceptional circumstances remains with the Manager of University Services. Confirmation of accommodation will not be granted until the student has been accepted by the University for the coming session and the \$100.00 residence deposit has been received from the student by the Dean before August 1.

Deposits may be made by cheque, bank draft or money order in Canadian funds and payable to Dalhousie University. No reservations will be held on post-dated or "NSF" cheques. Deposits cannot be deducted from scholarships, fellowships or similar awards.



## Residence Fees and Meal Charges

Period September 6, 1985, to the day in April after the last examination in the Faculty of Arts and Science (exclusive of Christmas vacation)

SUBJECT TO CHANGE

	Total	Prepaid Deposit	In Full At Reg.	Payable At. Reg.	Balance Jan. 25 <sup>8</sup>
<b>Howe Hall<sup>1</sup></b>					
Single Room & Board	\$3,192.00	\$100.00	\$3,092.00	\$1,600.00	\$1,502.00
Double Room & Board	2,927.00	100.00	2,827.00	1,600.00	1,237.00
<b>Shirreff Hall<sup>2</sup></b>					
Single Room & Board	3,160.00	100.00	3,060.00	1,600.00	1,470.00
Double Room & Board	2,982.00	100.00	2,882.00	1,600.00	1,292.00
<b>Ardmore Hall<sup>3</sup></b>					
Single Room	1,660.00	100.00	1,560.00	850.00	720.00
Double Room	1,463.00	100.00	1,363.00	850.00	523.00
<b>Residence Houses<sup>4</sup></b>					
Single Room	1,826.00	100.00	1,726.00	900.00	836.00
Double Room	1,588.00	100.00	1,488.00	900.00	598.00
<b>Glengary Apartments<sup>5</sup></b>					
Single Room	1,890.00	100.00	1,790.00	900.00	900.00
Double Room	1,650.00	100.00	1,550.00	900.00	650.00
Bachelor Apartment	2,569.00	100.00	2,469.00	1,250.00	1,229.00
<b>Fenwick Place<sup>6,7</sup></b>					
Student shared rates:					
2 person	2,240.00	100.00	2,240.00	1,120.00	1,120.00
3 person	1,760.00	100.00	1,760.00	880.00	880.00
4 person	1,824.00	100.00	1,824.00	912.00	912.00
<b>Meals Only</b>					
Special rate for session:					
3 meals per day	1,365.00				
2 meals per day	1,315.00				

<sup>1</sup> Charges include residence membership fee of \$25.00 and key deposit of \$6.00

<sup>2</sup> Charges include residence membership fee of \$15.00 and key deposit of \$2.00

<sup>3</sup> Charges include residence membership fee of \$10.00 and key deposit of \$2.00

<sup>4</sup> Charges include key deposit of \$2.00

<sup>5</sup> Charges include caution deposit of \$50.00

<sup>6</sup> The \$100 prepaid deposit is a damage deposit — see application for details

<sup>7</sup> The \$10.00 Service Charge is not applicable

<sup>8</sup> Charges include service charge of \$10.00



### Payment of Residence Charges

Payment may be made in full at registration or, for an extra charge of \$10.00, in two installments as per rate schedule. Scholarships may be applied to residence charges only after tuition fees for the full session are paid. The first installment must be paid in full by the date of registration. A penalty is imposed for late payment, of \$5.00 per day, to a maximum of \$100.00, commencing on the first business day following registration. To all accounts outstanding after September 30 an interest of 1.33% per month (16% per annum) will be charged. On second installments outstanding after February 1 interest of 1.33% per month (16% per annum) will be charged. The interest rate may change from time to time without notice if the cost of money to the University varies. The student will not be permitted to register for another session until all accounts are paid in full. Students whose accounts are in arrears more than 30 days are considered financially dismissed from the University.

### Key and Caution Deposits

Key and caution deposits may be charged before admission to residence.

The key deposit is refundable when the keys are returned to the Dean or Manager. The credit balance of the caution deposit will be refunded as soon as possible after the end of the academic session.

### Regulations and Additional Charges

The complete session is defined as being from the Wednesday before classes begin in the Arts and Science Faculty to the last regularly scheduled examinations in the Faculty of Arts and Science.

No reduction in board charge can be made for meals not taken, except that a rebate of \$20.00 per week may be considered in case of illness or other cause necessitating absence of four weeks or more.

Residence students may apply to the Dean or Manager for permission to stay in residence over the Christmas holidays, if they are unable to return home due to the distance involved.

In all other cases, an additional fee is payable to all residents who are registered in a Faculty where the academic session commences before or continues after the session of the Faculty of Arts and Science. Special arrangements are to be made with the Dean or Manager by residence students for accommodation for periods prior to or following the session as defined above. The charge for such accommodation is as follows:

**Residence students before or after current session, all residences**

Room per night: \$13.00

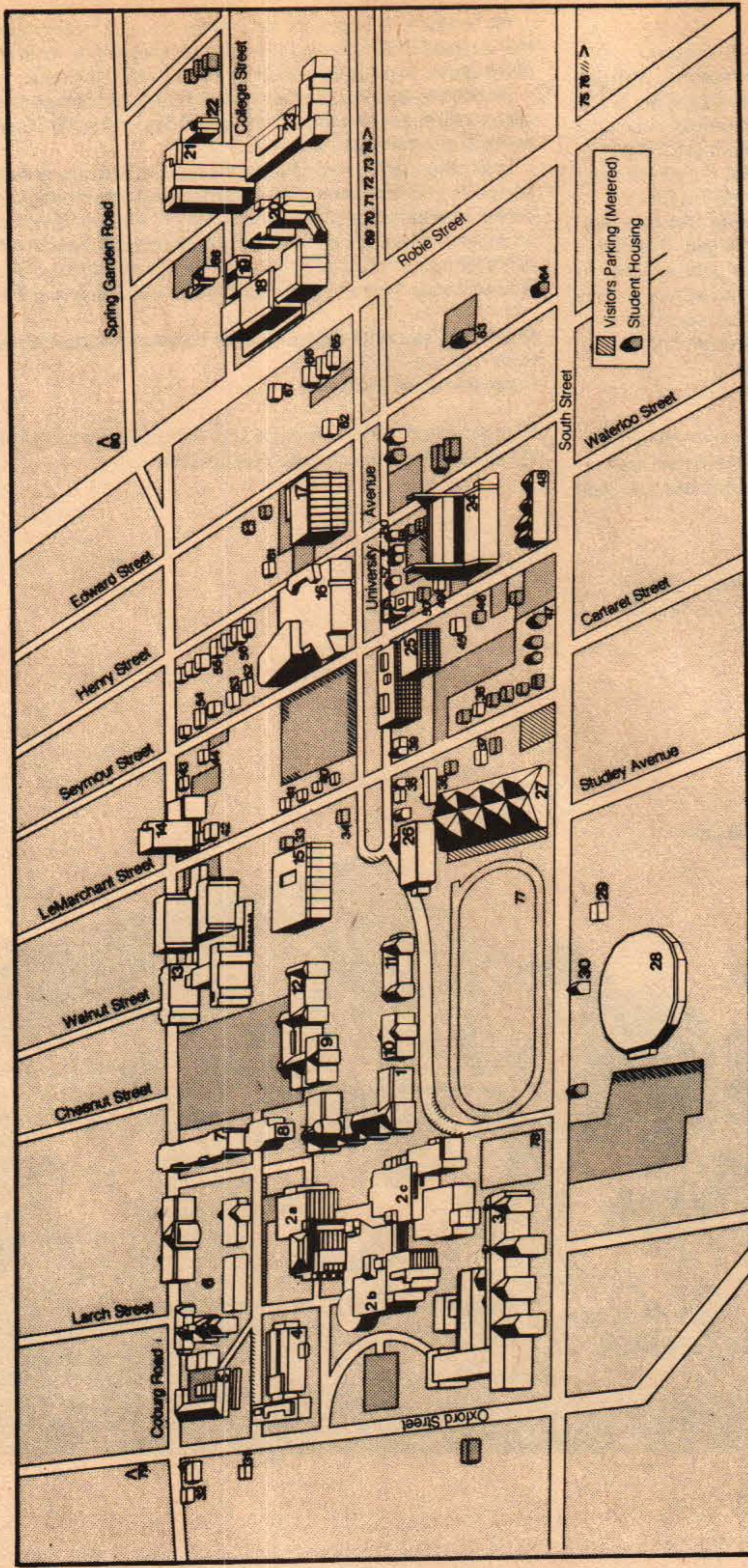
Room per week: \$55.00

Non-residence students may be accommodated for temporary periods at the same rates, if accommodation is available.





# The Campus Map



Admissions - 1  
 Alumni Office - 30  
 Arts and Administration Building - 1  
 Arts Centre - 16  
 Biology - 2a  
 Bookstore - 25  
 Business Administration, School of - 14  
 Chemistry - 9, 12  
 Clincial Research Centre (CRC) - 23  
 Computer Centre - 15  
 Counselling and Psychological Services - 25  
 Dalplex - 28  
 Day Care - 5, 75  
 Dentistry - 18

Development Office - 8  
 Dunn Building - 17  
 Economics - 35  
 Education - 11  
 Engineering - 7  
 English - 53 and 55  
 Faculty Club - 10  
 Forrest Building - 20  
 French - 40  
 Geology - 2b  
 German - 4  
 Graduate House - 39  
 Health Education, School of - 29  
 Henson Centre - 51  
 History - 54  
 Howe Hall - 13  
 Institute of Public Affairs (IPA) - 51  
 Killam Library - 15

King's College - 6  
 Law - 17  
 Life Sciences Centre - 2  
 Macdonald Science Library - 9  
 MacMechan Auditorium - 15  
 Mathematics - 15  
 McInnes Room - 25  
 Medicine - 21  
 Nursing, School of - 22  
 Occupational Therapy, School of - 21  
 Oceanography - 2b  
 Old Public Archives Building - 8  
 Ombud's Office - 25  
 Part-Time Studies and Extension - 57  
 Pharmacy, College of - 19  
 Philosophy - 56

Physical Education, School of - 29  
 Physics - 7  
 Political Science - 1  
 Psychology - 2c  
 Public Relations - 8  
 Rebecca Cohn Auditorium - 16  
 Rink - 27  
 Religion - 7  
 Russian - 33  
 Security and Traffic Office - 24  
 Shirreff Hall - 3  
 Social Work, School of - 32  
 Sociology and Social Anthropology - 48  
 Spanish - 33  
 Student Union Building (SUB) - 25  
 Studley Gymnasium - 26  
 Theatre - 16  
 Tupper Building - 21



# Faculty of Dentistry

The Maritime Dental College was founded in 1908 and quartered in rooms provided by Dalhousie University in the Forrest Building. In 1912 an arrangement was made by which the Maritime Dental College became the Faculty of Dentistry of Dalhousie University.

In the main, medical science classes of the Dentistry Course are offered by Departments of the Medical Faculty located in the Sir Charles Tupper Medical Building and the Dr. D.J. MacKenzie Laboratories & Diagnostic Centre. The other subjects in the curriculum are taught in the Dentistry building which was opened in 1958, and extensively enlarged and renovated in 1980.

The Dental Library contains practically complete files of the dental periodicals and a large collection of books.

Classes are supplemented by clinics and demonstrations in the Victoria General Hospital, the Izaak Walton Killam Hospital for Children, the Canadian Forces Hospital and the Department of Veterans Affairs Hospital (Camp Hill). The buildings are all close by and form part of a compact group of hospitals and teaching centres. These arrangements enable students to obtain extensive varied clinical instruction and experience.

In addition to the DDS Program the Faculty also offers a four-year graduate program leading to the Degree of Master of Science in Oral Surgery, a two-year post-graduate program leading to a Diploma in Periodontics and a two-year program leading to a Diploma in Dental Hygiene.

The Faculty also has an office for Continuing Education which arranges short courses primarily for dentists and dental hygienists.

## Admission to Doctor of Dental Surgery Program

The number of students admitted in any one year is limited by the availability of physical facilities.

Preference is given to residents of the Atlantic Provinces. Applications from very well qualified students from other provinces and countries may be considered, and up to 10% of the class may be selected from this group.

For the information of possible applicants the following is provided showing the characteristics of the applicants and entering class of 1984/85.

Number of applicants: 178 (130 men, 48 women)

Number enrolled: 40 (23 men, 17 women)

Age of Students: Range: 20-34, Mean: 23.3, Over 30-2

Pre-dental Education: 2 years — 1; 3 years — 6; 4 or more years (no degree) — 0; Bachelor's Degree — 29; Master's or equivalent — 4; PhD or equivalent — 0

Residence: Atlantic Provinces — 36; Other Canadian Provinces — 4; Foreign — 0

Mean DAT, reading comprehension — 5.05; Mean DAT, PMAT — 4.35

Mean DAT, chalk carving — 5.28; Mean DAT Academic Average — 4.73

## Place of Residence of Students

For dental admission purposes, the place of residence of an applicant is the place where the applicant is domiciled. This is normally presumed to be the place (country, province, etc.) where the home of his parents or guardian is located. The DAT application form contains a question regarding Preferred Province of Residence. Under normal circumstances the Admissions Committee accepts the statement by the student of his preferred province of residence as it appears on the reported results of the Dental Aptitude Test. Attendance at University in the Atlantic Provinces does not, by itself, constitute having residence in the Atlantic Provinces.

**Note:** Throughout this calendar "he" and "she" are interchangeable.

## Application Procedure

Applications must be made on the regular application forms, and *must be submitted to the Office of the Registrar by December 1st in order to be considered for admission in September of the following year.* Applications from all students, including those who have attended Dalhousie or King's must be accompanied by a \$15.00 processing fee, which is not refundable and is not applicable to tuition fees. An application fee is required for each program for which an application is made.

Applications must be complete to be considered by the Admissions Committee. Applicants must therefore sit the Dental Aptitude Tests no later than November so that their files are complete for committee review in December. However, applications filed by the deadline can be completed at any time up to June 30th and are considered when completed if unfilled places remain in the entering class.

On notice of acceptance into the Faculty of Dentistry, applicants must deposit with the Registrar the sum of \$100 before a specified date. This amount is credited toward tuition fees if the student registers but is not refundable if he withdraws.

A new application form must be submitted in each year in which application is made. Official transcripts in support of the academic record must be forwarded by the Institution or Institutions at which the applicant completed his pre-professional studies. If the applicant is still engaged in university studies, it would be advantageous to forward an interim transcript. However, a final transcript must be forwarded on completion of these credits.

To ensure physical, mental and dental fitness a medical certificate and a dental certificate (which are part of the official application form) must be completed on behalf of each applicant.

Three completed confidential evaluation forms (provided in the application package) in regard to the applicant's character are to be forwarded directly to the Registrar. At least one of the forms must be from a university faculty member who has taught the applicant. The remaining forms should be from someone (not a relative) in the applicant's community. These are in addition to any assessment which may be obtained from a College Advisory Committee.

Applicants should make themselves known to university teachers so that the university evaluation can be based on a personal knowledge of the applicant by an appropriate Faculty member.

An application will not be considered if the applicant has been required to withdraw from studies at any other School of Dentistry or Medicine at the request of the Faculty of that Institution, unless the application is supported by a recommendation from the Dean of that School. In exceptional circumstances, certain of these regulations may be waived or modified by the Faculty Admissions Committee.

Applicants may be requested to make themselves available for an interview.

These regulations may be amended without notice by the Faculty of Dentistry.



## Admission to First Year of the DDS Program

The Faculty of Dentistry considers it desirable that all students intending to proceed to the study of dentistry should acquire a background in the humanities and the social sciences and attain facility in the use of the written and spoken word. Therefore, while minimum entrance requirements are established, students are encouraged to proceed to a Bachelor's degree before seeking admission to the Faculty of Dentistry, particularly if there is any intention or likelihood of proceeding to graduate programs in dentistry or associated sciences. This statement is not to be interpreted to mean that any penalty will be imposed upon those who do not have more than the stated minimum requirements.

Prior to or after making application to the first year of the DDS Program, applicants are strongly encouraged to spend time in the office of their family dentist to learn about the dental profession. They are also encouraged to visit the Faculty of Dentistry and talk with and observe the dental students.

## Minimum Academic Requirements

1. While enrolled in a regular degree course, completion of the requirements in either A or B following, before June of the year of expected entry to the Faculty of Dentistry.

(A) Following Senior Matriculation: Completion of a minimum of 10 academic classes (usually during two years of full-time attendance) in a faculty of Arts and/or Science whose sole entrance requirement is Senior Matriculation (Nova Scotia Grade XII or its Equivalent, as defined by the Senate of Dalhousie University), and from which a bachelor's degree may ordinarily be obtained in three academic years. This minimum academic course must include university classes in English, (students whose native language is French may substitute classes in French for classes in English; however, instruction is in English and the student must be proficient in English) biology, general chemistry, organic chemistry and physics, each of an academic year's duration. The science classes must include laboratory instruction or seminar periods.

Credit for the remaining five classes may be obtained in either of the following ways:

(1) by the successful completion of two classes chosen from the Humanities and the Social Sciences plus three other elective classes.

(2) by Bachelor's degree. If an applicant has a Bachelor's degree in a course acceptable to the Faculty of Dentistry, it is assumed that a suitable selection of courses has been included in the degree program.

(B) Following Junior Matriculation: Nova Scotia grade XI or its equivalent. Completion of a minimum of 15 academic full-credit classes (usually during three years of full-time attendance) in a faculty of Arts and/or Science whose bachelor's degree program ordinarily takes four academic years following Junior Matriculation (Nova Scotia XI or its equivalent). Five of these 15 full credit academic classes are considered as senior matriculation equivalent. The remaining classes must include at least one full-credit academic class in English, biology, general chemistry and physics — each of which must be equivalent to the first year classes required in a bachelor's degree program which ordinarily takes three academic years and whose entrance requirement is senior matriculation. One full-credit academic class in organic chemistry is also required. Of the remaining classes, at least two full-credit classes must be chosen from the Humanities and Social Sciences. Each of the 15 full-credit academic classes must be of a year's duration and the science classes must include laboratory instruction or seminar periods.

Most successful candidates complete an appropriate bachelor's degree program, incorporating the required classes. It is expected that

the program includes classes in other disciplines such as humanities, social sciences, languages, and mathematics. Truly outstanding applicants who are residents of the Atlantic provinces, whose high school preparation included English, and who have enrolled in a regular degree program can be considered after completion of a minimum of 10 academic classes following senior matriculation or 15 academic classes following junior matriculation, provided the required classes and classes in humanities and social sciences are included in the course of study.

Because of the difficulty in comparing marks and grades from the various universities from which dentistry students are drawn, it is not possible to state a minimum standard that ensures serious consideration for admission. However, demonstrated capacity to carry a full program of demanding advanced level classes is a necessary asset for a dentistry student. The ability to obtain consistently better than average grades in such a program is the best indication of that capacity. An academic record which shows failed or repeated classes, classes passed with low grades or supplementary examinations, particularly in the two years prior to anticipated entry to dental school, makes the prospect of admission unlikely. Applicants with the best academic record have the greatest chance of admission. Nonetheless, the Admissions Committee can and does make significant use of non-academic factors in deciding which applicants are admitted (e.g. Dental Aptitude Test, interviews, university recommendation, references).

2. All Canadian applicants must submit test results from the Canadian Dental Association Dental Aptitude Testing Program. Applicants must sit the test no later than November to be considered for admission to the following academic year. *Information regarding the Dental Association Aptitude Testing Program may be obtained from the office of the Registrar, from the Faculty of Dentistry or by writing to the Administrator, Dental Aptitude Test Program, The Canadian Dental Association, 1815 Alta Vista Drive, Ottawa, K1G 3Y6.*

Applicants from other countries may submit the American Dental Association Dental Aptitude Testing Program results. While this information is not a final or deciding factor in selection it is used as an additional criterion by the Admissions committee when evaluating student qualifications.

## Admissions to Advanced Standing in the DDS Program

Students who have completed part of their dental education in another approved Faculty of Dentistry may be admitted to advanced standing on the following conditions.

1. Together with his completed form, the candidate must arrange for his University to submit for him a complete academic record of his dental studies.

2. No student is accepted for admission to advanced standing whose pre-professional standing is below that required for admission to the first year of dentistry at Dalhousie University.

3. Each applicant must be apprised as to his standing suitability. The Admissions Committee may be satisfied with a personal interview, or they may require a written/oral examination before reaching a decision.

4. Credit can be given only for the work of a completed year, and students must register for all classes of the succeeding year.

5. No student without a dental degree can be admitted to the undergraduate program of the Faculty later than the third year of the course.

6. Students who have a dental degree from a university in a foreign country may be considered for admission to third year Dentistry. Only under special circumstances and with prior evaluation at the Faculty of Dentistry may they be considered for admission to fourth year.

7. Applicants for advanced standing should take at least Parts One and Two of the Canadian National Dental Board examinations or at least Part One of the American National Dental Board examinations prior to applying to the Faculty of Dentistry.



### Class Waivers

Dental or dental hygiene students, who have successfully completed classes which they believe are equivalent to any of the required classes may apply for a waiver of said class(es). Documentation, including class descriptions and transcripts, must be submitted to the Dean's Office for review and prior approval by the appropriate academic Division or Department. Approval for waiver of any class may be conditional, requiring partial attendance or completion of an appropriate project or examination. Normally in the case of a Dental student a waiver is granted if the equivalent class has been passed with a grade of B- or higher within the three previous academic years. Normally, in the case of a Dental Hygiene student, a waiver is granted if the equivalent class has been passed with a grade of C or higher. Students who are granted a class waiver for purposes of establishing class rank, prizes, and awards, have their final grades computed using only the required classes being taken.

### Promotion

A student will not be promoted to the class of any year unless he has passed in all subjects of the previous year and has obtained a grade point average of 2.

As an academic requirement, students are assessed in each year on their aptitude and fitness for the profession of Dentistry. A student who, in the judgment of the Faculty, fails to attain satisfactory standard on this assessment may be retired from the Faculty.

Students must prepare such exercises, reports, etc., as may be prescribed, and in classes involving laboratory or practical work they must complete such work satisfactorily before any credit for that course can be given. If Faculty deems it advisable, students may be given the opportunity to clear any deficiencies by means of remedial programs.

From time to time, certain clinical requirements are established for students. These requirements must be fulfilled before a student may obtain credit for the work of that year. Students who, in the judgment of the Faculty, are deficient for any reason in their clinical practice may be required by Faculty to return for a special clinical session or to repeat the year. The satisfactory completion of this clinical session is required in order to allow students either to continue in their regular course or to graduate at the Fall Convocation.

A candidate who has deficiencies at the termination of regular classes and who clears these deficiencies in time to be promoted or graduated will receive only the lowest passing grade in those subjects in which the deficiencies existed.

## Academic Year

The academic year commences in early September, and for the first two years, the course continues until the latter part of May. The third academic year continues through the month of June although students may apply for early release if clinical requirements have been satisfactorily accomplished. The academic year for the fourth-year class terminates in the latter part of April. Classes begin immediately after the regular registration date, and late registration will be permitted only under most exceptional circumstances, if approved by the Dean. Total length of the program is currently 144 weeks in actual attendance: two annual 36-week sessions of two semesters each, a 39 week session of three semesters in third year, and 33 weeks in senior year.

### Illness or Absence

It is the student's responsibility to immediately inform Course Directors, the Office of the Dean and, when clinical activities are involved, the Director of Clinics and any scheduled patients, of any absence due to illness, injury, or other serious cause. Application for special consideration due to injury, illness, or other serious cause shall be made to the

Dean not later than three week days (excluding holidays) after the student's return to classes following an injury or illness.

Failure to report as required may limit a student's right to appeal an unsatisfactory course grade or the failure of an academic year. Written policies describing the responsibilities of students in such cases are available through class officers as well as the Dean's Office.

## Examination and Class Grades

### Admission to Examinations

In order to qualify for admission to examinations, candidates must attend the prescribed classes of the curriculum regularly and punctually. Certificates indicating less than 90% of attendance at any class are not ordinarily accepted.

### Class Grades

Upon completion of a class a student is awarded a grade of A+, A, A-, B+, B, B-, C, D, FM or F. In this system A+ is the highest and D is the lowest passing grade; FM is a failing grade that allows an otherwise qualified candidate to take a supplemental evaluation; F is a failing grade disqualifying the student from further evaluation without repeating the course.

The teaching divisions concerned are responsible for defining the requirements for grades A, B, C, D, FM, and F. If a division also wishes to award any of the grades, A+, A-, B+ or B-, definitions of these requirements must be available as well.

### Grade Point Equivalents and Averages

Grade point equivalents are used to calculate grade point averages, which in turn are used to determine class standing and as factors in determining recipients of prizes and awards.

Grade	Point Equivalent
A+, A, A-	4
B+, B, B-	3
C	2
D	1
FM, F	0

### Calculation of Average

Each class is assigned a weight based on its length and the mix of lecture, laboratory or clinical components, however the difference in weight between the smallest and largest course weight in any year may not be greater than a 1:3 ratio. An individual student's point equivalent for each class is multiplied by the course weight. The student's grade point average is calculated by adding up the weighted grade point equivalents earned for all the separately numbered classes for the Academic Program and divided by the sum of the class weights for all classes.

### Supplemental Examinations

A candidate who has received FM grades in not more than two subjects of any year and who has attained the required grade point average of 2, is entitled to supplemental examinations in such subjects, provided he is qualified in attendance and class work for admission to examination. A candidate who has failed in more than two subjects in any one year or who has received an F grade in any course or has received a grade point average less than 2, does not receive any credit for work done in that year.

Supplemental examinations are held on the day specified in the Academic Calendar, and during the regular examinations in the Spring, but at no other times and are written at Dalhousie unless approval is obtained to do otherwise.



Other forms of supplemental evaluations may be prescribed for different aspects of the program such as laboratory and clinical assignments. These are carried out in periods determined by the Faculty.

Application for admission to a supplemental examination must be made on or before July 15th for First, Second and Fourth year students and by August 1 for Third year students. Application forms may be obtained from the Dean of Dentistry's Office and must be accompanied by the proper fee.

On passing a supplemental examination or evaluation the candidate receives no higher than the lowest passing grade (D).

## Promotion and Graduation

First and second year students are not promoted unless they have passed all subjects and obtained a grade point average of 2.0 in each year. Students in third year are not promoted unless they have passed all subjects, obtained a grade point average of 2.0 in all clinical subjects, a grade point average of 2.0 in all didactic subjects, and an overall grade point average of 2.0. Students in fourth year are not graduated unless they have passed all subjects, obtained a grade point average of 2.0 in all clinical subjects, a grade point average of 2.0 in all didactic subjects, and an overall grade point average of 2.0.

## Appeals

Students have the right to appeal their assigned grade in a given course as well as decisions regarding their failure of an academic year. Written policies describing the Faculty's appeal procedures are available through class officers as well as the Dean's Office.

## Provincial Regulation

Students are reminded that the degree in Dentistry is not the only requirement for admission to practice in any province. The regulations for admission to practice are established by the licensing board of the province in which the person desires to practice. Information on these requirements may be obtained from the respective Dental Registrars whose names and addresses may be obtained from the Office of the Dean.

The National Dental Examining Board of Canada incorporated under Federal Statute offers an examining facility leading to a certificate which is recognized by the dental Licensing Boards in all ten provinces of Canada. Holders of the certificate may be licensed to practice in all provinces, sometimes after meeting additional provincial requirements. For further information inquiries should be addressed to: Registrar, National Dental Examining Board of Canada, Suite 103, 100 Bronson Ave., Ottawa K1R 6G8.

The program of dental education in the Faculty has received approval of the Canadian Dental Association and the Council on Dental Education of the American Dental Association. The Dalhousie Doctor of Dental Surgery Degree is, therefore, an accepted educational qualification for obtaining a certificate from the National Dental Examining Board of Canada, the National Board of Dental Examiners of U.S.A., and the Boards of many of the states of the United States.

Graduates in Dentistry from Dalhousie University may be licensed in Nova Scotia by the Provincial Dental Board without further examination.

## Instruments, Equipment and Books

Larger items of equipment and some clinical instruments are provided on loan by the University. All other instruments and material for practical instruction must be procured by the students. Normally, the Faculty obtains these for the students to ensure delivery in time for the start of the academic year. This practise, however, does not prohibit students from purchasing their instruments and material from any source or sources they wish provided that:

(a) the instruments are in a new condition and of the particular type and manufacture prescribed by Faculty

(b) the instruments and material are available in time for the start of the academic year

(c) advice is received by the Office of the Dean not later than 28 February from any student who intends to purchase instruments and material privately for the ensuing academic year. This deadline is essential as experience has shown that Faculty must place orders not later than 1 March to ensure the likelihood of delivery in time for the start of the academic year.

The textbooks prescribed for the various courses are arranged in the same manner as instruments and material.

The following estimate of the cost of instruments and books for each year is subject to change without notice, but it can assist the students in estimating their expenses.

	Instruments Purchase	Instrument User Fee	Textbooks
Year I	\$1,220.00	\$500.00	\$800.00
Year II	\$1,670.00	\$500.00	\$1,000.00
Year III	\$60.00	\$500.00	\$400.00
Year IV	\$0.00	\$500.00	\$150.00

## Academic Program

The course for the degree of Doctor of Dental Surgery extends over four years.

*It is to be distinctly understood that the regulations regarding courses of study, examinations, fees, etc., contained in this calendar are intended for the current year only, and that the University does not hold itself bound to adhere absolutely to the curriculum and conditions laid down.*

The course is as follows:

### First Year

Gross Anatomy, Microanatomy, Neuroanatomy, Bio-chemistry, Pathology, Physiology, Immunology, First Aid, Oral Biology, Corelative Cranio-facial Embryology & Histology, Dental Anatomy & Occlusion, Dental Biomaterials Science, Operative Dentistry, Communications, Orthodontics.

### Second Year

Microbiology, Pathology, Pharmacology, Oral Pathology, Oral Diagnosis, Radiology, Oral Surgery, Removable Prosthodontics, Periodontics, Endodontics, Orthodontics, Communications, Fixed Partial Prosthodontics, Occlusion, Preventive Dentistry, Pedodontics, Dental Biomaterials Science, Clinical Preventive Dentistry, CPR.

### Third Year

Clinical Practice, Oral Pathology, Oral Medicine, Oral Diagnosis Radiology, Oral Surgery & Anaesthesia, Removable Prosthodontics, Operative Dentistry, Fixed Partial Prosthodontics, Periodontics, Endodontics, Orthodontics, Pedodontics, Community Dentistry, Ethics, Practice Management — Basic, Dental Public Health, Preventive Dentistry, Patient Management Seminar, Table Clinics.

### Fourth Year

Clinical Practice, Total Patient Care, Seminars in: Oral Medicine, Oral Diagnosis incl. Radiology, Oral Surgery, Patient Health Assessment, Restorative, Removable Prosthodontics, Periodontics, Endodontics, Orthodontics, Pedodontics, Dental Oncology, Jurisprudence, Patient Management Seminar, Practice Management — Advanced, Electives, CPR.



## Classes of Instruction

Anatomy, Biochemistry, Microbiology, Pathology, Pharmacology, and Physiology are offered by the Faculty of Medicine.

## Department of Anatomy

Head of Department: D.G. Gwyn.

Instruction by the staff, Department of Anatomy, Faculty of Medicine.

**Gross Anatomy — D1001R:** A two-term class for first-year Dental students which provides an introduction to human anatomy in the clinical context and places special emphasis on the Anatomy of the head, neck and oral cavity.

*Texts: Morphology of the Living* by Stan R. Blecher. *Grant's Method of Anatomy* or *Moor's Clinically Oriented Anatomy*. *Grant's Atlas of Anatomy* or *McMinn and Hutchings' Color Atlas of Anatomy*. *Cunningham's Manual of Practical Anatomy*.

**Neurological Sciences (Neuroanatomy) — D1003B:** The anatomical component of this class provides the student with an introduction to the organization of the human nervous system. The course is taught concurrently with Neurophysiology. *Prescribed Texts:* Barr and Kiernan, *The Human Nervous System*, latest ed.; *prescribed laboratory manual:* DeArmond, et al, *Structure of the Human Brain*, latest ed. *Basic Principles of Neurobiology* by C.R. Noback and R.J. Demarest.

**Microanatomy — D1002R:** The class for first-year Dental students consists of one lecture and a two-hour laboratory per week. This section covers the microscopic structure of the tissues and organs of the human body, stressing the relationship of structure and function. *Prescribed Texts:* Cormack *Introduction to Histology*. Di Fiore, *Atlas of Human Histology*. *Reference Text:* Bloom and Fawcett, *A Text Book of Histology* (10th ed.).

## Department of Biochemistry

Head of Department: R.W. Chambers.

Instruction by the staff, Department of Biochemistry, Faculty of Medicine.

**Biochemistry for Dental Students — D1004A:** This class consists of approximately 75 hours, comprising lectures, problem-solving sessions, and review. It is given in the first term of the first year. This class is planned to serve two general purposes: 1. Provide an introduction to general biochemistry, which should enable students to read and understand current reports of biochemical research related to Dentistry and allied subjects; 2. Provide detailed instruction in a few specialized areas of particular interest to students of Dentistry. General topics include the structure, function, and biosynthesis of proteins; enzyme action, energy production by cells; and control of metabolism. Specialized topics include nutrition, saliva, calcium and phosphate metabolism, and collagen chemistry and biosynthesis. This class is intended for students of Dentistry. Others may take it only with special permission of the Department of Biochemistry.

## Department of Microbiology

Acting Head of Department: K.B. Easterbrook

Instruction by the staff, Department of Microbiology, Faculty of Medicine and Faculty of Dentistry.

**Immunology — D2004A:** Immunology deals with the structure, synthesis and detection of antibodies and with the cellular basis of antibody formation. Also discussed are transplantation, tolerance, hypersensitivity,

the complement system and tumor immunology. *Reference Book:* Roitt, *Essential Immunology*.

**Microbiology — D2001A:** This class which commences in the first term of second year covers the general principles of medical bacteriology, virology, mycology and parasitology. Students are instructed in Medical Microbiology in the first trimester. In the second trimester they participate in Oral Microbiology as a separate course. The lectures deal with the physiology of bacteria, a systematic study of the pathogenic bacteria, viruses and rickettsiae, structure and use of antibiotics and the natural history of infectious organisms. Oral Microbiology, Microbial history of infectious organisms. Oral Microbiology, Microbial disease with oral manifestation. Laboratory periods are designed to familiarize the student with the microscopic cultural and biochemical characteristics of bacteria, sterilization, disinfection and antibiotics. *Reference Books:* Davis, *Microbiology*; Jawetz et al, *Review of Medical Microbiology*; William A. Nolte, *Oral Microbiology*; Burnett and Scherp, *Oral Microbiology & Infectious Disease*.

## Department of Pathology

Head of Department: M.A. MacAulay.

Instruction by the staff, Department of Pathology, Faculty of Medicine.

**General Pathology — D1005B:** This is a class of 55 hours and is taken with first-year medical students. It deals with the selective and coordinated responses of cells, tissues and organs to injury stimuli, with particular emphasis on the role of such responses in the pathogenesis of diseases. The subject areas covered by this program are cell injury, the inflammatory response, neoplasia, immunopathology. Most of the instruction is by lectures. Learning resources, including slide-tape programs, are made available. There are 4 laboratory sessions which deal with selected structural changes in injured cells and tissues. *Texts:* The class starts in January of each year and the Department will advise students well in advance of the texts which are available.

## Department of Pharmacology

Head of Department: P.E. Dresel.

Instruction by the staff, Department of Pharmacology, Faculty of Medicine.

**Pharmacology — D2003R:** This second-year class is a separate course for Dental students taken during both semesters and consisting of 45 hours of lectures. It emphasizes the basic principles of drug action with special attention given to groups of drugs used commonly in dental practice (local and general anaesthetics, analgesics, tranquillizers) and on drugs whose presence in the body may affect dental procedures. *Text:* Katzung, *Basic and Clinical Pharmacology*. *Reference Book:* American Dental Association, *Accepted Dental Therapeutics*.

## Department of Physiology and Biophysics

Head of Department: K.B. Ruf.

Instruction is given by the staff, Department of Physiology and Biophysics, Faculty of Medicine.

**Physiology (Biol. 4403) — D1006R:** A class in human physiology for first-year Dentistry students consisting of three lectures per week, plus tutorial sessions. This class discusses the phenomena presented by the higher mammalian organisms with special reference to the human



organism. It describes the relative significance of these phenomena, the allocation of every function to its appropriate organ, and the conditions that determine each function. After a brief introduction into the basic principle of the electrical phenomena in living cells, the first semester deals mainly with the operation of cardiovascular, respiratory and excretory systems. The topics of the second semester include the function of gastro-intestinal tracts, energy metabolism of the body and the hormonal and nervous regulation of the various functions. In addition, the effect of environment on the body and the function of sense organs are discussed. The class concludes with a five-week series of topics related to Physiology designed specifically for the needs of Dental students. *Text:* Berne and Levy, *Physiology*. *Reference Book:* Ganong, W.F., *Review of Medical Physiology* (10th ed.).

**Orientation:** A course of lectures given to first-year students designed to introduce the novice to the broad field of dentistry, together with an introduction to the development of the profession.

## Department of Oral Biology

Acting Chairman of the Department: M.M. Cohen Jr.

### Division of Oral Pathology

Division Head: B.B. Harsanyi.

**Correlative Craniofacial Embryology and Histology — D1101R:** The objective of this class is to introduce the subject of craniofacial embryology and histology and to make it clinically relevant by correlating developmental, microscopic, anatomic, and clinical aspects of the subject. Both developmental and pathologic correlates are discussed. This class is offered jointly by the Department of Oral Biology, Faculty of Dentistry and the Department of Anatomy, Faculty of Medicine for both first year dental students and first year dental hygiene students. *Texts:* Hansell, M., *Embryology*

**Oral Biology — D1102B:** A thirty hour course given by staff of the Faculty of Dentistry, Faculty of Medicine and invited guest lecturers. The course is divided into two sections: Cariology and Neurophysiology. Cariology covers clinical aspects of caries, etiology, the chemistry of teeth, mechanisms of hard tissue formation and destruction, plaque, and epidemiology of caries, saliva and halitosis. The neurophysiology section covers oro-facial sensation, pain — both clinical and basic science aspects, masticatory muscle physiology, occlusion, tooth pulp, taste, touch and temperature. Instruction is given mainly by lectures.

**Systemic and Oral Pathology — D2101R:** This class presents an overview of the pathology of different organ systems and integrates it with the pathology of the mouth. It starts with the pathology of organ systems and their importance to dentistry as well as systemic diseases affecting the oral cavity and continues with reactive conditions of the oral cavity. It is continuous with General Pathology (D-1005B) and the entire program of the Division of Oral Pathology: Oral Histology and Embryology (D-1101R); Didactic Oral Pathology (D-3102A) and Oral Medicine (Courses D-3101B and D-4102B). It emphasizes the pathophysiology of various systemic disease entities and helps the student gain an understanding of the nature of different diseases. It forms the foundation for assessing a patient's health and particularly relates to Oral Diagnosis and Treatment Planning as well as Oral Surgery, especially Patient Health Assessment. The present class helps the student select a certain amount of knowledge from the discipline of pathology and together with the related courses eventually attain diagnostic and management skills. *Texts:* Robbins, S.L., Angell, M., Kumar, V., *Basic Pathology* 3rd ed., W.B. Saunders Co. Toronto, 1981. Shafer, W.G., Hine, M.K. and Levy, B.M., *A Textbook of Oral Pathology*, 3rd. ed., The W.B.

Saunders Company Ltd., Toronto. *Reference Books:* Robbins, S.L. and Cotran, R.S., *Pathologic Basis of Disease*, W.B. Saunders, 1979. Smith, R.M., Turner, J.E. and Robbins, M.L., *Atlas of Oral Pathology*, The C.V. Mosby Co., St. Louis 1981.

**Oral Pathology — D3102A:** This class is continuous with Systemic and Oral Pathology D2101R and is based on the same philosophy. It continues and concludes the systematic study of oral disease with tumours and developmental anomalies. *Texts:* Shafer, W.G., Hine, M.K., and Levy, B.M., *A Textbook of Oral Pathology*. Fourth Edition, The W.B. Saunders Company Ltd., Toronto. *Reference Books:* Lucas, R.B., *Pathology of Tumours of the Oral Issues*. Third Edition, Churchill Livingstone, Edinburgh, 1972. Smith, R.M., Turner, J.E., and Robbins, M.L., *Atlas of Oral Pathology*, The C.V. Mosby Co., St. Louis, 1981.

**Oral Medicine — D3101B:** This class is given jointly by the Divisions of Oral Pathology and Oral Diagnosis. It consists of lectures and seminars given in the second term of the third year. The objectives are: (1) to emphasize the diagnostic process in oral disease by means of clinical differential diagnoses, laboratory aids and histopathologic correlation; (2) to provide the student with further experience in recognizing the clinical signs and symptoms of oral diseases; (3) to prepare the student for participation in the Clinical Pathological Conference (CPC) of the fourth year. *Texts:* Mitchell, Standish and Fast, *Oral Diagnosis/Oral Medicine*. *Reference Books:* Burket, L.W., *Oral Medicine* (6th ed.), Bhaskar, S.N., *Roentgenographic Interpretation for the Dentist*.

**Oral Medicine — D4102B:** This class is also given jointly by the Divisions of Oral Pathology and Oral Diagnosis. It consists of rotation through the Mouth Clinic in both terms and a one hour weekly seminar in the second term. It is designed to integrate the knowledge acquired in previous courses and to apply it in the management of individual patients and cases presented in Clinical Pathologic Conferences. *Text:* Eversole, R.R., *Clinical Outline of Oral Pathology: Diagnosis and Treatment*. *Journals:* *Oral Surgery*, *Oral Medicine and Oral Pathology*, *Journal of Oral Surgery*, *British Journal of Oral Surgery*, and *Journal of Oral Pathology*.

## Department of Oral Diagnosis and Oral Surgery

Acting Chairman of Department: A.K. ElGeneidy.

### Division of Oral Diagnosis

Division Head: A.K. ElGeneidy.

**Oral Diagnosis and Treatment Planning — D2204R:** A course of lectures, demonstrations and clinical exercises. Students are taught the principles and methods of diagnosis, prognosis, and treatment planning. This course is co-ordinated with Clinical Preventive Dentistry Course D2350R and Radiology course D2202R. The examination in this course is given at the conclusion of second year. *Text:* Mitchell, Standish and Fast, *Oral Diagnosis/Oral Medicine*. Barsh, L.L., *Dental Treatment Planning*.

**Clinical Oral Diagnosis and Treatment Planning — D3202R:** Third year students gain practical experience rotating through the Oral Diagnosis clinic during the year. Students do a complete diagnostic work-up (history taking, radiographs, charting and treatment planning) on assigned patients. Students are given exercises in radiographic interpretation and recognition of technical and processing errors. *Reference Books:* Wood, N.K., *Treatment Planning — A Pragmatic Approach*; Hal-



stead, Blozis, Drinnan, Gier, *Physical Evaluation of the Dental Patient*; Scopp, I.W., *Oral Medicine*; Bell, *Orofacial Pain*.

**Clinical Oral Diagnosis/Radiology and Treatment Planning — D4201R:** The fourth year student continues to do complete diagnostic work-ups. Students develop skills in the delegation and supervision of auxiliary personnel in radiography. A series of radiology seminars on radiation hazards protection and radiographic interpretation are also given. *Reference Books:* Wood, N.K., *Treatment Planning — A Pragmatic Approach*; Halstead, Blozis, Drinnan, Gier, *Physical Evaluation of the Dental Patient*; Scopp, I.W., *Oral Medicine*; Bell, *Orofacial Pain*.

**Radiology — D2202R:** A series of lectures, laboratory exercises and clinical training covering the technical aspects of radiology, the hazards and safety of radiation and normal radiographic anatomy of intraoral radiographs. *Text:* Goaz and White, *Oral Radiology Principles and Interpretation*. *Reference Books:* Wuehrmann and Manson-Hing, *Dental Radiology*; Frommer, H.H., *Radiology in Dental Practice*.

**Radiology 3rd Year — D3205A:** Third year students receive a series of lectures on extra-oral radiographic techniques and radiographic interpretation. The clinic training in radiographic technique and interpretation is included in D3202R. *Reference Books:* Goaz, P.W. and White, S.C., *Oral Radiology Principles and Interpretation*; Wuehrmann and Manson-Hing, *Dental Radiology*; Frommer, H.H., *Radiology in Dental Practice*.

### Division of Oral and Maxillofacial Surgery

Acting Division Head: D.S. Precious.

**Oral Surgery — D2203A:** A lecture/demonstration class of one lecture a week in the first term of second year. The classes and demonstrations cover the topics of all aspects of local anaesthesia. Final examination takes place upon completion of the course. *Text:* Malamed, *Handbook of Local Anaesthesia*.

**Oral Surgery — D3203R:** A lecture class of two lectures a week throughout third year. The lectures cover the topics of Clinical Therapeutics, Oral Surgery and orientation to General Anaesthesia. Examination takes place on completion of each component. *Texts:* Waite, *Textbook of Practical Oral Surgery*; Monheim, *General Anesthesia in Dental Practice* and Goodman and Gilman, *Pharmacological Basis of Therapeutics*. *Reference Book:* Dingman and Natvig, *Surgery of Facial Fractures*.

**Oral Surgery — D3204B:** The undergraduate develops clinical skills by clinical oral surgery practice under supervision in the Oral Surgery Clinic in the Dental Building.

**Oral Surgery — D4202R:** This class throughout the fourth year consists of: 1. Patient health assessment. The first term is devoted to lectures by physicians and is designed to give the student a broad understanding of the problems and procedures involved in the practice of medicine and to prepare for intelligent cooperation with physicians and other health workers. The class also prepares the student to render a better health care service by recognizing the signs and symptoms of general diseases which require the services of a physician. This series of lectures is followed in the second term by seminars devoted to clinical management of patients with specific disease processes. 2. Surgical conferences are held weekly during the second term. These conferences permit the review of management of a broad range of current surgical procedures for which students have played a part in treatment. Students must present patient management at these conferences.

A comprehensive examination is held at the end of the year covering Patient Health Assessment, management of the hospitalized patient and

principles involved in specific surgical problems. *Reference Book:* Collins and Crane, *Internal Medicine in Dental Practice*.

**Clinical Oral Surgery — D4204R:** (1) The undergraduate develops clinical skills by practising clinical oral surgery under supervision in the Oral Surgery Clinic in the Dental Building. This takes place during the first term of fourth year. (2) On a rotational basis, minor and major oral and maxillofacial surgery is demonstrated in the following affiliated hospitals: Victoria General Hospital, Izaak Walton Killam Hospital for Children, and the Canadian Forces Hospital. During the rotation an orientation to admission procedures, operating room protocol and support management of hospitalized patients is provided.

## Department of Restorative Dentistry

Chairman of Department: D.V. Chaytor.

### Division of Operative Dentistry

Division Head: R.A. Bannerman.

**Dental Anatomy and Occlusion — D1301R:** This class consists of lecture and laboratory periods in the first year. It covers the macroscopic or gross anatomy of the individual teeth; their anatomy on cross section; a study of physiologic tooth form, the alignment of the teeth in the jaws, and an introduction to the study of the occlusion of the teeth in the various jaw relations. Lectures are supplemented by laboratory periods in tooth and Functional Wax-up Techniques. *Texts:* Kraus, Jordan & Abrams, *Dental Anatomy and Occlusion*; Linek, *Tooth Carving Manual*. *Reference Book:* Wheeler, *Dental Anatomy, Physiology and Occlusion* (5th ed.).

**Endodontics — D2306B:** A series of lectures once a week in the second term of second year in conjunction with demonstrations and laboratory periods dealing with the diseases and therapy of pulp tissues and adjacent structures. *Texts:* Cohen & Burns, *Pathways of the Pulp*; Serence et al, *Principles of Pre-Clinical Endodontics*. *Reference Books:* Serence et al, *Principles of Pre-Clinical Endodontics*; Bender and Seltzer, *The Dental Pulp*.

**Endodontics — D3310A:** A continuation of Endodontics D2306B consisting of one lecture a week in the first term of third year. More advanced aspects of Endodontics are discussed with emphasis on the clinical management of endodontically involved teeth. *Text:* Cohen & Burns, *Pathways of the Pulp*.

**Endodontics — D4310B:** A weekly seminar is devoted to Endodontics in the second term of fourth year.

**Clinical Endodontics — D3309R and D4307R:** Students are required to give treatment to a minimum number of patients in the third year of the dental course and to continue to treat endodontic cases during the fourth year.

**Operative Dentistry — D1303R:** These classes consist of lectures and laboratory periods commencing the first year. The student is introduced to diseases of the teeth, their cause and prevention, as well as the fundamental methods of restoring lost tooth structure. Instruction is also given in the restoration of teeth with full or partial veneer crowns of metal, porcelain or plastic either separately or in combination. Clinical practice commences in second year. *Texts:* Gilmore, Lund, Boles and Bernette, *Operative Dentistry* (3rd ed.); Baum, Phillips and Lund, *Textbook of Operative Dentistry* (1st ed.).



**Operative Dentistry — D3303A:** This is a continuation into third year of Operative Dentistry D1303R and Clinical Preventive Dentistry D2350R. During the first term of third year a lecture course in Operative Dentistry is conducted which emphasizes the clinical applications of the fundamental principles outlined in the previous years.

**Clinical Operative Dentistry — D3304R and D4302R:** These two classes, conducted throughout the academic year during third and fourth year, enable the student to develop skills in rendering operative dental treatment to patients. During the third year, emphasis is on each student gaining technical experience in many different restorative procedures while in fourth year, the focus is on student's ability to manage operative situations.

**Fixed Partial Prosthodontics — D2303R:** This class consists of weekly lecture-laboratory periods throughout second year. The content consists of the fundamental principles and techniques for the construction of fixed prostheses for replacing missing natural teeth. Instruction is also given in diagnosis and design of fixed partial dentures as well as in the associated areas of dealing with commercial dental laboratories, trouble shooting and clinical management of fixed restorative treatment. *Text:* Shillingberg, Hobo and Whitsett, *Fundamentals of Fixed Prosthodontics*. *Reference Books:* Johnson, Phillips and Dykema, *Modern Practice in Crown and Bridge Prosthodontics*; McLean, *The Science and Art of Dental Ceramics*.

**Fixed Partial Prosthodontics — D3305A:** This class, given during the first term of third year, is a continuation of FPP. D2303R and is designed to provide instruction in the clinical and biological aspects of fixed partial denture design and placement. As well, it addresses the crown and bridge associated topics of commercial dental laboratories and trouble-shooting. *Text:* Shillingberg, Hobo and Whitsett, *Fundamentals of Fixed Prosthodontics* (2nd ed.). *Reference Books:* Johnson, Phillips and Dykema, *Modern Practice in Crown and Bridge Prosthodontics*; McLean, *The Science and Art of Dental Ceramics*.

**Restorative Dentistry Seminar — D4309R:** Taking a problem-oriented approach, this seminar program is intended to cover some of the more important aspects of the clinical management of Operative Dentistry and Fixed Prosthodontics problems drawing upon the student's previous background in Dental Biomaterials, the technical instruction in preclinical Operative and Fixed Prosthodontic laboratories, clinic experience including patient management and the literature on these subjects. *Reference Books:* Ewing, *Fixed Partial Prosthesis*; Tylman, *Theory and Practice of Crown and Bridge Prosthodontics*, Second edition.

**Clinical Fixed Partial Prosthodontics — D3306B and D4308R:** Throughout the third and fourth years of dental studies, students are provided with practical experience in the management of patients requiring full or partial crown restorations and simple types of fixed prostheses. Often the fixed restorative treatment is integrated with treatment by other disciplines.

### Division of Dental Biomaterials Science

Division Head: D.W. Jones.

**Dental Biomaterials Science — D1302R, D2308R:** Approximately 105 hours of lecture, demonstration and laboratory instruction are given in the first and second years. The course aims to provide the graduating dentist with a firm foundation for understanding the properties and behaviour of materials used in Dentistry and their interaction with the oral environment. This background should enable materials to be selected and used to the best advantage. The first part of the program

concentrates upon the relationship between structure and properties of materials. The student with this fundamental background will thus be able to cope with the understanding of any new materials which may be developed in future years. It provides a scientific basis for the discriminating selection of materials for future dental practice. In addition the program is intended to provide the dental student with information needed to interpret the laboratory and clinical behaviour of dental materials and to understand the technical procedures used in their manipulation. In addition to the program given in the first and second years, a number of lectures are integrated into the 3rd year of the clinical program in order to emphasize the connection between fundamental properties and clinical applications of materials. In Fourth Year some 30 hours of seminars are conducted jointly with the Operative Division covering the clinical applications of dental materials. *Text:* Phillips, *Science of Dental Materials* (8th ed.). *Reference Books:* Craig, *Restorative Dental Materials* (6th ed.); Greener et al, *Materials Science in Dentistry*; Anderson, *Applied Dental Materials* (5th ed.).

### Division of Removable Prosthodontics

Division Head: B. Graham.

**Removable Prosthodontics — D2301R:** A series of lectures, seminars, demonstrations, laboratory and clinical experiences dealing with the fundamental principles and techniques of treating the partially edentulous and total edentulous patient, by using Removable Prostheses. *Text:* Hickey & Zarb, *Boucher's Treatment for Edentulous Patients* (8th ed.); Stewart, Rudd, Kuebker, *Clinical Removable Partial Prosthodontics* (1st ed.).

**Removable Prosthodontics — D3301R:** A lecture seminar series conducted once each week aimed at augmenting and developing more extensively the principles, and concepts, of Removable Prosthodontic treatment. *Text:* Morrow, *Journal of Prosthetic Dentistry*.

**Dental Oncology — D3312A:** A lecture series conducted once each week during the first term, aimed at familiarizing the students with the dental health care needs of the cancer patient.

**Removable Prosthodontics — D4303R:** This is a weekly lecture seminar series aimed at clarifying areas of concern, exploring areas of controversy and correlating clinical experience in Removable Prosthodontics. *Text:* *Journal of Prosthetic Dentistry*.

**Clinical Removable Prosthodontics — D3302R and D4304R:** Practical experience in the treatment of patients requiring removable prostheses for the replacement of missing teeth and contiguous tissues.

### Division of Periodontics

Division Head: C.A. Bain.

**Periodontics — D2304R:** One lecture a week is given throughout the second year on the nature and clinical features of periodontal disease. The clinical management of periodontal disease is introduced. *Text:* Lindhe, *Textbook of Clinical Periodontology*.

**Introduction to Periodontics — D1304B:** One lecture a week for the last 10 weeks of first year as an introduction to the understanding of periodontal health and disease.

**Periodontics — D3307R:** One lecture a week is given throughout the third year. The class emphasizes the clinical management of patients with periodontal disease. *Text:* Goldman, *Atlas of Surgical Management*



of Periodontal Disease. Reference Books: Orban's, *Periodontics*; Goldman, *Periodontal Therapy*; Prichard, *Advanced Periodontal Disease*, Glickman's *Clinical Periodontology*.

**Periodontics — D4305R:** This class of one hour per week in the first term of the final year is a seminar program stressing topics of a practical clinical nature.

**Clinical Periodontics — D2307R, D3308R and D4306R:** Practical experience in the treatment of patients requiring periodontal care in the second, third and fourth years.

## Interdisciplinary Courses

**Introduction to General Dentistry — D2350R:** This full year class in second year is designed to introduce the student to clinical dentistry in an orderly and informative way. The didactic classes followed by clinical sessions reinforce and integrate ideas previously presented in the subject of Operative Dentistry, Dental Hygiene, and Periodontics.

**Occlusion II — D2302B:** A lecture course is presented by specialists in various dental fields to review the basic concepts of occlusion and the interrelationship between dental, skeletal, neuromuscular form and function.

**General Dentistry, Didactic — D4350R, Clinical — D4351R:** An evolving clinical and seminar course whose objective is to modify the educational process to emphasize a faculty commitment to comprehensive integrated therapy and in so doing inculcate in the student an appreciation and commitment to comprehensive, integrated patient care.

## Department of Pediatric and Community Dentistry

Acting Chairman of Department: W.B. Barro.

### Division of Orthodontics

Division Head: W.B. Barro.

**Preclinical Orthodontics:** Orthodontics together with the related subject Pedodontics, covers the field of management of the dental problems of the child patient.

**Pedodontics — D4407R:** A seminar program designed to cover selected topic areas in children's Dentistry. The topics are discussed in detail and serve as a review of information presented in second and third year. An opportunity is provided for students to relate their clinical experiences to their didactic knowledge on Dentistry for Children.

**Clinical Pedodontics — D3404R:** Clinical experience in Dentistry for Children is gained in the Faculty clinic. The student is assigned children and adolescent patients. An initial examination or recall examination is done for each patient and a treatment plan is drawn up. All required treatment is done by the student within the assigned clinic. Provision is made for consultation and follow-up treatment in Orthodontics and other Divisions.

**Clinical Pedodontics — D4405R:** The senior dental students obtain clinical experience in diagnosis and dental treatment of children and adolescent patients within the Faculty clinic, mobile clinic and on a rotation within the Dental Department at The Izaak Walton Killam Hospital for Children. An attempt is made by the Division to assign a variety of children and adolescents so that the senior student may gain experience in examination and treatment of normal patients, handicapped patients,

medically compromised patients and patients with facial growth and development problems. Handbook — Division of Pedodontics

### Division of Community Dentistry

**Communications — D1401B:** The two semester sequence of communication classes focuses on macro and micro-orientations to basic communication problems. The first of the two classes focuses upon two general topics, the profession of dentistry and the scientific method. Examples of topics discussed in lecture include a history of dentistry, dentistry on the international, national, provincial, and local levels, and the scientific approach to the acquisition of knowledge. *Required Textbook:* Young & Striffler, *The Dentist, His Practice, and His Community*.

**Communications — D2403A:** This series of lectures focuses upon the dentist-patient relationship and specific communication problems inherent to it. Topics discussed in lecture include basic communication skills, management of anxiety, and patient motivation. *Required Textbook:* Ingersoll, *Behavioural Aspects in Dentistry*.

**Community Awareness Program — D2407R, D3408R:** During the final three years students will have to select four (4) extramural activities from a wide variety of field experiences each of which is designed to prepare them for their role as a dental health care professional and as a leader in lay communities. All extramural activities will be co-ordinated through Community Dentistry and three of the four activities will have to be completed by the end of the third year.

**Preventive Dentistry — D2405R:** Preventive Dentistry is a two semester sequence of lectures discussing problems and theories in the field of preventive dentistry. Topics discussed include a broad overview of the problems of dental disease, use of fluorides in preventive dentistry, control of plaque, oral hygiene instruction, and diet and nutrition.

**Dental Public Health — D3403A:** Dental Public Health is presented as a series of lectures and seminars discussing current issues in dental public health. Students are encouraged to further their understanding of a specific issue by researching and reporting a topic of their choice.

**Ethics — D3406A:** Dental Ethics is presented in a series of lectures and seminars on the theory and important principles of ethics. Topics discussed include respect for autonomy, paternalism, utilitarianism, and models of health and disease.

**Jurisprudence — D4403B:** Jurisprudence is presented in a series of lectures which discuss such topics as principles of law, dental malpractice, standards of care and negligence, consent to treatment, patient records, licensure and discipline, and malpractice insurance.

**Practice Management (Basic) — D3405B:** Dental Practice Management is presented as a two semester sequence of lectures. Topics discussed in the first semester include an overview of the management process, how to get a small business started, financial considerations, selection of equipment and supplies, and marketing.

**Practice Management (Advanced) — D4406A:** The second series of lectures in this two semester sequence continues a discussion of topics essential to an understanding of practice management. Topics discussed include personnel, office systems and processes, developing and evaluating other sources of expertise, and planning for the future. A summary of the two semester sequence is presented.



## Interdisciplinary Courses

**Patient Management Seminar — D4411R, D3311R:** A series of monthly seminars which focus on clinical patient care activities of third and fourth year dental students as well as second year dental hygiene students. Management of patients and chart audits provide a focus for assessing the management capabilities of students.

**Geriatric Dental Care:** This is a series of lectures concerning relevant topics which are integrated and sequenced into the appropriate scientific and clinical courses currently offered in the four year dental program. The goal of the sequence is to develop within the student a true understanding of the aging process, physiologically and psychosocially, as well as the clinical skills and treatment procedures they must possess in order to provide dental care to this growing segment of the population.

**Clinical Practice:** During the third and fourth years of the course, a large portion of the student's time is devoted to clinical practice. The conditions of a private practice of dentistry are simulated as closely as possible, including the effective use of auxiliary personnel. Students are encouraged to carry out complete treatment for each patient. Before graduation, students are required to demonstrate a satisfactory proficiency in all phases of general dental practice.

During the clinical years emphasis is placed upon the demonstration and seminar method of teaching. Senior students, on a rotation basis, are required as part of their clinical training to deal with emergency calls, under supervision, in order that after-hour professional responsibility may become an integral part of their clinical practice.

In addition to the experience gained in the dental clinic, a program is arranged for extra-mural training and experience in affiliated hospitals.

**Table Clinic D3601B:** Students in their third year will prepare and present a table clinic on a topic of interest in research or clinical practise. The presentation is graded on a pass/fail basis. All presentations are judged in a public presentation for prizes. The winner is supported for travel to the National Convention of the Canadian Dental Association for the annual presentation of table clinics by representative students from all Canadian Faculties of Dentistry.

**Elective Program — D1501R, D2501R, D3501R, D4501R:** This program is offered in all years. It is designed to allow students to pursue, in depth, dentally related and to a lesser extent other topics of their particular interest that are not covered in other scheduled courses.

## Graduate Studies in Oral and Maxillofacial Surgery

The division of Oral and Maxillofacial Surgery offers a four-year graduate program leading to the degree of Master of Science. Graduates of this program are eligible for examination by the Royal College of Dentists (Canada). Details covering the program are contained in the Calendar of the Faculty of Graduate Studies.

## Post-Graduate Program in Periodontics

Department of Restorative Dentistry  
Chairman of Department: D.V. Chaytor.

Division of Periodontics  
Division Head: C.A. Bain.

Program Director  
D.G. Pentz.

## Faculty

Members of the Faculty of Dentistry  
Members of the Faculty of Medicine  
Members of the Faculty of Arts and Science

The post-graduate program in Periodontics is of two years duration. It is structured to provide students with the clinical and didactic experience which is necessary for the practice and teaching of Periodontics. On successful completion of the program, candidates are awarded a Certificate and are eligible for examination by the Royal College of Dentists of Canada.

## Admission Requirements

To be eligible for admission, candidates must hold a DDS or DMD degree from a dental school recognized as accredited by the Council of Education of the Canadian Dental Association, or its equivalent. Criteria used in selection include past academic performance and professional experience. In addition, letters of recommendation are required as well as a personal interview. The selection process is coordinated by the Advanced Education Committee working in conjunction with the Division of Periodontics.

The program begins annually in early September. Completed applications must be received by the preceding November 30th.

## Post-graduate Program Requirements

1. Satisfactory completion or credit for the prescribed courses.
2. Attainment of satisfactory clinical knowledge and skills in the field of Periodontics.
3. Satisfactory completion of a research study and its successful defence before a committee struck by the Program Director.

## Classes

### Year 1

Clinical Practice	D5009R
Clinical Seminars	D5001R
Biological Basis of Periodontics	D5004R
Periodontal Histopathology	D5006R
Developmental Biology	D5000R
Pharmacology	D5003R
Oral Pathology	D5008R
Biostatistics	D5001R
Anatomy and Radiology	D5002R
Orthodontics in Periodontal Practice	D5005R
Physical Diagnosis and Medicine	D5010R
Microbiology	D5007R
Research	D5012R

### Year 2

Clinical Practice	D6006R
Clinical Seminars	D6005R
Biological Basis of Periodontics	D6001R
Oral Pathology	D6003R
Human Behavior	D6002R
Ethics	D6004R
Elective	D6007R
Research	D6008R

## Tuition

Refer to Schedule of Fees for more information regarding academic and related fees.



### Instruments, Equipment and Books

Larger items of equipment are provided on loan by the University. All hand instruments, textbooks, and required photographic equipment must be provided by the student.

Shortly after acceptance into the post-graduate program, the student receives a detailed list of required instruments and photographic equipment.

Students should delay purchasing textbooks until they commence the program.

### Continuing Education

Kaireen Vaison, Coordinator.

The Faculty of Dentistry operates an office for Continuing Education which organizes short courses for dentists and dental hygienists and other auxiliaries. The principal objectives of these courses are the review of basic knowledge and the introduction of new information, concepts and practices. Regular members of the Faculty, local resource people and visiting clinicians are employed. While in the past most of these courses have been offered in Halifax an increasing number are being offered in other centers. Clinical half days and the provision of

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# School of Dental Hygiene

Faculty of Dentistry, Dalhousie University Halifax, Nova Scotia, B3H 3J5.

Acting Director  
Mrs. P.M. Larder.

Dental Hygiene was first offered as a formal educational program in 1913 at the Fones Clinic in Bridgeport, Connecticut, USA. Since then the profession has grown steadily and there are now more than two hundred dental hygiene programs in North America. In recent years, the movement has spread to other countries as well. In 1961 a diploma course in dental hygiene was established in the Faculty of Dentistry, Dalhousie University.

The dental hygienist is a university educated and legally qualified auxiliary to the dental profession. Under the direction of a dentist, the hygienist makes a significant contribution to preventive dental health service by promoting dental health through educational activities in schools, clinics, and private dental offices. Certain preventive dental treatments are performed for patients. The hygienist makes an important contribution to the efforts being made to improve the dental health of the people of Canada.

Many dental hygienists are employed in private dental offices. There are, however, other areas of practice such as local governments and schools, provincial and federal government departments, industry, hospitals and teaching in schools of dental hygiene.

Courses in the program in dental hygiene are offered within the Faculties of Arts and Science, Medicine and Dentistry. The School of Dental Hygiene is located on Carleton Campus at Dalhousie University.

University regulations applicable to the students of all Faculties are found in the general section of this Calendar.

### Provincial Regulations

Students are reminded that the Diploma in Dental Hygiene is not the only requirement for admission to practice in any province. The regulations for admission to practice are established by the licensing board of the province in which the person desires to practice. Information on these requirements may be obtained from the respective Dental Registrars whose names and addresses may be obtained from the Office of the Dean.

### Diploma

A two-year program leading to a Diploma in Dental Hygiene.

### Entrance Requirements

A student may be admitted to the School of Dental Hygiene by fulfilling the following requirements:

### Admission

The student must have completed Nova Scotia Grade XII (or its equivalent) with a minimum of 60% in five academic subjects — three of which must include English, (Applicants whose native language is French may substitute classes in French for classes in English, however, instruction at Dalhousie is in English and the applicant must be proficient in English), Chemistry and Biology. The remaining two subjects may be chosen from Mathematics, Sciences, History and Languages. One of the two subjects, however, may be chosen from additional subjects offered in high schools and not mentioned above and approved through the Faculty of Arts and Science.

### Admission of Applicants Educated in U.S.A.

The minimum entrance requirement for candidates from the United States is high school graduation with exceptionally high standing (high CEEB scores and/or advanced placement work). Normal admission to the first year of the Dental Hygiene course requires completion of one year of study (minimum 30 semester hours) at an accredited institution of higher learning in the U.S.A.; students so admitted will not be granted advanced standing.

Further information can be obtained by writing to the Admissions Office at Dalhousie.

### Application Procedure

Persons who have satisfied the entrance requirement may apply for admission. Applications must be made on the regular application forms, and must be submitted to the Office of the Registrar by February 1st in order to be considered for admission in the following year. Applications must be complete to be considered by the Admissions Committee. However, applications filed by the deadline can be completed any time up to June 30th and will be considered when completed if unfilled places remain in the entering class. Preference will be given to residents of the Atlantic provinces, but applications by qualified students from other provinces or countries will be considered.

A new application form must be submitted each year in which application is made. Official transcripts in support of the academic record must be forwarded by the Institution or Institutions at which the applicant completed pre-profession studies. If the applicant is still engaged in university studies, it would be advantageous to forward an interim transcript. However, a final transcript must be forwarded on completion of these credits.

To ensure physical and mental fitness, a medical and dental certificate (which are part of the official application forms) must be completed on behalf of each applicant.

Three confidential evaluation forms are to be forwarded directly to the Registrar. At least one of the forms should be from a teacher or faculty



member in one's most recent year of study, who has taught the applicant. The remaining form(s) should be from someone (not a relative) well known in the applicant's community.

An application will not be considered if the applicant has been required to withdraw from studies at any other School of Dental Hygiene at the request of the Faculty of that institution, unless the application is supported by a recommendation from the Dean of that School. In exceptional circumstances, certain of these regulations may be waived or modified by the Faculty Admissions Committee.

Applicants may be requested to make themselves available for an interview.

## Academic Year

The academic year for the first year in Dental Hygiene begins in early September and continues until the latter part of May. The academic year for the second year in Dental Hygiene begins early September and continues until the latter part of April. Classes begin immediately after the regular registration date. Late registration will be permitted only under exceptional circumstances and with the approval of the Dean.

## Class Work and Promotion

Students must prepare such exercises, reports, etc., as may be prescribed, and in classes involving laboratory or practical work they must complete such work satisfactorily before any credit for that class can be given.

A student will not be permitted to enter the class of any year until she has passed in all subjects of the previous year.

## Examinations

In order to qualify for admission to examinations, candidates must attend the prescribed classes of the curriculum regularly and punctually. Under ordinary circumstances, candidates will not be considered qualified for admission to examinations if absences have exceeded 10% of the prescribed class hours.

## Course Grades

Upon completion of a course a student is awarded a grade of A+, A, A-, B+, B, B-, C, D, FM, or F. In this system A+ is the highest passing grade and D is the lowest passing grade; FM is a failing grade that allows an otherwise qualified candidate to take a supplemental evaluation; F is a failing grade disqualifying the student from further evaluation without repeating the course.

The faculty concerned is responsible for defining the requirements for grades A, B, C, D, FM, and F. If faculty also wishes to award any of the grades A+, A-, B+, B-, definitions of these requirements must be available as well.

## Grade Point Equivalents and Averages

Grade point equivalents are used to calculate grade point averages, which in turn are used to determine class standing and as factors in determining recipients for prizes and awards.

Grade	Point Equivalent
A+, A, A-	4
B+, B, B-	3
C	2
D	1
FM, F	0

## Calculation of Average

Each course is assigned a weight based on its length and the mix of lecture, laboratory or clinical components. An individual student's point

equivalent for each course is multiplied by the course weight. The student's grade point average is calculated by adding up the weighted grade point equivalents earned for all the separately numbered courses for the academic program year and dividing by the sum of the course weight for all classes.

## Supplemental Examinations

A candidate who has received FM grades in not more than two subjects of any year and who has attained the required grade point average of 2, is entitled to supplemental examinations in such subjects, provided she is qualified in attendance and class work for admission to examination. A candidate who has failed in more than two subjects in any one year or who has received an F grade in any course or has received a grade point average less than 2, does not receive any credit for work done in that year.

Supplemental examinations are held on the day specified in the academic Calendar, and during the regular examinations in the Spring, but at no other times and are written at Dalhousie unless approval is obtained to do otherwise.

Other forms of supplemental evaluations may be prescribed for different aspects of the program such as laboratory and clinical assignments. These are carried out in periods determined by the Faculty.

Application for admission to a supplemental examination must be made on or before July 15th on the application form which may be obtained from the Dean of Dentistry's Office and must be accompanied by the proper fee.

On passing a supplemental examination or evaluation the candidate receives no higher than the lowest passing grade.

## Promotion and Graduation

First-year students are not promoted unless they have passed all subjects and obtained a grade point average of 2.0. Students in second year cannot graduate unless they have passed all subjects, obtained a grade point average of 2.0 in all clinical subjects, a grade point average of 2.0 in all didactic subjects, and an overall grade point average of 2.0.

## Instruments, Equipment, Textbooks

All instruments, equipment, and supplies are provided on loan by the University. Students are responsible for broken or damaged equipment and instruments. There is a \$200.00 fee for the use of instruments. Students must purchase uniforms and lab coats of a specified quality and style as well as the textbooks required for each of the classes.

Students desiring further information may write to the Director, School of Dental Hygiene, Dalhousie University. Those desiring to submit applications for admission should write directly to the Office of the Registrar, Studley Campus, Dalhousie University, Halifax, Nova Scotia, B3H 3J5.

## Academic Program

The following classes are required for a Diploma in Dental Hygiene:

### First Year

**Chemistry — 105:** Study as related to the needs of dental hygiene.

**Dental Anatomy — D1501C:** Structure of human teeth: reproductions of tooth forms by drawings and carvings.

**Preclinical Dental Hygiene (1) — D1502R:** Objectives and principles of oral hygiene, instrumentation in oral prophylaxis, laboratory and clinical practice of techniques.

**Dental Biomaterials Science — D1331A:** Study of materials used in dentistry; lectures, demonstrations, and laboratory exercises. The class



on Dental Biomaterials for the dental hygiene students is approximately 40 hours. Emphasis is placed upon instructing the student as to the reasons why specific materials are employed, and the ways in which these materials react to the oral environment.

**English:** An introductory class in College English. (See English 100 in the Arts and Science section of the Combined Undergraduate Calendar).

**Correlative Craniofacial Embryology and Histology — D1101R:** The objective of this class is to introduce the subject of craniofacial embryology and histology and to make it clinically relevant by correlating developmental, microscopic, anatomic, and clinical aspects of the subject. Both developmental and pathologic correlates are discussed. This class is offered jointly by the Department of Oral Biology, Faculty of Dentistry and the Department of Anatomy, Faculty of Medicine for both first year dental students and first year hygiene students jointly.

**Anatomy — 103C:** This is a one-half credit class taught by the Department of Anatomy in the Faculty of Medicine and designed especially for Dental Hygiene students. Scope and sequence are coordinated with Physiology 101C which is taken concurrently.

**Physiology — 101C:** This is a one-half credit class taught by the Department of Physiology and Biophysics in the Faculty of Medicine. The lectures are coordinated with Anatomy 103C which is taken concurrently.

**Microbiology — 100A:** Study of microorganisms.

**Periodontics — D1342B:** This class begins in first year and is continued in second year. It is a study of diseases affecting supporting structures of the teeth.

**Radiology — D1221R:** A series of lectures, laboratory exercises and clinical training, covering the technical aspects of radiology and the hazards and safety of radiation.

**Dental Hygiene Restorative — D1505R:** Instruction in restorative procedures. This class includes lecture and laboratory procedures in the placing, contouring and finishing of all plastic restorations in prepared teeth.

**Psychology — 1401B:** A special class to meet the needs of the profession commencing in second term and continuing in second year.

**Nutrition and Biochemistry — D1004R:** Aspects of Biochemistry relevant to nutrition are discussed in connection with each nutrient.

**Dental Health Education — 1504B:** Introduction to recent oral hygiene concepts. Using simple patient simulation exercises, students are encouraged to develop dynamic approaches to patient education. Review of oral hygiene aids.

## Second Year

**Clinical Dental Hygiene (2) — D2502R:** Clinical practice in routine dental hygiene procedures including predental techniques and the exposure of radiographs.

**Dental Specialties — D2504R:** Idiosyncrasies of treatment within the dental specialties.

**First Aid — D2003A:** St. John Ambulance certificate course.

**Cardiopulmonary Resuscitation (CPR) — D2004A:** Nova Scotia Heart Foundation certificate course.

**Pharmacology — D2021B:** Pharmacology of drugs used in dentistry.

**General and Oral Pathology — D2111A:** The study of the basic principles concerning disease in general and those affecting the hard and soft tissue structures of the oral cavity in particular. Rotation to the Mouth Clinic and clinical aspects of diseases of the mouth are included in this class.

**Sociology:** See Sociology 1000, in Faculty of Arts and Science Calendar.

**Clinical Dental Hygiene — D2331R:** Clinical Restorative Dentistry — Clinical practice of techniques of restorative dentistry.

**Applied Nutrition for Preventive Dentistry — D2002A:** Concerned with the changing nutritional needs throughout the life cycle with particular emphasis to their application in preventive dentistry. Also concerned are some of the socio-economic and cultural determinants of food habits.

**Periodontics — D2332A:** Continuation of the study of oral manifestation of disease affecting supporting structures of the teeth, commenced in the first year.

**Psychology — 2401R:** Continuation of the relation begun in first year of this subject area to the specific needs of the profession.

**Orientation to Dental Practice — 2402B:** A series of lectures on topics in practice management of special interest to the dental hygienist, including an introduction to principles of management, selection of personnel, job hunting skills, management skills, office systems and processes, and professionalism.

**Dental Hygiene Jurisprudence — 2403B:** A series of lectures on topics relating to the responsibilities of both the dentist and the dental hygienist, including principles of law, dental standards, interpersonal legal relations, consent to treatment, patient records, licensure and discipline, human rights legislation, malpractice insurance, employment contracts, and the hygienist as expert witness.

**Dental Hygiene Ethics — 2406A:** A series of lectures and seminars on ethics and their application in the dental hygiene field. Topics include beneficence, respect for autonomy, informed consent, paternalism, distribution of care, prevention vs. crisis treatment, and models of health and disease.

**Health Education — 2501R:** Program planning, instructional methods and media used in teaching oral health, including nutrition counselling related to dental disease control, smoking and oral health, and fluoridation. Extensive field experience is arranged.

**Seminar on Special Needs Populations — 2503R:** Student discussions (seminar format) on selected populations including the elderly, the medically compromised patient, and the disabled. Second semester student presentations on topics of own choice.

**Patient Management Seminars — D4311R:** A series of monthly seminars which focus on clinical patient care activities of third and fourth year dental students as well as second year dental hygiene students and dental assisting staff. Occasional chart audits provide a focus



for assessing the management capabilities of students in each vertical group.

**Dental Oncology — 2312A:** The study of dentistry in relation to the patient receiving cancer treatment.



# Faculty Scholarships, Bursaries and Prizes

## First Year Entrance Scholarships

A scholarship of \$1,000 is awarded to the student entering the first year of Dentistry who has the highest scholastic standing in the imperative university courses required for admission into the Faculty of Dentistry according to Dalhousie University standards and provided that his average was not less than 75% and having had no subject below 50% in his university experience.

## Undergraduate Scholarships

A scholarship of \$1,000 is awarded to the student entering the second year of Dentistry who attained the highest scholastic standing in his first year of Dentistry at Dalhousie provided that his grade point average was not less than 3.0 with no subject below a grade of C.

A scholarship of \$1,000 is awarded to the student entering the third year of Dentistry who attained the highest scholastic standing in his second year of Dentistry at Dalhousie provided that his grade point average was no less than 3.0 with no subject below a grade of C.

## Entrance and In-Course Scholarships

Additional Entrance and In-Course Scholarships are available to Dental Hygiene Students and they are portable amongst other University Undergraduates Programs.

**The Dr. I.K. Lubetsky Scholarship:** A scholarship of \$500.00 to the student of Third Year who has demonstrated the greatest proficiency in the practice of Clinical Oral Surgery, provided an overall grade point average of 3.0 has been achieved in that year.

## Undergraduates Bursaries

**The Dr. D. Brendan Macneil Bursary:** The income from this recommendation of a committee of the Dental Faculty, to a member of the final year class at the commencement of the Fall term. It is awarded to the student who, in the opinion of the committee, shows evidence of actual financial need and who, by scholarship and attitude towards his responsibilities, has met the requirements of the award. Application deadline — November 30th.

**The Dr. F.L. Miller Memorial Bursary:** The income from this fund may be awarded annually to a second-year Dental Student who has demonstrated financial need. Preference is given, but not strictly limited to, a New Brunswick student.

**The Sidney D. Campbell Memorial Bursary:** The income from this fund may be awarded annually to a third-year dental student who has demonstrated financial need and who, by scholarship and character,

appears deserving of this assistance. Application deadline — November 30th.

**The Jennifer Wright Memorial Bursary:** The income from this fund may be awarded annually to a second year Dental Hygiene student who has demonstrated financial need. Preference is given to, but not strictly limited to, a Nova Scotia student.

## Government Subsidies

The Canadian Armed Forces have introduced a plan to assist dental students who enroll in the Canadian Forces Dental Services. In addition to pay and allowances for the rank in which the student is enrolled, provision is made for payment of tuition, instruments, supplies, and an allowance for books. Full details of the Dental Officer Training Plan may be obtained from the nearest Canadian Forces Recruiting Centre.

The governments of some Canadian provinces offer subsidies to dental students who agree to serve in the Department of Public Health for a specified number of years following graduation. Students should direct inquiries to the Department of Public Health in the Province in which they reside or intend to practice.

## Prizes and Medals

The following Prizes and Medals may be awarded on recommendation of faculty concerned. A student who does not pass in all subjects of that year is not eligible to receive prizes and awards. In instances where students appear to be tied for prizes and awards, Faculty may use additional information about the student's performance as a basis for determining the recipient.

### Fourth Year Dentistry Students

**University Medal in Dentistry:** This medal is awarded on graduation to the student who has a grade point average of 3.0 or over in the final year and a grade point average of 2.5 or over in the entire professional course, or who in the opinion of the Faculty merits this award. A failure in any year makes a student ineligible. Only one medal will be awarded in any year, and other students reaching the medal standard receive "honourable mention" in order of merit.

**The Dr. Frank Woodbury Memorial Prize:** For the highest average in all subjects: books to the approximate value of \$100.

**The Dr. Frank Woodbury Memorial Prize:** For the second highest grade point average in all subjects: books to the approximate value of \$50.

**The Dr. Frank Woodbury Memorial Prize:** For the greatest proficiency in Clinical Practice: books to the approximate value of \$50.

**The Dr. William W. Woodbury Memorial Prize:** For greatest proficiency in Orthodontics: books to the approximate value of \$50.

**Dr. John W. Dobson Memorial Prize:** For the greatest proficiency in Periodontics: a cash prize of \$50 or books to that approximate value.

**The Modern Dental Laboratory Prize:** For greatest proficiency in Removable Prosthodontics: a book or books to the approximate value of \$50.

**The Quintessence Book Prize:** For the highest marks in Oral Diagnosis: a book or books to the approximate value of \$50.

**The Canadian Society of Oral and Maxillofacial Surgeons Prize:** For greatest proficiency in Oral Surgery in his third and fourth year aggre-



gate: selected book or books.

**The American Association of Endodontists Prize:** For exceptional ability in Endodontics: a one-year subscription to *Oral Surgery, Oral Medicine and Oral Pathology*; and a one-year Student Membership in the American Association of Endodontists.

**The American Academy of Periodontology Prize:** For the outstanding student in Periodontics: a one-year subscription to the *Journal of Periodontology*.

**The Canadian Associated Laboratories Ltd. Prize:** A final year award of a book selected by the donor and given to the student who demonstrates greatest proficiency in Clinical Fixed Prosthodontics.

**The American Academy of Dental Radiology:** For exceptional interest and accomplishment in Dental Radiology: membership in the Academy; and a one-year subscription to *Oral Surgery, Oral Medicine and Oral Pathology*.

**The American Society of Dentistry for Children:** For an outstanding student in Dentistry for Children: membership in the Society; and a one-year subscription to the *ASDC Journal of Dentistry for Children*.

**The American Academy of Gold Foil Operators Prize:** For outstanding qualities as a scholar and clinician in Operative Dentistry, with proficiency in accomplishing direct gold restorations: a one-year subscription to the *Journal of Operative Dentistry*.

**Academy of Dentistry for the Handicapped Award:** This is an award available to the student demonstrating the greatest proficiency in a project concerned with the handicapped dental patient. Applications and details are available from the Academic Awards Committee. The award consists of an associate membership in the Academy, a subscription to the Academy's journal, and a certificate.

**American Academy of Oral Medicine Prize:** For greatest proficiency in Oral Medicine: certificate, one-year membership, and subscription.

**The Quintessence Award:** For excellence in Clinical Achievement in Periodontics: a one-year subscription to the *International Journal of Periodontics and Restorative Dentistry*.

**The Johnson and Johnson Prize:** For proficiency and interest in Practice Management: a cash award of \$100.00 donated by the Johnson and Johnson Company.

### Third Year Dentistry Students

**The Dr. J. Stanley Bagnall Memorial Prize:** For the highest grade point average in all subjects: books to the approximate value of \$100.

**The International College of Dentists Award (Canadian Section):** For a combination of scholastic record, general character and participation in extracurricular activities during the third year; a cash award of \$350. donated by the International College of Dentists (Canadian Section).

**The Nova Scotia Dental Association Prize:** For the second highest grade point average in all subjects: books to the approximate value of \$50.

**The Canadian Academy of Periodontology Prize:** For the greatest proficiency in Periodontics: books to the approximate value of \$85.

**Atlantic Orthodontic Society Prize:** For the greatest proficiency in theoretical and clinical Orthodontics: a book or books to the approximate value of \$50.

**The Dr. W.H.H. Beckwith Prize:** For the greatest proficiency in Operative Dentistry: a book or books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Removable Prosthodontics: a book or books to the approximate value of \$50.

**The C.V. Mosby Book Prize:** For the greatest proficiency in Fixed Partial Prosthodontic Technique: a book or books to the approximate value of \$50.

**The Dr. F.A. Godsoe Prize:** For the greatest proficiency in Systemic and Oral Pathology: a cash award of \$150 donated by the New Brunswick Dental Society.

**The W.B. Saunders Prize:** For the most significant improvement in third year: a one-year subscription to *Dental Clinics of North America*.

**The Halifax County Dental Society Award:** For the best, second best and third best presentation in Table Clinic: cash awards of \$75, \$50 and \$25 respectively.

**Table Clinic Fourth Prize:** For the fourth best presentation in Table Clinic: a cash award of \$25.

**Third-Year Clinic Practice Prize:** For the greatest proficiency in clinical practice in the third year: cash or books to the approximate value of \$50.

**The Dr. D.E. Williams Prize:** For the greatest proficiency in Clinical and Didactic Pedodontics: books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Dental Auxiliary Utilization: a book or books to the approximate value of \$50.

**The Johnson and Johnson Prize:** For proficiency and interest in Dental Public Health: a cash award of \$100 donated by the Johnson and Johnson Company.

### Second Year Dentistry Students

**\*The Charles Bell Memorial Prize:** For the highest grade point average in all subjects: a book or books to the approximate value of \$100.

**\*The Charles Bell Memorial Prize:** For the second highest grade point average in all subjects: a book or books to the approximate value of \$50.

**The C.V. Mosby Book Prize:** For the greatest proficiency in Microbiology: a book or books to the approximate value of \$50.

**The Canadian Associated Dental Laboratories Prize:** For the greatest proficiency in Removable Prosthodontics: a book or books to the approximate value of \$50.

**\*The Dr. H.M. Eaton Memorial Prize:** For the greatest proficiency in Radiology: books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Pharmacology: a cash award of \$50.



**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Orthodontics: a book or books to the approximate value of \$50.

**The Dr. David Manuel Memorial Prize:** For the greatest proficiency in Clinical Preventive Dentistry: a book or books to the approximate value of \$50.

**The Quintessence Publishing Company Prize:** For proficiency and interest in Preventive Dentistry: a book or books to the approximate value of \$50.

### First Year Dentistry Students

**\*The Charles Bell Memorial Prize:** For the highest grade point average in all subjects: a book or books to the approximate value of \$100.

**\*The Charles Bell Memorial Prize:** For the second highest grade point average in all subjects: a book or books to the approximate value of \$50.

**The Dr. F.A. Godsoe Prize:** For the greatest proficiency in Dental Anatomy: a cash award of \$150 donated by the New Brunswick Dental Society.

**The Dr. F.A. Godsoe Prize:** For the greatest proficiency in Operative Dentistry: a cash award of \$150.

**The C.V. Mosby Book Prize:** For the greatest proficiency in Biochemistry: a book or books to the approximate value of \$50.

**The Saint John Dental Society Prize:** For the greatest proficiency in Physiology: a book or books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Anatomy: a book or books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Dental Biomaterials Science: a book or books to the approximate value of \$50.

**The Nova Scotia Dental Association Prize:** For the greatest proficiency in Correlative Craniofacial Embryology and Histology: books to the approximate value of \$50.

### Second Year Dental Hygiene Students

**The Katie Lubetski Memorial Prize:** or the highest grade point average in all subjects: a cash award of \$50.

**The Nova Scotia Dental Hygienist Association Prize:** For second highest average in all subjects: a cash award of \$50.

**The Columbia Dentoform Prize:** For greatest proficiency in patient management and patient education: a Columbia Dentoform Model.

**The Nova Scotia Dental Hygienists Association Prize:** For the best and second best Table Clinic presentation: a cash award of \$60 and \$40 (or half these amounts in the case of two students working together).

**The Anne Rafuse Memorial Prize:** For the greatest academic and social contribution to the class: a book or books to the approximate value of \$50.

**The Alice Hartlen Memorial Prize:** For the student demonstrating the greatest originality and creativity in community projects in the Health Education Course, a cash award of \$50.

**The Johnson and Johnson Prize:** For proficiency in Community Dentistry courses: a cash award of \$100 donated by the Johnson and Johnson Company.

**The Halifax County Dental Society Prize:** For the greatest proficiency in clinical Dental Hygiene, a cash award of \$50.

### First Year Dental Hygiene Students

**The Katie Lubetski Memorial Prize:** For the highest grade point average in all subjects: a cash award of \$50.

**The Halifax County Dental Society Prize:** For the second highest grade point average in all subjects, a cash award of \$50.

**The Nova Scotia Dental Association Prize:** For greatest proficiency in Pre-Clinical Dental Hygiene: a \$50 cash award.

**\*Note:** These prizes have been supplemented from funds provided through an annual contribution of the Nova Scotia Dental Association.

## Loan Funds

**University Loans:** The amount of money available for loans to students in Dentistry is quite limited. Loans are available to students in any year of study. Applications for such loans may be made to the Awards Office.

University loans bear interest from the first of the month immediately following graduation, or in the case of a student who does not continue his course, from the date of his last attendance. All loans are secured by a note signed by the student and co-signed by a person who is satisfactory to the university. All loans are to be repaid within one year from the date interest begins.

An information brochure is available from the Awards Office.

**Canada Student Loans:** Information concerning Canada Student Loans is available from chartered Canadian banks and the Dalhousie Awards Office.



# Academic Staff

## Dean

Ian C. Bennett, BDS (Liverpool), DDS (Tor.), MSD (U. of Wash.), FACD, FICD

## Assistant Dean for Academic Affairs

John Eisner, DDS (Alta.), PhD (Mich.)

## Secretary of Faculty

Douglas V. Chaytor, DDS (Dal), MSc (Ohio St.), Cert. Pros. (Ohio St.), MRCD(C)

## Professors Emeriti

R.H. Bingham, DDS (Dal) FICD, Professor of Oral Diagnosis, and a member of Faculty from 1955.

George Murray Dewis, DDS (Dal), FACD, FICD, Professor of Prosthodontics and a member of Faculty from 1940

Kenneth MacFarlane Kerr, DDS (Dal), Cert. Pros. (Ohio St.), FICD, FRCD(C), Professor of Prosthodontics and member of Faculty from 1950

Isaac Kenneth Lubetsky, DDS (Dal), Professor of Oral Surgery and a member of Faculty from 1934

## Professors

I.C. Bennett, BDS (Liverpool), DDS (Tor.), MSD (U. of Wash.), FACD, FICD, Professor of Pedodontics

D.V. Chaytor, DDS (Dal), MSc (Ohio St.), Cert. Pros. (Ohio St.), MRCD(C), Professor of Prosthodontics

M.M. Cohen Jr., AB (Mich.), DMD (Tufts), MSD, PhD (Minn.), FCCMG, Professor of Oral Pathology

A.H. Ervin, DDS (Dal), MSc (Ohio St.), Cert. Pros. (Ohio St.), Professor of Prosthodontics

D.W. Jones, BSc, PhD (Birmingham), FI Ceram., Professor of Dental Biomaterials Science

F.W. Lovely, DDS (Dal), MS (Mich.), FRCD(C), FICD, Professor of Oral Surgery

J.D. McLean, DDS (Tor.), FICD, FACD, FRCD(C), Professor of Fixed Partial Prosthodontics

D.G. Pentz, DDS (Dal), Cert. Perio. (Tufts), Professor of Periodontics

## Adjunct Professor

S.M. Brayton, BSc, DDS, Cert. Endo (Tufts), FRCD(C), Dip ABE Adjunct Professor of Endodontics

## Associate Professors

N.H. Andrews, BSc, DDS (Dal), Dip. Perio. (Walter Reid Hosp.), Associate Professor of Periodontics

L.J. Archibald, DDS (Dal), Associate Professor of Operative Dentistry

W.B. Barro, BSc (Acadia), DDS (Dal), MCID, Associate Professor of Orthodontics

D.P. Cunningham, DDS (Tor.), MSc (Queen's), Dip. Pedo. (Tor.), Director of Clinics and Associate Professor of Pedodontics

J.E. Eisner, DDS (Alta.), PhD (Mich.), Associate Professor in Pediatric & Community Dentistry

A.K. ElGeneidy, BDS, DDS (Alexandria), MScD, DScD (Boston), DDS (Dal), FDSRCS (Lon.), Associate Professor of Oral Diagnosis

G.H. Faulkner, BSc (Dal), DDS (Dal), Associate Professor of Operative Dentistry

J. Findlay, LDS (RFPSCG), PhD (Glasgow), DDS (Tor.), FRCD(C), Associate Professor of Periodontics

E.M.C. Franklin, DFC, CD, BSc (Acadia), DDS (Dal), Associate Professor of Operative Dentistry

B. Graham, DDS (Tor.), MS, Cert. Pros. (Ohio St.), MRCD(C), Associate Professor of Prosthodontics

E.J. Hannigan, DDS (Dal), MS (Boston), Associate Professor of Periodontics

B.B. Harsanyi, BA (Colegio Alic Block), DDS (Columbia), MS (Oregon), DDS (Dal), FRCD(C), Associate Professor of Oral Pathology

R.E. Hoar, DDS (Dal), MSc (Texas), Cert. in Maxillofacial Prosthodontics; Associate Professor of Prosthodontics

D.S. Precious, DDS (Dal), MSc (Dal), FRCD(C), Associate Professor of Oral Surgery

P.M. Pronych, BA (Sask.), DDS (Dal), MS, Cert. Pedo (Ohio St.), Associate Professor of Pedodontics

T.E. Spracklin, BA (Acadia), DDS (Dal), MScD (Tor.), FRCD(C), Associate Professor of Orthodontics

E.J. Sutow, BSc (Penn. St.), PhD (U. of Penn.), Associate Professor of Dental Biomaterials Science

O.P. Sykora, BA (Sir Geo. Wms.), MA (Mont.), DDS (McG), PhD, (Mont.), Associate Professor of Prosthodontics

W.I. Vogan, BDS (St. Andrews), DDS (Dal), Dip. Perio. (USC), Associate Professor of Periodontics

## Assistant Professors

K. Abramovitch, BSc, DDS (McG), Cert. Dent. Diag. Sci. (U. of Texas), MS (U. of Texas), Assistant Professor in Oral Diagnosis

C.A. Bain, BDS (Glasgow), DDS (Dal), Cert. in Perio., Cert. Fixed Pros., MScEd (Penn.), Assistant Professor in Periodontics

R.A. Bannerman, BSc (Dal), DDS (Dal), MScD (Ind.), Assistant Professor of Operative Dentistry

A.K. Bhardwaj, BDS (Lucknow), DDS (Dal), FRCD(C), Assistant Professor of Oral Surgery

T. Blackmore, BSc (StFX) BEng (NSTC) DDS (Dal), Assistant Professor of Operative Dentistry

R.M. Brygider, DDS (Man.), Cert. Fixed & Rem. Pros. (Med. US Carolina), Cert. Max. Pros. (Roswell Park), Assistant Professor of Prosthodontics

G.A. Burk, BSc (Dal), DDS (Dal) Cert. Perio (Tufts), Assistant Professor of Endodontics

G.M.D. Conrad, DDS (Dal), Assistant Professor of Restorative Dentistry

P.L. Cyr, DDS (Dal), MSc (Dal) FRCD(C), Assistant Professor of Periodontics

A.A. Drysdale, MDCM (Dal), FRCP(C), Assistant Professor of General Anesthesia

D.A. Eisner, DDS (Dal), Dip. Ortho. (Tor.), FRCD(C), FICD, Assistant Professor of Orthodontics

R.A.I. Epstein, DDS (Dal), Assistant Professor of Pedodontics

M.M. Fitch, BSc (McG), DDS (McG), Cert. Perio. (Dal), MRCD(C), Assistant Professor of Periodontics

G.M. Foshay, BSc (MtA), DDS (Dal), Cert. Perio. (Penn.), MRCD(C) Assistant Professor of Periodontics

J.R. Fraser, DDS (Dal), Assistant Professor of Fixed Partial Prosthodontics

D.C. Gordon, BSc (Acadia), DDS (McG), FACD, Assistant Professor of Fixed Partial Prosthodontics

A.E. Hoffman, DDS (Dal), FRCD(C), Assistant Professor of Oral Surgery

R.E. Howell, DDS (Loma Linda), Cert. Oral Path. (USC Med. Ctr.), Assistant Professor of Oral Pathology



## ACADEMIC STAFF/1984 GRADUATES

T.D. Ingham, BSc (UNB), DDS (Dal), Assistant Professor of Pedodontics  
 G. Jackson, DDS (Tor.), DDPH (Tor.), Assistant Professor of Community Dentistry  
 G.M. Jensen, DDS (Dal), MSc (Man.), Assistant Professor of Orthodontics  
 T.C. Larder, DDS (Dal), Cert. Endo. (Tufts), Assistant Professor of Endodontics  
 W.R. LeMay, DDS (Marquette), MPH (Minnesota), Assistant Professor of Community Dentistry, Director of Patient Care  
 J.G.L. Lovas, BSc (Tor.), DDS (Tor.), MSc (UWO), Assistant Professor of Oral Pathology  
 R.M. MacDonald, BSc (StFX), DDS (Dal), Assistant Professor of Operative Dentistry  
 E.L. MacInnes, (Col.), DDS, FRCD(C) (Tor.), Assistant Professor of Oral Surgery  
 W. MacInnes, BSc (Dal), DDS (Dal), Assistant Professor of Operative Dentistry  
 M.L. MacPhee, DDS (Dal), Cert. Perio. (Dal), Assistant Professor of Periodontics — Leave of Absence  
 D.A. Miles, BA (UWO), DDS (UWO), MS (Texas, SA), Assistant Professor of Oral Diagnosis  
 D.J. Morrow, DMD, MSc, PhD, (Man.), Cert. Perio (Dal), Assistant Professor of Periodontics  
 D.J. Murphy, BA (St. Mary's) DDS (Dal), Cert. Oral and Maxillo. Surg. (NY) FRCD(C), Assistant Professor of Periodontics  
 R.B.T. Price, BDS (Lon.), LDS, RCS (Eng) MSc(Michigan), Assistant Professor of Fixed Prosthodontics  
 M.R. Roda, DDS (Dal), MSD (Dal), Cert. in FPP (Indiana), Assistant Professor of Fixed Prosthodontics  
 V.B. Shaffner, DDS (Dal), MScD (Ind.), Assistant Professor of Fixed Partial Prosthodontics  
 E.L. Smith, BA (Bishops), DDS (McG), MCID (Western), Assistant Professor of Orthodontics  
 J. Sterrett, BSc (Vir.), DDS (Tenn.) Cert. in Perio. (Dal), Assistant Professor of Periodontics  
 A.N. Swanzey, BA (UBC), DDS (Dal), Assistant Professor of Dentistry  
 G.L. Terriss, BSc (StFX), BCL (UNB), DDS(Dal), MSc (Rochester), Cert. Pedo. (Rochester), Assistant Professor of Pedodontics  
 B.A. Wright, BDS, (Lon.) LDS, RCS (Eng.), DDS (Dal), MS (Indiana), MD (Dal), Assistant Professor of Oral Pathology — Leave of absence

**Lecturers**

P.W.H. Amys, BSc (Dal), DDS (Dal), Lecturer in Operative Dentistry  
 D.E. Bonang, DDS (Dal), Lecturer in Operative Dentistry  
 T.L. Boran, DDS (Dal), Lecturer in Restorative Dentistry  
 P. Bourque, BSc (MtA), DDS (Dal), Lecturer in Orthodontics  
 H.W. Brogan, BSc (Acadia), DDS (Dal), Lecturer in Operative Dentistry  
 B.P. Chedraoui, DDS (Gothenburg), Lecturer in Orthodontics  
 J.S. Christie, DDS (Dal), Lecturer in Operative Dentistry  
 J.M. Creighton, BSc (Dal), DDS (Dal), Lecturer in Operative Dentistry — Leave of absence  
 L.P. Erickson, BSc, DDS (Dal), Lecturer in Orthodontics — Leave of Absence  
 B.G.E. Gregg, RDH (Dal), BA (St. Mary's), Lecturer in Oral Diagnosis  
 C. Hawkins, DDS (Dal), MSc (Washington), Lecturer in Periodontics  
 J.F. Houlton, BDS (Bristol), FDSRCS (Eng.), DDS (Dal), Lecturer in Pedodontics  
 T.H. Ibrahim, BSc, DDS (Dal), Lecturer in Operative Dentistry  
 S.R. Keddy, BSc (McG), DDS (Dal), Lecturer in Operative Dentistry  
 R.J. Konopasky, BA (Windsor), MA (UWO), PhD (Windsor) Lecturer in Community Dentistry

W.E. Larder, DDS (Dal), Lecturer in Operative Dentistry  
 B.G. Latwaitis, BSc (St. F.X.), BEd (St. F.X.), DDS (Dal), Lecturer in Oral Diagnosis  
 D.C.T. MacIntosh, DDS (Dal), Lecturer in Oral Diagnosis  
 W.A. Maillet, BSc (Mt. A.), DDS (Dal), Lecturer in Operative Dentistry  
 J.A. Miner, BSc, MSc, (Acadia) DDS (Dal), Lecturer in Dental Biomaterials Science  
 A.D. Morrison, DDS (Dal), Lecturer in Oral Diagnosis  
 A.L. Nette, DDS (Dal), Lecturer in Oral Diagnosis  
 L. Peacocke, BSc (Dal), DDS (Dal), Lecturer in Oral Diagnosis  
 R.W. Pentz, DDS (Dal), Lecturer in Operative Dentistry LOA  
 L.E. Rozovsky, BA, (UNB) LLB, (Tor) Lecturer in Community Dentistry  
 M. Seyward, BSc (Guelph), MSc, DDS (Dal), Lecturer in Removable Prosthodontics  
 L. Shore, BSc (Mt. A.), DDS (Dal), Lecturer in Operative Dentistry  
 L. Smith, DDS (Tor.), Lecturer in Operative Dentistry  
 P. Stirling, DDS (Dal), MSc (Dal) FRCD(C), Lecturer in Oral Surgery  
 R.E. Thomas, BSc (Alta.), DDS (Alta.), Lecturer in Operative Dentistry  
 A.M. Zwicker, BSc (Dal), DDS (Dal), Lecturer in General Dentistry  
 G.S. Zwicker, BSc (Acadia), DDS (Dal), Lecturer in Oral Diagnosis

**Instructors**

D.E. Buchanan, BSc (UWO), DDS (UWO), Instructor in Operative Dentistry  
 M.G. Doyle, DDS (Dal), Instructor in Dentistry  
 D.P. Haas, DDS (Dal), Instructor in Operative Dentistry — Leave of absence  
 N. Kaplan, BDS (Stellerbosch, Cape Town), Instructor in Operative Dentistry  
 R.L. MacNeil, DDS(Dal), Instructor in Dentistry  
 S. Roberts, BSc (Dal), DDS (Dal), BComm (St. Mary's), MBA (St. Mary's), Instructor in Pedodontics

**School of Dental Hygiene**

P.M. Larder, Dip DH (Dal), BS in ED (Northeastern), MSc (Dal), Assistant Professor of Dental Hygiene, Acting Director of the School of Dental Hygiene  
 E. Andrews, BSc (Acadia), RDA (NSIT), Dip DH (Dal), Lecturer in Dental Hygiene  
 G.P. Brown, Dip DH (Dal), BA (St. Mary's), Lecturer in Dental Hygiene  
 G.M. Butt, Dip DH (Dal), BA (St. Mary's), Assistant Professor of Dental Hygiene  
 T. Drake, Dip DH (Dal), Instructor in Dental Hygiene  
 E. Forrest, Dip DH (Dal), Instructor in Dental Hygiene  
 G. Kaiser, Dip DH (Dal), Instructor in Dental Hygiene  
 G. Kilcup, Dip DH (Dal), Instructor in Dental Hygiene  
 M.E. Kinnear, Dip DH (Dal), Lecturer in Dental Hygiene  
 K.F. MacDonald, Dip DH (Forsyth), BS (Boston), MEd (Dal), Associate Professor of Dental Hygiene  
 T. Mitchell, Dip DH (Dal) BSc (Dal), Lecturer in Dental Hygiene  
 D.L. Mitton, Dip DH (Dal), Lecturer in Dental Hygiene  
 S. O'Connor, BSc (Dal) Assoc. Degree Dental Hygiene (Springfield), Lecturer in Dental Hygiene  
 N. Prowse, BA (Acadia), Dip DH (Dal), Lecturer in Dental Hygiene

**1984 Graduating Class in Dentistry**

Beaton, Eric Malcolm, New Glasgow, N.S.  
 Burke-Brundige, Sharon Elizabeth, Halifax, N.S.  
 Chase, Paul Wayne, Saint John, N.B.  
 Chima, Sucharn Steve S., Toronto, Ont.  
 Cieplinski, Menashe, Halifax, N.S.  
 Conrad, John William, Moncton, N.B.



Hupman, Terry William, Dartmouth, N.S.  
 Johnson, Patricia Lee, Sherbrooke, P.Q.  
 Lam, Bill Sam, Moncton, N.B.  
 Lewis, Susanne Marie (Beaton), New Glasgow, N.S.  
 MacDonald, Alan Edison, Belfast, P.E.I.  
 MacDonald, Margaret Anne, St. John's Nfld.  
 MacDonald, Marjorie Love, St. John's Nfld.  
 MacLeod, Evelyn Louise Moore, Leitches Creek, N.S.  
 MacMurdo, Edward Bayfield, Summerside, P.E.I.  
 Mailman, Kim Arnold, Dartmouth, N.S.  
 Parker, Larry Phillip, Germiston, S. Africa  
 Presse, William John, Halifax, N.S.  
 SanSouci, Richard Paul, Whitinsville, Mass. U.S.A.  
 Simms, Harry Benjamin, St. John's Nfld.  
 Trider, Donald James, Dartmouth, N.S.  
 Walker, Brian Peter, Charlottetown, P.E.I.  
 Walsh, Donald Joseph, St. John's, Nfld.

### 1984 Graduating Class in Dental Hygiene

Aucoin, Gwendolyn Marie, New Waterford, N.S.  
 Bacongallo, Chona Carey, Moncton, N.B.  
 Billett, Paula Marie, Sydney, N.S.  
 Britt, Danna Rosemary, Saint John, N.B.  
 Cadeau, Cheryl Anne, Dartmouth, N.S.  
 Cooper, Katherine Anne, Halifax, N.S.  
 Cormier, Paulette Marie, St. Antoine, N.B.  
 Cribby, Karen Lynne, Dartmouth, N.S.  
 Goold, Shari Lynn, Sussex, N.B.  
 Goulding, Gail Suzette, Grand Falls, Nfld.  
 Graham, Kimberley Beth, Sussex Corner, N.B.  
 Kennedy, Marcia Maureen, Port Hawkesbury, N.S.  
 Killorn-Boudreau, Maureen Louise, Halifax, N.S.  
 Kuchynshi, Cindy Ann, Tacoma, Wa., U.S.A.  
 Kuiper, Johanna Jacoba, Nepean, Ont.  
 Landry, Catherine Mary-Allyson, Digby, N.S.  
 MacKinnon, Joe-Ann, New Waterford, N.S.  
 Malloy, Karen Elaine, Antigonish, N.S.  
 Pitman, Helen Elizabeth, Halifax, N.S.  
 Rice, Andrea Lynn, Moncton, N.B.  
 Sexton, Jennifer Lynn, Corner Brook, Nfld.  
 Staples, Wanda Mary, Ottawa, Ont.  
 Stephens, Bethany Zella, Charlottetown, P.E.I.  
 Thistle, Colette Ann, Sydney, N.S.  
 Vu, Huyentran Thi, Halifax, N.S.  
 Waldman, Susan Laura, River Denys, N.S.  
 White, Bonnie Jeanne, Antigonish, N.S.  
 Wolfe, Patricia Lynn, Truro, N.S.  
 Wright, Jennifer Jill, Armdale, N.S.

### 1984 Graduating Class in MSc (Oral Surgery)

McFadden, Lelan Robinson, Edmonton, Alta.

### 1984 Graduating Class in Certificate in Periodontics

Derakhshan, Naser, Alberta  
 Fitch, Monique M., Ont.



# Institutes and Centres

A number of special institutes for study and research in specific fields are based in the University. Among these are:

## The Institute of Public Affairs

Acting Director: Michael S. Cross, BA, MA, PhD

Aided by a grant from the Rockefeller Foundation, Dalhousie University established its Institute of Public Affairs in 1936. The Institute was conceived as an experimental centre, a bridge between University and community in the area of social science and public policy.

The work of the Institute involves applied research and continuing education in four program areas: (1) social and economic policy studies; (2) public administration; (3) industry, with programs for developing management capability, for training labour leadership, and for developing effective management-labour relationships; and (4) community service. Institute activities focus on matters of regional, provincial, and local concern.

While the Institute of Public Affairs has no direct responsibilities towards academic programs, many of the Institute's educational and research projects involve faculty members of academic departments and schools of Dalhousie University and other universities. Moreover, Institute staff members teach at the graduate and undergraduate levels, and regularly are invited to consult and to participate in research programs of University departments. In the past, Institute research activities have provided opportunities for graduate students to participate in studies related to their own academic pursuits.

The Institute's full-time staff comprises professionals in economics, geography, political science, sociology, psychology, adult education, business management, and public administration. This core staff is augmented by persons who hold joint appointments in the Institute and other departments of the University; in addition, over fifty visiting fellows, special lecturers, researchers, and resource persons contribute to the Institute's work.

The recently completed Henson Centre, on the southeast corner of University Avenue and Seymour Street, is designed as a conference centre for the Institute's own programs and as a community meeting facility. Institute staff are available to assist groups in organizing and conducting workshops, seminars, and other events. The Institute of Public Affairs Library serves the Institute's own research staff, and is open to students and faculty of the University and to the general public. The Institute Publications Unit, which publishes and distributes Institute-related studies, conference reports, occasional papers and reprints, has a current list of more than one hundred titles.

## The Atlantic Institute of Criminology

Director: Robert C. Kaill, BA, MDiv, MA, PhD

The Atlantic Institute of Criminology has been established to provide a criminological research and career-development facility in the Atlantic Region, equivalent to those existing in other regions of the country. Scholarships for graduate students in Criminology have already been announced for the current academic year. An interdisciplinary graduate program in criminology is also projected.

Policy for the Atlantic Institute of Criminology is the responsibility of an Advisory Board comprising twelve representatives from the academic and professional community of the region. Associate memberships are available to interested and qualified persons. Workshops and training courses provide opportunities for professional development for employees of the Criminal Justice system in the Atlantic Region.

## Dalhousie Ocean Studies Program

Director: Edgar Gold, BA, LLB, PhD, FNI, MCIT, MRIN

The Dalhousie Ocean Studies Program (DOSP) was established in the summer of 1979, chiefly as the result of a major five-year negotiated grant from the Social Sciences and Humanities Research Council of Canada and substantial support by Dalhousie University. DOSP's current research activities include: (1) economic zone policy and legislation studies; (2) marine pollution regulation studies; (3) Canadian shipping law and policy studies; (4) studies of ecosystem management problems in the Gulf of Maine and Bay of Fundy; (5) Nova Scotia rural coastal community studies; (6) maritime boundary delimitation studies; (7) studies of ocean law, policy and management in the Eastern Caribbean; and (8) bibliographical services in ocean law, policy and management. Extension into further study areas is planned. DOSP has also undertaken training responsibilities in the field of ocean law, policy and management in conjunction with other institutions, and participates in a wide range of conference and workshop activities in many parts of the world.

## The Institute of Oceanography

Director: Anthony J. Bowen, MA, PhD

Established in 1959, the Institute has received continuous support through grants from the National Research Council of Canada. It forms part of a major marine research establishment in the Halifax area and maintains the Aquatron Laboratory, a marine research facility containing large seawater tanks and controlled-environment labs. The facility is available to researchers from universities, governments, and the private sector.

## The Atlantic Research Centre for Mental Retardation

Director: M.W. Spence, MD, PhD

Established in 1967, the Centre conducts basic biomedical research and population studies in the field of mental retardation. It also provides education in this field to undergraduate and graduate students and the general public. Special tests and consultative services for the prevention and treatment of diseases causing mental retardation are provided by the Centre. The Centre's professional staff hold appointments in various departments of the Faculty of Medicine. Its work is supported by grants from agencies such as the Medical Research Council of Canada, the Department of National Health and Welfare, the Scottish Rite Charitable Foundation of Canada, and the governments of the three Maritime provinces, and by private donations.

## The Atlantic Region Magnetic Resonance Centre

Director: W.E. Jones, BSc, MSc, PhD

Established in 1982 with assistance from the Natural Sciences and Engineering Research Council, the Centre is concerned with teaching and research programs in magnetic resonance. The Centre has modern nuclear magnetic resonance (NMR) and electron spin resonance (ESR) instruments including a 360 MHz Narrow Bore Nicolet NMR instrument. In addition to providing well-equipped laboratories and instrumentation for resident and visiting faculty, research scientists and students, the Centre provides NMR spectra and expertise to scientists of eleven universities and research institutes in the Atlantic Region.

## The Centre for Foreign Policy Studies

Director: Robert Boardman, BSc, PhD

Established in 1971 with the assistance of a grant from the Donner Canadian Foundation, the Centre is concerned with teaching, research and other professional activities in various aspects of foreign policy and international politics. The work of the Centre is concentrated in the following areas: Canadian Foreign Policy, Maritime and Strategic Studies, and International Political Economy and Developmental Studies. Geographical specializations include African, Chinese, European and American foreign policy.



The Centre is affiliated with the Department of Political Science at Dalhousie University. Centre faculty offer courses in the Department on international relations, foreign and defence policy at both undergraduate and graduate levels. They also supervise masters and doctoral students in these fields.

### **The Trace Analysis Research Centre**

Director: D.E. Ryan, BSc, MA, PhD, DIC, DSc

With the assistance of a grant from the National Research Council, the Centre was established in 1971 to train analytical chemists and, through research, to contribute to the advancement of analytical chemistry. A major facility of the Centre is a low-power nuclear reactor (SLOWPOKE) which is available to researchers within Dalhousie and elsewhere.

### **The Institute for Resource and Environmental Studies**

Director: A.J. Hanson, BSc, MSc, PhD

This Institute was established in 1973 with a supporting grant from the Province of Nova Scotia. It provides a mechanism for coordinated and interdisciplinary research on natural resource management and environmental problems of applied significance in Canada or abroad. The Master of Environmental Studies graduate degree program is offered through the Institute.

### **The Centre for African Studies**

Director: T.M. Shaw, BA, MA, PhD

This Centre, established in 1975, coordinates a teaching and research program in African Studies. Its staff hold primary appointments in departments in the social sciences and the humanities. It organizes postgraduate/staff seminars on Africa and encourages interdisciplinary interaction at all levels on African subjects and issues.

### **The Centre for International Business Studies**

Director: A.M. Rugman, BA, MSc, PhD

The Centre was established in 1975 with the aid of a grant from the Department of Industry, Trade and Commerce. Its purposes include the provision of specialist training in international business studies and research in international business. It carries out these functions within the administrative framework of the School of Business Administration.

### **The Canadian Centre for Marine Transportation**

Director: John Gratwick, BSc

Established in 1977 with federal and provincial support, the Centre encourages interdisciplinary studies of marine transportation issues from a Canadian perspective. Centre research studies are funded by various public and private sector sources. Student research assistantships which result, provide research experience in the marine transportation field. The Centre also facilitates graduate student applications for "Transportation Fellowships" offered annually by Transport Canada.

### **Centre for Regional and International Development Projects**

Director: R.I. McAllister, MA, Dipl. Econ. Dev., MA

Associate Director: F.M. Cleland, BA, MPI

Established on January 1, 1979, this Centre fosters involvement by Dalhousie faculty and students in selected Canadian regional and international economic development projects including exchange programs for faculty and students. The Centre is responsible for the direction of a number of training and applied research projects in Ghana, Zimbabwe, the European Economic Community, and in Northern and Eastern Canada. The Centre fosters interdisciplinary seminars on development issues and publishes reports and papers undertaken by the Centre. Project support is from a variety of sources, including the Canadian International Development Agency, Council of Maritime Premiers, Institute for Research on Public Policy, and several provincial governments.

### **Centre for Research in Sensory Psychology and Medical Physics**

Director: D.M. Regan, BSc, MSc, DIC, PhD, DSc

Established in 1979, the Centre is supported by grants from the MRC, NSERC, Multiple Sclerosis Society of Canada, NEI (DHEW) and the U.S. Air Force. It links the Departments of Physiology and Physics with the Departments of Medicine, Ophthalmology, Otolaryngology, Pediatrics and Psychiatry. Its aims are (a) to carry out research into diseases that affect vision, hearing and the central nervous system, and (b) to carry out research into visual guidance of vehicles and aircraft.

### **Centre for Marine Geology**

Director: J.M. Hall, BSc, PhD

The Centre for Marine Geology was founded in 1983 to promote the interdisciplinary study of the continental margins and the sea floor. The Centre draws on the faculty and resources of the Departments of Geology, Oceanography and Physics and others. The objectives of the Centre are: (1) to expand the university's leading role in international studies of the oceanic crust, (2) to participate with industry and government in the geological aspects of oil and gas development on Canada's east coast and (3) to continue research on sedimentation and the recent history of the Canadian offshore.



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Dr. A.J. Tingley

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Dr. W.E. Jones

Dr. J.A. McNulty

Dr. R.S. Rodger

## Observer for Faculty Association

Dr. A.J. Young

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Dr. A.M. Sinclair, BA, MA, B Phil, PhD, *Academic & Research*

Dr. R.O. Fournier, MSc (Wm. & Mary), PhD (URI), *Assistant Vice-President (Research)*

### Deans of Faculties

*Arts and Science:* D.D. Betts, BSc, MSc, PhD

*Dentistry:* I.C. Bennett, BDS, DDS, MSD, FACD, FICD

*Graduate Studies:* K.T. Leffek, BSc, PhD, FCIC (Chem.)

*Health Professions:* R.S. Tonks, B. Pharm., PhD

*Law:* William H. Charles, BA, LLB, LL.M., to June 30, 1985.

Innis M. Christie, BA, LLB, LL.M., from July 1, 1985.

*Management Studies:* N. Horrocks, BA, MLS, PhD, FLS, ALAA

*Medicine:* J.D. Hatcher, MD, PhD, FRCP(C)

### Other Administrative Officers

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Associate Registrar: W.D. Courier, BSc, MSc, PhD

Associate Registrar: M.F. Crowell, BA

Associate Registrar: M. MacGillivray, BA

Assistant Registrar: J.A. Redden, BA

Dean of Student Services: E.T. Marriott, BA, MEd

Dean of Continuing Education: M.S. Cross, MA, PhD

Executive Director, Computer and Information Services: Peter Jones

Coordinator and General Administrator, Cultural Activities: J. Wilkes

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Director of Public Relations: R.J. Bowman, BA, MEd

Dean of Women: Christine Irvine, B Comm

Dean of Men: P. Donahoe, BA, MA

Manager, University Services: J.W. Graham, BComm

Director, Counselling & Psychological Services: J. Hayashi, BA, MA

Director, University Health Services: J.P. Johnson, MB, ChB

Director, Personnel Services: M.J. Roughneen, BA

Director, Awards: G.G. Steedman, BA

Director, Finance: M.J. Wright

Director, Research Services: Christine Nielsen, BSc

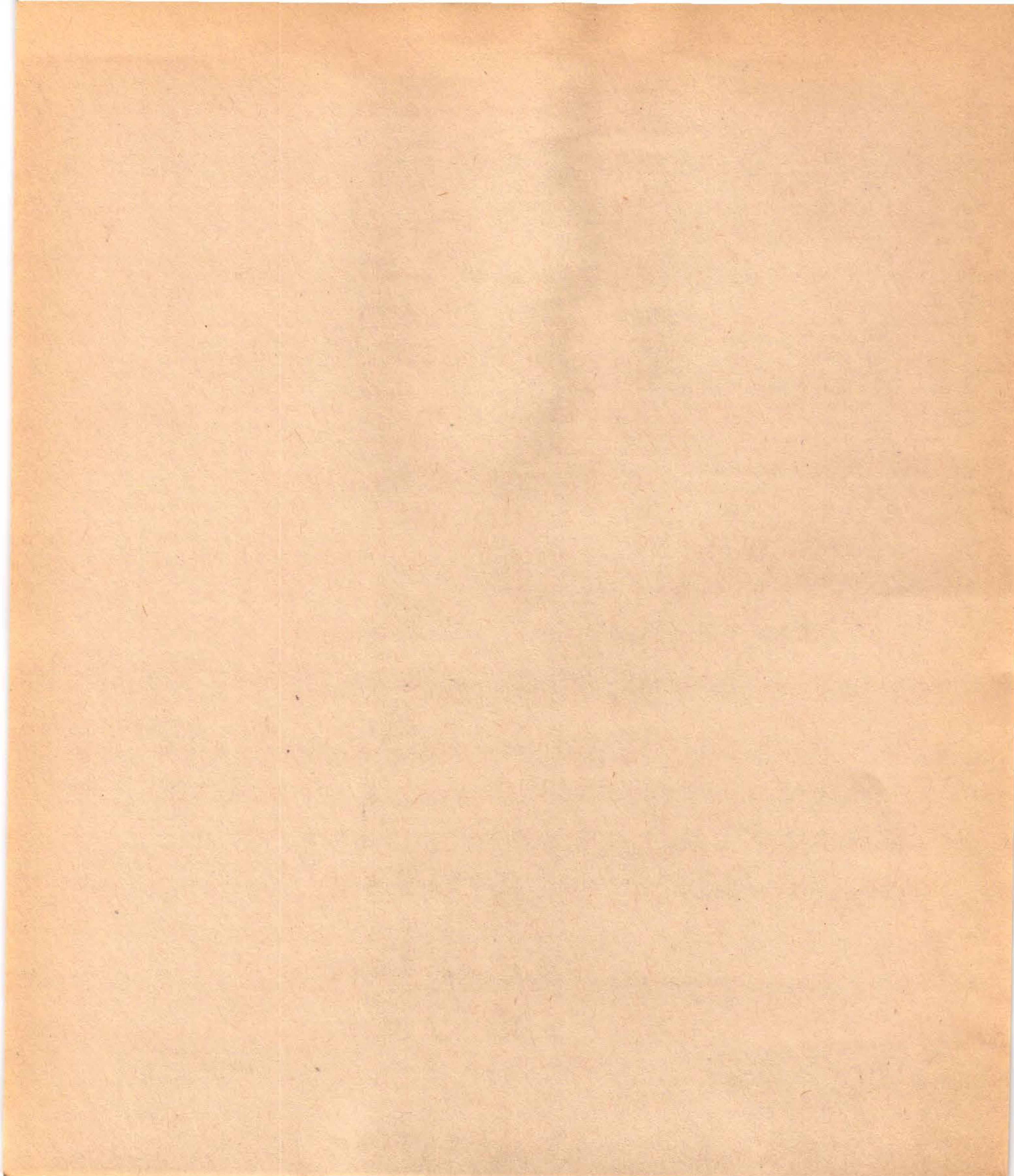


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