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Boston University Bulletin: School of Graduate Dentistry: 1967-1969
August 31, 1967

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Boston University
School of Graduate Dentistry

This bulletin contains current information regarding the calendar, admissions, degree requirements, fees, regulations, and course offerings. The policy of the University is to give advance notice of change, whenever possible, to permit adjustment; however, the University reserves the right to make changes whenever it is deemed desirable.

BOSTON UNIVERSITY BULLETIN

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BOSTON, MASSACHUSETTS 02118
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Calendar
1967–1968

FIRST SEMESTER

Registration and Orientation, 10 A.M.
Instruction begins, 8 A.M.
Columbus Day: classes suspended
Veteran’s Day: classes suspended
Thanksgiving Recess begins, 12 NOON

Classes resume, 8 A.M.
Christmas Recess begins, 5 p.m.

Classes resume, 8 A.M.
Examination Period (Clinics in session)

SECOND SEMESTER

Registration
Classes begin, 8 A.M.
Washington’s Birthday: classes suspended
Patriots’ Day: classes suspended
Examination Period (Clinics in session)

Clinics in session for non-graduating students

Commencement

CLINICAL SUMMER SESSION

Clinics for all second-year students—as scheduled

1967

Friday, September 8
Monday, September 11
Thursday, October 12
Saturday, November 11
Wednesday, November 22
Monday, November 27
Friday, December 15

1968

Tuesday, January 2
Monday, January 8–
Friday, January 12

Monday, January 15
Monday, January 15
Thursday, February 22
Friday, April 19
Thursday, May 9–
Wednesday, May 15
Monday, May 13–
Wednesday, May 29
Wednesday, May 22

Monday, May 20–
Thursday, September 5
**Calendar**
1968–1969

**FIRST SEMESTER**
- Registration and Orientation, 10 A.M.
- Instruction begins, 8 A.M.
- Columbus Day: classes suspended
- Veterans Day: classes suspended
- Thanksgiving Recess begins, 12 NOON
- Classes resume, 8 A.M.
- Examination Period (Clinics in session)

**SECOND SEMESTER**
- Registration
- Classes begin, 8 A.M.
- Patriots’ Day: classes suspended
- Final Examinations (Clinics in session)
- Commencement

**CLINICAL SUMMER SESSION**
- Clinics for all second-year students—as scheduled

1968
- Friday, September 6
- Monday, September 9
- Saturday, October 12
- Monday, November 11
- Wednesday, November 27
- Monday, December 2
- Monday, December 16–Friday, December 20

1969
- Monday, January 6
- Monday, January 6
- Saturday, April 19
- Thursday, May 8–Wednesday, May 14
- Wednesday, May 21
- Monday, May 19–Wednesday, September 5
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Boston University

History of the University

The origin of Boston University is found in the action taken at a convention of New England friends of improved theological training, held in Boston in April, 1839. For the next twenty-eight years the School thus founded conducted its work at Newbury, Vermont, and later at Concord, New Hampshire. In 1867 it was transferred to Boston where it was called the Boston Theological Seminary until it became the School of Theology in Boston University.

On May 26, 1869, the Commonwealth of Massachusetts made Isaac Rich (1801-1872), Lee Claflin (1791-1871), and Jacob Sleeper (1802-1889), their associates and successors, "a body corporate forever," under the name of the Trustees of Boston University. In establishing Boston University as a means of promoting learning, virtue, and piety in the useful and liberal arts and sciences, these founders were moved by a long series of American and English activities for higher education, reaching back through a century or more to Lincoln College of Oxford University.

In its beginnings Boston University provided a true educational barometer for its era. Within five years, by 1874, six additional units of instruction, located in the Beacon Hill area, were thriving: law, music, oratory, liberal arts, medicine, and the graduate school of "all sciences." Young and vigorous, with high ideals of educational service, the University rapidly developed an increasingly competent faculty and a growing body of students. As Boston moved westward the University moved with it. The Copley Square area became its new center.

Today, Boston University has located its educational plant along the historic Charles River. Academic and administrative facilities, residence halls, and science laboratories are centered here. The academic programs, likewise, have been coordinated and consolidated. Thus, students in each college have available to them the rich resources of all 16 Schools and Colleges of the University.

The University has developed in the spirit of broad tolerance and service with which its founders endowed it, standing with doors open to men and women of all races and religions, an enduring monument to its founders—Isaac Rich, Lee Claflin, and Jacob Sleeper.
The Campus

Charles River Campus

The Charles River Campus extends over 35 acres and stretches along Commonwealth Avenue on one side and the Charles River on the other. To the west, beyond Boston University Bridge, is Nickerson Field and the residence halls on West Campus; to the east is Kenmore Square and other residence halls. The Daniel L. Marsh Chapel on the plaza is a center of nonsectarian worship. (See map at the end of the catalog.)

Within this span lies the University's classroom facilities, libraries, laboratories, residence halls, gymnasium, and administrative offices. The campus includes all the 16 Schools and Colleges except for the Schools of Medicine and Graduate Dentistry which are situated in the South End of Boston near their affiliated hospitals.

Contributing to the Boston skyline are the towers and buildings of the University with the "high-rise" structures—the Law-Education building, the George Sherman Union, and the new Mugar Memorial Library. These buildings face the Charles River from the Bay State Road side of the campus and afford a distinctive and panoramic view of Boston and Cambridge.

Libraries

The new central Mugar Memorial Library serves all of the Schools and Colleges in the University. It holds 700,000 volumes—with a possible expansion to 1,400,000—and has a seating capacity of 2,300. Along with more space for books comes increased convenience in their use, as well as new and improved facilities for microform and map use, photocopying, and typing. Study carrels are available by assignment for graduate students.

Periodicals, theses, and pamphlets supplement the book collection. With the exception of assigned texts, special reserves, bound periodicals, and reference works, books may be circulated for two weeks.

Laboratories

At the University laboratories are provided for research and training in disciplines ranging from the physical sciences to the dramatic arts. On the Charles River Campus are the physical science laboratories for biology, chemistry, and...
School of Graduate Dentistry

physics, and the engineering laboratories. Expanded medical science laboratory facilities are at the Medical Center campus. Other main campus laboratories are those for the humanities, languages, mental health, nursing, psychology, social sciences, and the practicing arts, as well as a computation center. The Boston University Theatre, a full-sized professionally equipped facility on Huntington Avenue, serves as a workshop for the dramatic arts.

Special Academic Units

African Studies Center. The African Studies Center offers a graduate program for research and teaching on an interdisciplinary basis, with primary emphasis on the social sciences. Specialized training in African Studies is provided to advanced students interested in research, teaching, and nonacademic careers.

The Center for the Study of Liberal Education for Adults. The Center for the Study of Liberal Education for Adults assists colleges and universities in this country and abroad to develop greater effectiveness and a deeper sense of responsibility for the liberal education of adults. The Center works directly with institutions or associations related to higher education for adults; it provides consultation services, maintains a clearinghouse of relevant information on liberal education for adults, organizes colloquia, and operates a publications program, including a semimonthly newsletter.

Human Relations Center. The Human Relations Center focuses on problems of change in group, intergroup, and community relationships through instruction, research, and community service; provides fellowships for the University’s graduate students majoring in human relations; and offers consultation and collaboration with faculty members and with leaders and members of student organizations.

Boston University Medical Center. Boston University Medical Center, created by agreement between the Trustees of Boston University and the University Hospital, is a semiautonomous agency with the basic objective of developing an integrated program of education, scientific investigation, and health service. Present constituent units are the Boston University School of Medicine, the Boston University School of Graduate Dentistry, and the University Hospital.

Metrocenter. Boston University Metrocenter provides research, service, and teaching facilities to assist community leaders and residents in handling the problems of metropolitan life. Special units at present include Metropolitan College, Law-Medicine Institute, Area Development Center, Insurance Institute, and Office of Conference Development.
George Sherman Union

A center of campus life for students, faculty, alumni, and guests is the George Sherman Union. Here both resident and commuting students participate in a full program of cultural and social activities and services. The facilities include dining rooms, a coffee shop, lounges, a browsing library, music-listening lounge, TV viewing rooms, conference and meeting rooms, a ballroom, conference auditorium, an exhibition gallery, games area, billiards room, bowling lanes, the main University bookstore, a post office, and offices for student organizations. The University information-reception center is also located here.

Conference and Education-Recreation Centers

Sargent Camp. Boston University Sargent Camp is located in Hancock and Peterborough in the Monadnock region of southern New Hampshire. It is used by elementary schools for conservation and science education classes, by Sargent College students, and by University and New England community groups as a conference center.

Osgood Hill. The Osgood Hill Conference Center is located in North Andover, Massachusetts, which is 30 miles north of Boston on Route 125. It is a 153-acre estate and is ideally organized to accommodate meetings and symposia. There are several large conference rooms and smaller functional rooms; facilities for overnight guests and meals are available.

Students From Other Countries

The International Student Center at 118 Bay State Road serves as the focal point for international student services and programs on the campus. The director and staff of the Center have responsibilities for advising admissions officers on foreign student applications, determining linguistic and financial qualifications and administration of immigration regulations concerning eligibility for study in this country (including extensions of stay, employment permits, enrollment status, attendance, withdrawals, and departures). The Center also provides special orientation programs and counseling services to assist students from abroad in adjusting to a new academic and cultural environment.

The social and cultural program of the Center includes a variety of activities for international students such as educational films, discussion groups, nationality dinners, guest speakers, folk and social dances, home hospitality, field trips, and informal receptions. The annual international festival provides an opportunity for students from countries around the world to display and interpret the arts, crafts, music, and drama of their cultures as a contribution to better international understanding.
The Center furnishes information on study, work, and travel opportunities abroad, and maintains liaison with various governmental and private agencies concerned with educational exchange.

**Veterans and Selective Service**

**Veterans.** Students sponsored by the Veterans Administration or a branch of the Armed Services must be certified in advance of registration through the Boston University Veterans and Selective Service Center.

The "Veterans' Readjustment Assistance Act of 1966, Public Law 358, 89th Congress, As Amended," was signed into law on March 3, 1966. The War Orphans Educational Assistance Act and the Veterans Administration program for certain disabled veterans are still in force.

**Selective Service System.** The Center is also the official liaison between this University and all Selective Service System local boards and the various components of the Armed Services.

Inquiries should be addressed to the Director, Veterans and Selective Service Center, 226 Bay State Road, Boston, Massachusetts 02215. The Center is open Monday through Friday, 9:00 A.M. to 4:45 P.M.
In recognition of the increasing interdependence of medical education, medical research, and health service, the Boston University Medical Center was established in 1962. Operating semiautonomously but as an integral part of the University, the Medical Center joins and consolidates the resources and activities of the Boston University School of Medicine, the Boston University School of Graduate Dentistry, and the University Hospital. Its affairs are managed by a Director and Trustee Council. The Director of the Medical Center also holds appointments as Vice President for Medical Affairs at Boston University and as Executive Vice President of the University Hospital. Of the twenty authorized members of the Trustee Council, four are appointed from among the Trustees of Boston University and three from among the Trustees of the University Hospital.
Organizationally, the Boston University Medical Center has a number of affiliates in addition to its three constituent members. These affiliates at present include: Boston City Hospital, Boston State Hospital, Robert Breck Brigham Hospital, Carney Hospital, Forsyth Dental Center (Boston), Framingham Union Hospital, Huggins Hospital, Medfield State Hospital, Monadnock Community Hospital, James J. Putnam Children’s Center, Lemuel Shattuck Hospital, Douglas A. Thorn Clinic for Children, U.S. Naval Hospital (Chelsea), U.S. Public Health Service Hospital (Brighton), and Veterans Administration Hospitals in Boston, Brockton, and Providence, R.I.

Established for the broad purpose of promoting and maintaining better health in contemporary society, the Center has as one of its early goals the increase of medical student enrollment in order to help meet the national shortage of physicians. In order to accomplish this and other important goals, plans are drawn and are being implemented for a major development program for the Center.
School of Graduate Dentistry

Boston University School of Graduate Dentistry was established in October 1963 as an integral part of Boston University Medical Center. It is intended to provide graduate education in the various specialties of dentistry. With establishment of Boards of Certification, eight distinct dental specialties are now recognized: Oral Surgery, Orthodontics, Periodontics, Endodontics, Pedodontics, Prosthodontics, Oral Pathology, and Public Health Dentistry. Boston University School of Graduate Dentistry provides curricula in these specialties. Its prime objectives include not only the provision of the training necessary for clinical specialization, but also the development of teachers and investigators in the clinical and basic sciences related to dentistry; these goals are interrelated.

The School of Graduate Dentistry has antecedents dating back to 1958, when Boston University School of Medicine established a Department of Stomatology to provide postdoctoral education in dentistry. Enrollment for full-time graduate study has tripled since that time. The dynamic expansion of the departmental teaching activities and enrollment, coupled with the growing need for graduate education in dentistry, led to a proposal early in 1962 by the School of Medicine and Boston University Medical Center that the activities in Graduate Dentistry be more appropriately identified. The President and Board of Trustees of Boston University adopted this proposal in 1963. Utilizing the teaching facilities of the entire Medical Center, the program emphasizes the interrelationship between diseases of the oral cavity and those of the remainder of the body. Thus, dental care for the individual is accomplished in a hospital environment within a total health program, freely utilizing communication and consultation between the training dental specialist and the affiliated medical departments.

Research is considered to be an essential phase of advanced education in dentistry. This discipline is designed to develop the investigative talents of those interested in such an opportunity, to bring into focus the numerous and complex dental and medical health problems in need of amplification or solution, and to add much-needed responsible investigators to the teaching-research community.
Adequate research preceptorship and facilities exist to accomplish these goals. The School of Graduate Dentistry, in close liaison and cooperation with the School of Medicine and University Hospital, reciprocally utilizes interdisciplinary research talents and facilities.

The School of Graduate Dentistry includes (1) departmental subdivisions devoted to training in the eight dental specialties, (2) a Program for Continuing Education presenting short, intensive courses of interest to the general dental practitioner and specialist, and (3) a Program in Dental Assisting for young women who desire training in this ancillary dental field.

The programs in the various dental specialties lead to either a Certificate of Advanced Graduate Study (C.A.G.S.), a Master of Science in Dentistry (M.Sc.D.) degree, or to a Doctor of Science in Dentistry (D.Sc.D.) degree.

Programs leading to the Ph.D. degree are available through the Graduate School—Division of Medical Sciences. Qualified individuals, interested in intensive and advanced training in the preclinical sciences related to dentistry and medicine and desiring preparation for careers in research and teaching in these areas, are urged to apply. An established relationship with the School of Graduate Dentistry permits, when advisable, basic research related to oral problems. (Apply to Graduate School, 705 Commonwealth Avenue, Boston 02215.)

Clinical Facilities

University Hospital

University Hospital is a nonsectarian general hospital of the medical-center type, operated on a voluntary nonprofit basis. Most of the members of the hospital staff are on the faculties either of the School of Medicine or the School of Graduate Dentistry.

Hospital care is provided for medical, dental, surgical, and obstetrical conditions by members of the fifteen separate staffs, representing all of the major divisions of medicine and dentistry.

Thirty-five outpatient clinics provide ambulatory care and treatment; these clinics are held regularly. Complete dental care is provided in two clinics: one devoted to Orthodontics and the other to training and patient service in Periodontics, Endodontics, Prosthetic Dentistry, Pedodontics, Oral Surgery, and Oral Diagnosis. These facilities are fully equipped and staffed. Close direct supervision by a clinical teaching faculty is provided.

University Hospital serves as a principal teaching hospital for Boston University's School of Medicine and School of Graduate Dentistry. Close relationships and adjacent physical facilities provide convenient access to personnel and resources of these institutions.
During 1968–69 the principal clinical teaching activities of the School will be transferred to the new building of the School of Graduate Dentistry. Outpatient dental services will be performed in separate clinics grouped on two floors of the facility. Inpatient oral care will continue at University Hospital.

**Reisman Dental Clinic, Beth Israel Hospital**

This well-equipped-and-staffed dental clinic is essentially devoted to supervised graduate training in the specialties of Periodontics, Endodontics, Oral Diagnosis, and Pedodontics. Established liaison exists with its Departments of Oral Surgery and Prosthodontics, thus assuring complete patient care and opportunities for comprehensive treatment planning experience.

**Department of Dental Health, Town of Brookline, Massachusetts**

This direct affiliate of the School of Graduate Dentistry provides a portion of the clinical facilities and the teaching personnel necessary for training in Pedodontics and Public Health Dentistry. The members of its dental staff are on the Faculty of the School. A well-equipped outpatient clinic and adequate patient load assure full and diversified clinical experience.

**Boston State Hospital**

Located in Mattapan and operated under the aegis of the Massachusetts Department of Mental Health, this large modern institution is equipped in every way for the study and care of the mentally ill and offers exceptional opportunities for teaching in dentistry.

**Kennedy Memorial Hospital**

Located at 30 Warren Street, Brighton, this general pediatric hospital is licensed for pediatrics and rehabilitation; it is nonsectarian, voluntary, and nonprofit. Considerable emphasis is placed on acute pediatric problems, total rehabilitation programs for children with orthopedic conditions or disorders of the nervous system, and the child with a minimal handicap such as speech impairment or hearing loss. The philosophy of treatment is the team approach; no one specialty can render all necessary care to a patient or achieve the hospital’s primary goal of a functioning, adjusted future member of the community. The Dental Department provides complete pedodontic and oral surgical care; preventive dentistry is additionally emphasized. All graduate students in Pedodontics, under the guidance of a staff member, perform dental care in both the outpatient department and the operating room, where indicated.
Forsyth Dental Center

Situated at 140 The Fenway, Boston, this institution emphasizes pediatric dental care, the training of dental hygienists, postdoctoral studies in many areas of dentistry, and diversified research in the sciences fundamental to dentistry. The Center became an affiliate of Boston University Medical Center in 1966.

Founded in 1910, the Forsyth Dental Center pioneered the concept of dentistry as a special field of medicine and is one of the largest dental research and postdoctoral training centers in the world. With one of the world’s largest endowments in dental medicine and a high annual research budget, Forsyth’s Institute for Research and Advanced Study is one of the most heavily subsidized of any independent or university research counterpart in the nation.

A number of specific arrangements for joint utilization of research and training facilities, personnel, and programs between Forsyth Dental Center and Boston University School of Graduate Dentistry have been outlined. Among the arrangements now planned for selected students and faculty, under appropriate circumstances are:

1. Enrollment of Forsyth graduate and postdoctoral students in School courses and clinical training programs.
2. Joint scientific seminars open to staff and students of both institutions.
3. Research training and guidance at Forsyth for selected dental students.
4. Opening of specialized Forsyth courses to dental school faculty and students.

Library

The library of the School of Medicine and the School of Graduate Dentistry is located on the second floor of the administration building (Building A) of the medical school. It contains approximately 40,000 medical and dental volumes and regularly receives current periodicals and serial publications. All of the important indexing publications are available. Well-selected monographs as well as new journal titles are constantly being added to the files. Equipment is available for use of microfilms and microcards as well as photocopying. Extensive interlibrary loan service is maintained. A well-trained staff is on hand to give aid to the reader.

An additional reference and study area will be available with the completion of the new building of the School of Graduate Dentistry in 1968.
Library Hours

During the School Year
  Monday–Friday 8:00 A.M. to 11:00 P.M.
  Saturday 9:00 A.M. to 5:00 P.M.
  Sunday 2:00 P.M. to 6:00 P.M.

June, July, August
  Monday–Friday 9:00 A.M. to 6:00 P.M.

Vacation Periods
  Monday–Friday 9:00 A.M. to 5:00 P.M.
  Saturday 9:00 A.M. to 12 NOON

Holidays
  Closed
Financial and General Information

Registration

Registration is conducted under the direction of the Office of the University Registrar. The student will receive detailed instructions from the School of Graduate Dentistry concerning the procedure to be followed during the published dates for registration.

Every student must register during the official registration period, the dates for which are set forth in the printed calendars in the front of this bulletin.

A fee of $25 will be charged if a student does not register during the official period. In no event may a student register later than one week immediately following the official registration period without the written approval of the Dean or other authorized person of the School.

University Fees 1967–1968

Tuition and fees are to be paid in full at time of registration either to Bursar's representatives or at the Office of the Bursar, 755 Commonwealth Avenue. If financing is not arranged through other sources, students may finance through the New England Merchants National Bank of Boston (see following section on Deferred Payment).

Checks should be made payable to Boston University.

No student may withdraw in good standing unless all current obligations to the University are paid.

The Trustees of the University reserve the right to change tuition rates or fees at their discretion whenever it is deemed advisable.

Tuition Fees

| Tuition | $1,700 per each academic year* |

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*Tuition deposits are credited to tuition charges (see section on Admission).
**Service Charges**

Application for admission ........................................... $10

Diploma Fee
Certificate of Advanced Graduate Study .............................. $10
Master’s and doctor’s degree ......................................... $25

Laboratory equipment fee (required of all students—payable with first semester’s tuition) ................................. $25

Medical insurance (required) ............................................ Varies by plan
Medical insurance is provided by a separate student Blue Cross plan in which membership is compulsory. Blue Shield is optional, but advisable.

Transcript (no charge for first request) .............................. $1
When two or more transcripts are ordered *at the same time*, the first copy is $1 and each additional copy is $.50. The fee must accompany the transcript order.

Late registration and payment ......................................... $25

Reissue of I.D. card ..................................................... $5

Graduate Facilities Use Fee ............................................ $25
Matriculated students who plan to use Boston University facilities while not enrolled for courses will be required to pay a Graduate Facilities Use Fee of $25 per semester (or summer term). This fee covers use of the libraries, laboratories, or other resources of the University for work on theses or dissertations, as well as the privilege of taking language, comprehensive, qualifying, and final oral examinations.

The student is charged at actual cost for any breakage or damage to University property. Library fines are charged by the librarian. All fees are nonrefundable.

**Deferred Payment**

For students and parents who wish to make payments on a monthly basis, the services of the New England Merchants National Bank of Boston are available through their Installment Loan Department at the Prudential Center. Contracts for all full-time students or students under 21 years of age must have the signature of a parent or guardian.

To use the New England Merchants National Bank plan, a student must register for a minimum of 3 credits for a minimum amount of $125.

**Withdrawal from the School**

To receive a credit to his tuition account, any student registered in the School of Graduate Dentistry who finds it necessary to withdraw from his course of study must submit a formal notice, in writing, to the Office of Admissions. When his withdrawal has been duly processed and the Bursar of the University is so notified, his account will be credited as follows. The tuition deposit of $200 made by the student within 20 days after his acceptance into graduate studies is nonrefundable.
Withdrawal within two weeks of registration  80 percent of tuition charge
Withdrawal within three weeks of registration  60 percent of tuition charge
Withdrawal within four weeks of registration  40 percent of tuition charge
Withdrawal within five weeks of registration  20 percent of tuition charge
Withdrawal five weeks after registration  No credit allowed

Refund balances as a result of withdrawal and credit balances in a student’s account resulting from overpayment or adjustments will be paid either to the student or parent.

Regulations Pertaining to Students who withdraw from the University to enter the Armed Services

Students who withdraw to enter the armed services prior to the end of the semester may be allowed academic credit at the discretion of the faculty of the School or College concerned. In no case, however, may full academic credit be allowed when the student withdraws before mid-semester. When full academic credit is given for the work of a semester, there shall be no refund of tuition.

Full-time students who withdraw to enter the armed services on an involuntary basis will receive a refund on the basis of time proration, provided no academic credit is earned. In addition, the student will have a deferred credit for that part of his tuition which was not refunded at the time of withdrawal, provided he returns to the University for full-time study within one year of his discharge from the armed services.

Students who withdraw to enter the armed services on a voluntary basis will receive a refund based on the established refund schedule of the University.

Absence

A student who is absent from school assignments must inform the Dean’s Office promptly of the reason for absence and its expected duration. All absences other than those necessitated by reason of health or emergency must receive the prior approval of the department chairman and the Dean or his representative.

Scholarships and Financial Aid

Each year the School of Graduate Dentistry awards some full- or partial-tuition grants-in-aid to students whose scholastic record and qualities of personality show promise of superior scholarship and whose financial resources require supplementation in order for them to attend the graduate school. These awards are renewed the following year provided the recipients achieve a superior record in their work. To apply for one of these awards, a candidate who files an application for admission should indicate on the application form that he also wishes to apply for a scholarship. If the candidate’s record indicates promise, he will be sent the scholarship application forms. No application for a scholarship can be considered until the candidate has completed his application for admission.
Awards are not made for the first semester of enrollment, but may begin at any
time thereafter.

The Committee on Financial Aid will consider a scholarship application as soon as
possible after it has been submitted. The applicant generally will be notified
within a reasonable period thereafter, but in some cases consideration must be
delayed until all applications have been received.

It is the School’s expectation that students receiving scholarship awards will feel
a sense of obligation to return a similar amount or more to the School of Graduate
Dentistry, when they are able to do so, in order to permit equal opportunities to
students of the future.

**Loan Funds**

**The Dorothy and Henry M. Goldman Loan Fund.** This fund is intended
for small loans to tide a student over in time of need. It is expected that the loan
will be paid within a reasonable period.

**Dr. Seymour Abrams Fund (1963).** A loan fund established in the memory of
Dr. Seymour Abrams, Assistant Professor of Orthodontics. Awards may be made
to assist graduate students in the Department of Orthodontics.

**Maxine Talkov Memorial Fund (1965).** A loan fund established in the mem­
ory of Mrs. Maxine Talkov, wife of Dr. Leo M. Talkov, Professor and Chairman of
the Department of Prosthetic Dentistry. Awards may be made essentially to aid
graduate students in the Department of Prosthetic Dentistry.

**Harold and Helen Berk Fund.** A loan fund, made possible through the con­
tributions of Dr. and Mrs. Harold Berk of Brookline, for students enrolled in either
the program in Pedodontics or the program in Endodontics.

**Bernard and Esther Chaikin Fund.** A fund, made possible by the donations
of Dr. Bernard Chaikin, Professor of Periodontology, Emeritus, and wife, to aid
students in the Department of Periodontology with small loans to meet sudden
needs.
Student Life and Services

Boston University recognizes each student as an individual with particular needs. Although the student's intellectual and professional education and growth are always the center of any university's concern, a variety of personal services must also be provided for the student to assist him in matters of health, housing, and opportunities for work.

Student life at Boston University represents a planned combination of social, intellectual, and professional development. The University recognizes the value of religious, social, cultural, and recreational activities, provides many opportunities for their enjoyment, and considers them an integral part of a college education.

Students in the School of Graduate Dentistry are free to participate, whenever the time schedule permits, in University student activities offered in physical education and intercollegiate athletics, dramatics, musical organizations, and student publications.

Religious Life

Graduate students at Boston University find the provisions for religious life to be a meaningful part of their young adult years. All the major religious traditions offer advanced level studies on the meaning of their religious practices.

Marsh Chapel provides Sunday morning classes for the children of married students, a program of serious religious training, taught by qualified teachers and using the modern facilities in the School of Education. Chapel worship services for students and faculty often consider the pressing issues of American life and modern academic affairs.

Hillel House and the Catholic Center offer a variety of short-course studies which graduate students and young faculty find stimulating. The University chaplains, rabbi, priest, and chapel dean also offer for credit a course in the Inter-religious Issues in Contemporary American Life.

In addition, all three centers provide relaxing social events for graduate and married students. The chaplains are available for counseling. Students often use University chapels for weddings, baptisms, and personal meditation.
The offices of the Dean of the Chapel are located in the Chapel; the Protestant chaplains' headquarters are at 185 Bay State Road; the Roman Catholic center is at 211 Bay State Road; and the Jewish house is at 233 Bay State Road. Chaplains in all these places are available for counseling and assistance of many kinds. All students are welcome to come to any of them.

**Student Health Service**

The Student Health Service for medical and dental students is available at the Health Clinic of the University Hospital under the immediate direction of Dr. Constance C. Cornog, Health Officer for the Hospital. It has been necessary to separate this Service from the regular University Student Health Service because of difficulties caused by the distance between the Schools of Medicine and Graduate Dentistry and other units of the University.

A Health Statement will be sent to each applicant upon acceptance by the School of Graduate Dentistry. It is requested that this be filled out and returned before registration day. On admission to the School, all students are given a complete physical examination.

Sick students who are ambulatory may be seen daily from 8:00 A.M. to 10:00 A.M. or in emergencies at other hours at the Evans Memorial Examining Room. Sick students who are nonambulatory should report their condition to Dr. Cornog.

All students in the School of Graduate Dentistry are covered by a compulsory hospitalization insurance. The cost of this insurance is payable on registration. This insurance provides full coverage of all hospital charges.

**Housing**

Housing information is available at the Office of Admissions, School of Graduate Dentistry or the Office of Housing and Food Service, 194 Bay State Road, Boston. The University has apartments for housing married graduate students studying full-time whose wives, or wives and children, are accompanying them to Boston. It is suggested that application be made at least six months in advance for September occupancy and two months in advance for Summer Term occupancy. Application forms and additional information will be sent upon request by writing to the Office of Housing and Food Service, 194 Bay State Road, Boston Massachusetts 02215.

Off-campus listings for both single and married students may be obtained in person at the housing office.
Computing Center

The Boston University Computing Center is an all-university facility operating an electronic computer for use in instruction and research. The Center provides instruction in computer programming, laboratory facilities for courses incorporating computer programming into the syllabus, machine demonstrations for student groups, and facilities whereby students and faculty may prepare their own jobs and have them run by the Center staff. Consulting services from the staff are available on request.

The Center’s computer is available at no cost to the student who is willing to invest some time in learning how to use a computer. Students who learn how to write computer programs will be able to prepare data for computer processing, to punch data into IBM cards, and to prepare the cards for the computer run. Printed results are normally made available within 24 hours.
Admission and Degree Requirements

Admission Requirements

A primary objective of postdoctoral dental education is to provide skilled and productive clinicians, researchers, and educators to the profession; these individuals, because of their proficiency, can emerge as leaders in the dental community. Education, on a graduate level, further emphasizes the interdependence of clinical problems and current basic concepts, an understanding furthered by a sustained and guided exposure to the scientific method in the classroom, clinic, and research laboratory. Individuals endowed with an understanding of biologic principles and the ability to utilize these principles effectively in the prevention, amelioration, and cure of oral disease contribute to the vitality of the University, the profession, and the community.

The University has set academic standards and requirements for different levels of achievement in postdoctoral studies in order to provide program flexibility to meet the interests and capabilities of the student.

Three variations have been established:

1. A program leading to certification of proficiency in one of the dental specialties. While strongly emphasizing the correlation of basic science with the clinical discipline, the program does not require original research and thesis. A Certificate of Advanced Graduate Study (C.A.G.S.) is awarded upon satisfactory completion of the prescribed curriculum. The course requirements and the standards of academic and clinical achievement are set forth in this bulletin.

2. A program combining didactic studies and clinical training in one of the specialties of dentistry with research participation and thesis. In a general context, the levels of achievement demanded of the student are higher than those designated for the certificate student. The individual cannot only fulfill his desire for a career in practice but can, because of his research orientation, add to the pool of dental information. This program is currently offered in the curricula leading to the Master of Science in Dentistry (M.Sc.D.) degree.
3. A program that emphasizes clinical and academic excellence and research competency. With such a triphasic background the student can and should contribute significantly to the fund of scientific knowledge and should be capable of communicating to others preclinical concepts, an appreciation of science, and experience in clinical problems. He emerges, therefore, as a clinician able to conceive and perform research and as a teacher. This graduate program, leading to the Doctor of Science in Dentistry (D.Sc.D.) degree, provides a route to the attainment of these objectives.

*Fields of Clinical Concentration*

The School of Graduate Dentistry offers full-time graduate programs in the fields of:

- Oral Surgery
- Prosthetic Dentistry
- Periodontology
- Oral Pathology
- Orthodontics
- Pedodontics
- Endodontics
- Preventive Dentistry
  (Public Health Dentistry)

*Application*

A candidate for admission to the School should send his completed application to Boston University School of Graduate Dentistry, 80 East Concord Street, Boston 02118. Applications are reviewed periodically by the Committee on Admissions during the year preceding that for which the applicant desires admission. The application fee is $10; it should be remitted by check when the application is submitted. Candidates accepted for admission to the School will be required to pay a deposit of $200 toward the first year’s tuition, usually within 20 days of notification to the applicant of his acceptance. If the candidate withdraws his acceptance, the fee will not be refunded.

The following documents should be submitted in support of the application:

1. *Letters of recommendation* from individuals capable of impartially judging his professional and ethical qualifications. These letters should originate from the dean of his dental school and the chairman of the department of that school in the field in which the candidate seeks admission. Special forms are provided by the School of Graduate Dentistry for this purpose. Additional letters in support of the application may be submitted.

2. Complete *transcripts* of his dental school and undergraduate scholastic record.

3. *A health evaluation* submitted by the candidate’s physician; a special form is available.
4. Other credentials as may be requested by the department chairman in the specialty subject in which the applicant seeks training or by the Committee on Admissions.

5. Students applying from non-English-speaking nations will be required to demonstrate an adequate reading, writing, and conversational knowledge of the English language. The International Student Center of Boston University will arrange appropriate examinations for the applicant in the country of origin.

General Requirements

Promotion

A Committee on Promotion has the duty to review the eligibility of the student for advancement to the second year of graduate studies. This Committee also recommends to the Dean those who are eligible for the award of a Certificate of Advanced Graduate Study or Master of Science in Dentistry degree. A student wishing to appeal a Committee decision will be given an opportunity to appear before a special meeting held within two weeks of the Committee's action.

The Committee on Promotion constitutes the final authority on student ratings, and no final grades are issued before the action of the Committee.

Rules Governing Promotion

1. The Faculty reserves the right to require the withdrawal of any student at any time, when in the opinion of the Faculty he is unfit to continue his course.

2. Grading System:
   A = 93–100
   B = 84–92
   C = 75–83
   D = 70–74
   F = 69 or lower

3. An overall average of C is required for promotion and for the award of a Certificate of Advanced Graduate Study.
   a. Only one (1) D grade is permitted in the computation of this average.
   b. A student receiving two (2) D grades is usually not eligible for promotion or the award of a certificate. The student may be promoted if the grades in his remaining subjects are outstanding.
   c. A student receiving three (3) D grades is not eligible for promotion or for a certificate.
4. If a student receives a grade below 70 percent in one or more subjects, he must, before promotion, obtain a satisfactory grade in these subjects by reexamination or repetition of the course as determined by the Committee on Promotion. As a general policy, a re-examination will only raise the grade to 70 percent, but this policy does not apply in cases in which an entire course is repeated.

5. If a student is unable to obtain the required weighted average by means of such reexamination, the Committee on Promotion shall determine disposition.

Academic Program

The program of study will include those courses specified in this bulletin in the candidate's specialty curriculum. The School reserves the right to modify, at any time, its courses and programs so as to conform with dynamic trends in dental education and practice. The School shall not be obligated to conform to the curricula set forth within this bulletin. Additionally, the department chairman, with the concurrence of the Committee on Advanced Degrees, may alter a candidate's program by the addition of such individual course(s) as may be warranted for the extension of the student's academic, clinical, or research scope. Whenever it shall be deemed advisable, courses in the School of Medicine may be substituted for those in the School of Graduate Dentistry; these courses may be in either clinical or preclinical sciences.

Residence Requirement

The minimum residence time, i.e., the period of enrollment, for a Certificate of Advanced Graduate Study is 21 months, except in the program in Oral Surgery where the requirement is one academic year.

Clinical Requirement

The certificate candidate must demonstrate proficiency in the clinical aspects of his specialty and related fields, when applicable. He must receive the endorsement of his department chairman prior to the award of a certificate.

Financial Requirements

All financial obligations to the University must be discharged prior to promotion and the award of a certificate.
Master of Science in Dentistry Degree Program

The Master of Science in Dentistry Degree programs comprise extensions of those courses of study which would ordinarily lead to the award of a Certificate of Advanced Graduate Study. In general, superior academic and clinical (where applicable) achievement as well as well-conceived research and an original thesis, with their successful defense, are additional requirements.

Application

The candidate for the Master of Science in Dentistry degree shall have met the admission requirements previously stated in this bulletin. In addition, a student, desiring to become a candidate for the Master of Science in Dentistry degree, shall so indicate in his application to the School; if the student is undecided, such action may be deferred until the completion of the first semester of his studies at which time he may apply for the master’s degree program.

Field of Specialization

The candidate shall pursue full-time graduate studies in one of the fields of major specialization of the School: Oral Surgery, Periodontology, Orthodontics, Pedodontics, Prosthetic Dentistry, Endodontics, Public Health Dentistry, Oral Pathology. The candidate must carry out such collateral studies as his department chairman or the Committee on Advanced Degrees may direct after examination of his credentials. Evidence must be submitted that these studies have been completed in a superior manner.

Grade Requirement

1. Overall average of 84 percent (B).
2. Only one (1) C grade is permitted in computation of the average.
3. Two (2) C grades may be permitted in computation of the average if remaining grades are outstanding.
4. A student receiving three (3) C grades is not eligible for a master’s degree.

Research Requirements

1. During the first semester of enrollment, the student should submit a protocol for a research project upon which to base his master’s thesis. The research may be oriented toward a problem with clinical significance or it may be concerned with a preclinical subject related to dentistry. It should be
designed so as to contribute significant information to the realm of dental or biologic knowledge.

2. The candidate's credentials and the protocol, submitted as a basis for research and thesis, shall be reviewed by the chairman of the department representing the clinical specialty and the Committee for Advanced Degrees. When approved, the student may then proceed with the investigation. The project shall be conducted by the candidate in consultation with his department chairman and with the guidance of an adviser who is a member of the faculty of the School of Graduate Dentistry or one of its affiliates.

3. The candidate shall present subsequently an original, unpublished thesis based upon his research effort. The thesis must be submitted, in triplicate and in the prescribed format, by March 1 of the school year in which the degree is sought.

4. After presentation of the thesis, the candidate must defend it before a faculty committee selected by the Dean and the Committee on Advanced Degrees. The report of the chairman of the thesis-defense committee will be submitted to the Committee for Advanced Degrees for final approval and recommendation for degree. The thesis defense can be made up to April 15 of the year in which the degree is sought.

5. The investigation should possess a degree of originality and sophistication so as to merit the award of the advanced degree. A thesis may be rejected on the bases of content, style of writing and composition, assembly format, etc., by the department chairman, the Committee on Advanced Degrees, or the thesis-defense panel; the thesis is returned to the candidate for revision or a new writing. The deficiencies of a thesis will be made apparent to the candidate by his adviser, department chairman, or the thesis-defense panel. The paper may then be resubmitted by March 1 of the following school year for review and defense.

6. If a candidate's degree of achievement proves to be inadequate when questioned by the thesis-defense panel, despite the fact that the thesis itself may be satisfactory, he will not be recommended for the award of the advanced degree. The candidate may redefend his thesis, before a thesis-defense panel, at the designated time during the succeeding school year.

**Comprehensive Examination**

After presenting evidence to the Dean of having completed his studies satisfactorily, and prior to the submission of his thesis, the candidate may be required to pass a written and/or oral examination given by a panel of the faculty designated by the Dean. The candidate will be required to demonstrate to the panel adequacy of knowledge in his major and related fields.
Residence Requirement

The minimum residence time, i.e., the period of enrollment, for the Master of Science in Dentistry degree program is 21 months, except in Oral Surgery where the requirement is one academic year. Candidates for the Master of Science in Dentistry degree in Oral Surgery may complete the investigative aspect of their research project during their academic year; they may then write, submit, and defend their thesis at the appropriate times during a succeeding academic year.

Clinical Requirement

The candidate must demonstrate proficiency in the clinical aspects of his specialty and related fields, when applicable. He must receive the endorsement of his department chairman prior to the award of the degree.

Financial Requirements

All financial obligations to the University must be discharged prior to promotion and the award of a degree.

Doctor of Science in Dentistry Degree Program

Graduate dental education is directed to prepare a sufficient number of individuals to guarantee a source of specialists, teachers, and research workers in the various branches of dentistry. The Doctor of Science in Dentistry degree program is applicable to those individuals who are motivated towards postdoctoral training in a clinical specialty of dentistry; this course of study permits emphasis on the attainment of clinical and academic excellence and research competency. With such background the graduate student can and should contribute significantly to scientific knowledge and should be capable of communicating to others concepts, appreciation of science, and experience in varied problems. Therefore, he should emerge as a sophisticated and proficient clinician, capable of and committed to the performance of research and teaching.

ADMISSION

Eligibility

Any well-qualified person with a doctorate in dentistry from a recognized dental school may apply for admission to the Doctor of Science in Dentistry degree program.

Application should be made to Boston University School of Graduate Dentistry, 80 East Concord Street, Boston 02118. In addition to the regular admission re-
requirements, transcripts of both the undergraduate school and the dental school academic records must be submitted. A student's undergraduate program must include courses in general biology, inorganic and organic chemistry, physics, and English, totalling 38 credits. All courses in science must include didactic and laboratory instruction. In addition, courses in quantitative analytical chemistry, mathematics, psychology, and foreign languages are desirable. The student may be required to make up any deficiencies in his academic background by completion of specified courses without graduate credit. These courses, together with the dental curriculum, will serve as a basis for determining admission to the program.

Students seeking admission to the program leading to the Doctor of Science in Dentistry degree should be intellectually, morally, and physically qualified. They should be superior individuals whose records indicate promise in the attainment of the specific goals set for the proposed degree.

Application

In addition to the above credentials, letters of recommendation from two senior faculty members from the undergraduate school and the Dean and two senior faculty members of the dental school are required. A student may be enrolled for the Doctor of Science in Dentistry degree only if he is accepted for such by the Committee for Advanced Degrees.

DEGREE REQUIREMENTS

General

The student must fulfill three general requirements: (1) academic course work, (2) clinical therapeutics, and (3) original research and preparation of a thesis and its defense.

A residence time of three calendar years is required for the degree of Doctor of Science in Dentistry. A minimum of 48 credits is necessary, all of which must be earned at Boston University.

The student's progress will be reviewed at the time of completion of the first year of graduate studies, and if progress is deemed satisfactory, he will be allowed to continue in the doctoral program.

Program

The student shall select an area of specialization from among the following departments: Oral Surgery, Periodontics, Public Health Dentistry, Orthodontics, Endodontics, Prosthetic Dentistry, Pedodontics, Oral Pathology. He shall, in consultation with the department chairman, select a sponsor who is a member of the teaching staff. The candidate shall plan his course in consultation with his
major instructor and in accordance with the requirements of his major department. Credits may be earned for formal courses, seminars, and research in proportion to the particular needs and background of the candidate as worked out in consultation with his major adviser. It is expected that at least 18 credits will be allocated to a research project. The program for the Doctor of Science in Dentistry degree consists essentially of the equivalent of one and a half to two years of fundamental course work in basic and clinical sciences, and one to one and a half years of research. The course work will be based upon and correlated with the areas of specialization and research for any one individual. (An example of a typical doctoral program follows.) Evidence must be submitted to the Committee for Advanced Degrees that these studies have been completed in a superior manner.

Qualifying Examination

Each student shall demonstrate competence in his major area of specialization in special examinations offered by his department.

Dissertation

The candidate shall demonstrate his ability for independent study in a dissertation representing original research.

Grades

A student for an advanced degree must attain a final average of not less than 84 percent (B). In no instance can more than one C grade be included in the computation of the average. The grades in his clinical specialty must not be less than 84 percent (B). The degree of Doctor of Science in Dentistry will be awarded on recommendation of the Faculty after the candidate has fulfilled all requirements of admission, has given evidence of satisfactory research, and has passed all required examinations.

Final Oral Examination

The candidate must defend his thesis by an oral examination before a committee selected by the chairman of the department involved in consultation with the Dean. The report of the chairman of the dissertation defense committee will be submitted to the Committee for Advanced Degrees for final approval and recommendation for the degree.

Language Requirement

There is no formal language requirement in this program.
Academic Requirements

The program of study may include courses of the School of Graduate Dentistry listed under Courses of Instruction, pages 000.

Courses in the School of Medicine and the Graduate School (of Arts and Sciences)

Whenever it shall be considered advisable, courses in the School of Medicine and the Graduate School (of Arts and Sciences) may be utilized in lieu of or to supplement courses offered in the School of Graduate Dentistry.

Summary of Requirements for Doctor of Science in Dentistry Degree

The following represents, in summary form, the dynamics of admission and fulfillment for the degree of Doctor of Science in Dentistry:

1. Application for admission to the School of Graduate Dentistry and for admission as a candidate for the Doctor of Science in Dentistry degree.
2. Submission of transcripts of undergraduate and dental school records.
3. Letters of recommendation.
4. Declaration of research intention.
5. Provisional acceptance by Committee; an interview is then requested.
6. Interview and selection of research project.
7. Sponsor obtained for graduate student.
8. Registration and program formulated by sponsor (course work and research) and chairman of the department (course work and clinical training).
9. Qualifying examination at the end of the first year (to determine eligibility to continue in program).

It is expected that some students will have no particular research problem in mind at the beginning. It is necessary, however, that these students select an appropriate research subject during the first semester of enrollment. The finalized program should begin at the start of the second semester of the first year.
Typical Curriculum
Periodontology and Microbiology (Virology)

Microbiology (lecture-lab), or equivalent
Biochemistry-Biochemical Methods (lecture-lab), or equivalent
Virology (lecture-lab)
Biostatistics
Genetics
Pharmacology
Physiology
Medicine
Oral Pathology (lecture-lab)
Oral Medicine & Dermatology
Occlusion
Psychiatry
Orthodontics
Endodontics
Periodontology (lecture)
Periodontal Pathology
Periodontology (seminar)
Clinical Periodontology
Virology Research
Courses of Instruction

Oral Surgery

MELVYN H. HARRIS, D.M.D., Acting Chairman of the Department

A one-year course of study designed to meet the formal educational requirements for examination by the American Board of Oral Surgery. The board requirements also necessitate two additional years of hospital training. The oral surgery program is conducted by lectures, clinical demonstrations, operative clinics, and laboratory exercises in such a manner that the clinical phases of oral surgery are intimately correlated to the pertinent basic and preclinical sciences.

The Oral Surgery program includes the following courses:*

Preclinical Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 701</td>
<td>Anatomy (head and neck)</td>
<td>Dr. Peters, Staff</td>
<td>2</td>
</tr>
<tr>
<td>DE 702</td>
<td>Microbiology</td>
<td>Dr. Baker</td>
<td>2</td>
</tr>
<tr>
<td>DE 703</td>
<td>Pathology</td>
<td>Drs. Gore, Goodman</td>
<td>4</td>
</tr>
<tr>
<td>DE 704</td>
<td>Biochemistry</td>
<td>Dr. Gould</td>
<td>2</td>
</tr>
<tr>
<td>DE 705</td>
<td>Oral Pathology</td>
<td>Drs. Goldman, Pearlman, Harris, Ruben</td>
<td>4</td>
</tr>
<tr>
<td>DE 706</td>
<td>Pharmacology</td>
<td>Drs. Lanzoni, Pelikan, Levine, Cochin</td>
<td></td>
</tr>
<tr>
<td>DE 707</td>
<td>Physiology</td>
<td>Dr. Resnick</td>
<td>3</td>
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</table>

Clinical Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 751</td>
<td>Medicine</td>
<td>Dr. Wilkins, Staff</td>
<td>4</td>
</tr>
<tr>
<td>DE 752</td>
<td>Physical Diagnosis</td>
<td>Dr. Boyer</td>
<td></td>
</tr>
<tr>
<td>DE 753</td>
<td>Surgery</td>
<td>Dr. Helfand</td>
<td>3</td>
</tr>
<tr>
<td>DE 754</td>
<td>Oral Medicine</td>
<td>Drs. Goldman, Mescon, Ruben</td>
<td>2</td>
</tr>
<tr>
<td>DE 755</td>
<td>Dermatology</td>
<td>Dr. Mescon</td>
<td>3 weeks</td>
</tr>
<tr>
<td>DE 756</td>
<td>Clinical Surgery Seminar</td>
<td>Dr. J. Fine</td>
<td>2</td>
</tr>
<tr>
<td>DE 757</td>
<td>Otolaryngology</td>
<td>Drs. Strong, Vaughn</td>
<td>2</td>
</tr>
</tbody>
</table>

*Arabic numeral preceding the semester indicates number of semester credits for each course.
Anesthesiology

JAMES VANDERVEEN, M.D.

A one-year program in general anesthesiology is offered to oral surgeons. This course consists of a didactic program as well as clinical training at the University Hospital. All phases of anesthesiology are offered.

Periodontology

GERALD M. KRAMER, D.M.D., F.A.C.D., Chairman of the Department

In the first academic year, emphasis is placed on the sciences essential to the understanding of the principles involved in the practice of clinical periodontology, i.e., correlated basic and clinical medical sciences, periodontology, principles of occlusion, orthodontics, oral medicine, oral pathology, research principles, etc. The second year of study is devoted to the clinical practice of this specialty, along with additional instruction in the basic sciences. This program is designed to meet the formal educational requirements of the American Board of Periodontology.

The course of instruction in Periodontology includes:* 

Preclinical Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor, Department</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 701 Anatomy (head and neck)</td>
<td>Dr. Peters, Staff</td>
<td>1, second semester</td>
</tr>
<tr>
<td>DE 702 Microbiology</td>
<td>Dr. Baker</td>
<td>2, second semester</td>
</tr>
<tr>
<td>DE 703 Pathology</td>
<td>Drs. Gore, Goodman</td>
<td>2, both semesters</td>
</tr>
</tbody>
</table>
School of Graduate Dentistry

DE 704 Biochemistry
DE 705 Oral Pathology
(combined with DE 710)
DE 706 Pharmacology
DE 707 Physiology
DE 709 Periodontal Pathology
DE 710 Periodontal Pathology
DE 761 Biostatistics

Clinical Sciences
DE 751 Medicine
DE 753 Surgery
DE 754 Oral Medicine
DE 755 Dermatology
DE 760A Implant Prosthesis
DE 763 Occlusion
DE 764 Psychiatry
DE 765 Special Lecture Series (Oncology)
DE 769 Preventive Medicine

Major Clinical Sciences
DE 805 Periodontology (lecture)
DE 806 Periodontology (seminar)
DE 807 Periodontology (clinic)
DE 808 Periodontology (lecture)
DE 809 Periodontology (seminar)
DE 810 Periodontology (clinic)
DE 811 Orthodontics (lecture and demonstration)
DE 814 Endodontics
DE 817 Prosthetic Dentistry

Research
DE 921 Periodontology (approved research project and successful defense of thesis)

Dr. Gould 2, both semesters
Drs. Goldman, Ruben, Harris 4, both semesters
Dr. Lanzoni, Pelikan, Levine, Cochin 2, first semester
Dr. Resnick 3, both semesters
Drs. Goldman, Ruben, Hodes, Schulman 4, both semesters
Drs. Goldman, Ruben 4, both semesters
Dr. D. Stahl 2, both semesters

Dr. Wilkins, Staff 4, both semesters
Dr. Helfand 3, both semesters
Drs. Goldman, Mescon, Ruben 2, both semesters
Dr. Mescon 8 weeks
Dr. Gershkoff 2, first semester
Dr. Kohn 3, both semesters
Drs. Bandler, Kahn 2, both semesters
Guest Lecturers 2, both semesters

Drs. Ruben, Kramer, Schulman 4, both semesters
Staf both semesters
Dr. Kramer, Staff both semesters

Drs. Goldman, Kramer, Chaikin, Staff 2, both semesters
Dr. Kramer, Staff both semesters
Dr. Kramer, Staff both semesters

Dr. L. Bernstein, Staff 1, first semester
Dr. Schilder 2, first semester
Dr. Talkov 2, both semesters

Drs. Goldman, Kramer, Ruben 12, all semesters and summer
Orthodontics

ANTHONY A. GIANELLY, D.M.D., Ph.D, Chairman of the Department
MURRAY BERNSTEIN, D.M.D., M.S., Director of Clinical Orthodontics

A course designed for those interested in the clinical practice of orthodontics. The curriculum is arranged so that approximately one half of the time is devoted to supervised clinical practice, during which each student treats an adequate and representative number of cases. The remainder of the time is devoted to lectures and seminars in the basic sciences and clinical subjects related to orthodontics.

The program in Orthodontics is designed to provide a broad background of knowledge regarding growth and development of the face and cranium in order that an analysis of dentofacial deformities, as related to orthodontics, may be formulated as an indispensable adjunct to the planning and management of orthodontic therapy. Mechanotherapy and treatment are based on a complete physical and psychological appraisal of the patient, cephalometric analysis of the face and cranium, and detailed and correlated consideration of occlusion as revealed by clinical observations and all other means available to modern orthodontics.

The course consists of two academic years with an intervening summer utilized for clinical practice and research, and is designed to provide both the formal educational requirements and partial clinical bases for the examinations of the American Board of Orthodontics.

The courses of instruction in Orthodontics are as follows:*

**Preclinical Sciences**
- DE 701 Anatomy (head and neck) Dr. Peters, Staff 1, second semester
- DE 704 Biochemistry Dr. Gould 2, both semesters
- DE 707 Physiology Dr. Resnick 3, both semesters
- DE 711 Oral Histopathology Drs. Ruben, Schulman 4, all semesters
- DE 761 Biostatistics Dr. Stahl 2, both semesters

**Clinical Sciences**
- DE 754 Oral Medicine Drs. Goldman, Mescon, Ruben 2, both semesters
- DE 762 Pediatric Medicine Dr. Kibrick, Staff 2, both semesters
- DE 763 Occlusion Dr. Kohn 2, both semesters
- DE 769 Preventive Medicine Dr. Dreyfus 2, both semesters
- DE 765 Special Lecture Series (Oncology) Guest Lecturers both semesters

**Major Clinical Sciences**
- DE 812 Orthodontics (lecture) Dr. Gianelly, Staff 4, both semesters
- DE 813 Orthodontics (clinic) Drs. Margolis, M. Bernstein, Y. Kim, Gianelly, Staff all semesters and summer

*Arabic numeral preceding the semester indicates number of semester credits for each course.*
Endodontics

HERBERT SCHILDER, D.D.S., F.I.C.D., Chairman of the Department

A two-year course of study designed to meet the formal educational requirements for the examinations of the American Board of Endodontics.

Intensive training is given in clinical endodontics and correlated basic and medical sciences as well as in other dental subjects as they relate to endodontic practice. The supervised clinical training encompasses both surgical and nonsurgical endodontics in order that the trainee may acquire diagnostic and operative facility in these areas.

All students must be prepared to meet the systematized library requirements which familiarize them with the development of endodontics and permit intelligent evaluation of current techniques.

The program in Endodontics is as follows:

Preclinical Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 701 Anatomy (head and neck)</td>
<td>Dr. Peters, Staff</td>
<td>1</td>
</tr>
<tr>
<td>DE 702 Microbiology</td>
<td>Dr. Baker</td>
<td>2</td>
</tr>
<tr>
<td>DE 703 Pathology</td>
<td>Drs. Gore, Goodman</td>
<td>2</td>
</tr>
<tr>
<td>DE 704 Biochemistry</td>
<td>Dr. Gould</td>
<td>2</td>
</tr>
<tr>
<td>DE 706 Pharmacology</td>
<td>Drs. Lanzoni, Pelikan, Levine, Cochin</td>
<td>2</td>
</tr>
<tr>
<td>DE 707 Physiology</td>
<td>Dr. Resnick</td>
<td>3</td>
</tr>
<tr>
<td>DE 708 Endodontic Histopathology</td>
<td>Drs. Schilder, Ruben</td>
<td>2</td>
</tr>
<tr>
<td>DE 710 Periodontal Pathology</td>
<td>Drs. Goldman, Ruben</td>
<td>4</td>
</tr>
<tr>
<td>DE 761 Biostatistics</td>
<td>Dr. D. Stahl</td>
<td>2</td>
</tr>
<tr>
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</tbody>
</table>

Clinical Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 751 Medicine</td>
<td>Dr. Wilkins, Staff</td>
<td>4</td>
</tr>
<tr>
<td>DE 754 Oral Medicine</td>
<td>Drs. Goldman, Mescon, Ruben</td>
<td>2</td>
</tr>
<tr>
<td>DE 755 Dermatology</td>
<td>Dr. Mescon</td>
<td>2</td>
</tr>
<tr>
<td>DE 760A Implant Prosthesis</td>
<td>Dr. Gershkoff</td>
<td>2</td>
</tr>
<tr>
<td>DE 765 Special Lecture Series (Oncology)</td>
<td>Guest Lecturers</td>
<td>2</td>
</tr>
<tr>
<td></td>
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</table>

Major Clinical Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 805 Periodontology</td>
<td>Dr. Ruben</td>
<td>2</td>
</tr>
<tr>
<td>DE 814 Endodontics (lecture)</td>
<td>Dr. Schilder</td>
<td>4</td>
</tr>
</tbody>
</table>

*Arabic numeral preceding the semester indicates number of semester credits for each course.
Prosthetic Dentistry

LEO TALKOV, D.M.D., F.A.C.D., Chairman of the Department

A two-year program that has been planned not only to present the theoretical knowledge but also to strengthen the clinical and laboratory skills of the trainee in all phases of prosthetic dentistry. Special emphasis is given to the correlation of basic periodontology with clinical periodontal prosthesis.

An important aspect of this curriculum is the intensive and systematized library reading requirement which has been designed to acquaint the student with all of the necessary facets of prosthodontics and occlusion.

This program fulfills the formal educational requirements of the American Board of Prosthodontics; it also provides a well-rounded background in other phases of clinical dentistry, i.e., endodontics and periodontology.

The curriculum in Prosthodontics includes:*

Preclinical Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 701 Anatomy</td>
<td>DR. PETERS, STAFF</td>
<td>1, second semester</td>
</tr>
<tr>
<td>DE 704 Biochemistry</td>
<td>DR. GOULD</td>
<td>2, both semesters</td>
</tr>
<tr>
<td>DE 707 Physiology</td>
<td>DR. RESNICK</td>
<td>3, both semesters</td>
</tr>
<tr>
<td>DE 711 Oral Histopathology</td>
<td>DRS. RUBEN, SCHULMAN</td>
<td>4, all semesters</td>
</tr>
<tr>
<td>DE 761 Biostatistics</td>
<td>DR. D. STAHL</td>
<td>2, both semesters</td>
</tr>
</tbody>
</table>

Clinical Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 754 Oral Medicine</td>
<td>DR. MESCON, RUBEN, MESCON, BUBEN, MESCON</td>
<td>2, both semesters</td>
</tr>
<tr>
<td>DE 755 Dermatology</td>
<td>DR. BUBEN</td>
<td>8 weeks</td>
</tr>
<tr>
<td>DE 760 Surgical Prosthesis</td>
<td>DR. BARRON</td>
<td>1, first semester</td>
</tr>
<tr>
<td>DE 760A Implant Prosthesis</td>
<td>DR. GERSHKOFF</td>
<td>2, first semester</td>
</tr>
<tr>
<td>DE 763 Occlusion</td>
<td>DR. KONH</td>
<td>2, both semesters</td>
</tr>
<tr>
<td>DE 765 Special Lecture Series (Oncology)</td>
<td>GUEST LECTURERS</td>
<td>both semesters</td>
</tr>
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Major Clinical Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 805 Periodontology</td>
<td>DR. RUBEN</td>
<td>2, second semester</td>
</tr>
<tr>
<td>DE 811 Orthodontics</td>
<td>DR. L. BERNSTEIN</td>
<td>1, first semester</td>
</tr>
</tbody>
</table>

*Arabic numeral preceding the semester indicates number of semester credits for each course.
**School of Graduate Dentistry**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 814</td>
<td>Endodontics (lecture)</td>
<td>Dr. Schilder</td>
<td>2</td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 817</td>
<td>Prosthetic Dentistry (lecture)</td>
<td>Drs. Talkov, Baraban</td>
<td>2</td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 818</td>
<td>Prosthetic Dentistry (seminar)</td>
<td>Drs. Talkov, Staff</td>
<td>2</td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 819</td>
<td>Prosthetic Dentistry (clinic)</td>
<td>Dr. Landy</td>
<td>2</td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 820</td>
<td>Full Denture Prosthesis</td>
<td>Dr. Landy</td>
<td></td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 821</td>
<td>Full Denture Prosthesis (clinic)</td>
<td>Drs. Talkov, Baraban, Staff</td>
<td>2</td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 822</td>
<td>Prosthetic Dentistry</td>
<td>Dr. Talkov, Staff</td>
<td></td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 823</td>
<td>Prosthetic Dentistry (advanced seminar)</td>
<td>Dr. Talkov, Staff</td>
<td></td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 824</td>
<td>Prosthetic Dentistry (advanced clinic)</td>
<td>Dr. Talkov, Staff</td>
<td></td>
<td>both semesters</td>
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</table>

**Research**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 961</td>
<td>Prosthetic Dentistry (approved investigation and successful defense of thesis)</td>
<td>Dr. Talkov</td>
<td>12</td>
<td>both semesters (summer)</td>
</tr>
</tbody>
</table>

**Oral Pathology**

**HENRY M. GOLDMAN, D.M.D.; IRA GORE, M.D.**

The two-year curriculum in Oral Pathology presents to the student a rich and comprehensive foundation for teaching and research. This course of study provides for a full year in general pathology at the University Hospital. The student is given an opportunity to participate in gross necropsy procedures: he is required to complete the subsequent pathological reports. In addition, the student assumes the full duties of an intern in pathology so that his knowledge may be enriched with every aspect of general and specialized pathology, allowing a fuller understanding of the normal and pathological processes that may be correlated to the field of oral pathology.

Instruction is given in clinical oral pathology in the outpatient clinics and on the ward services of the University Hospital.

The second year comprises study in oral pathology as a specialty. There is ample opportunity to review specimens in a registry and also to review daily surgical specimens. Research and thesis are also required of all students.

This program meets the formal educational requirements of the American Board of Oral Pathology.

The course of study in Oral Pathology includes:*  

**Preclinical Sciences**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Credits</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 701</td>
<td>Anatomy (head and neck)</td>
<td>Dr. Peters, Staff</td>
<td>3</td>
<td>second semester</td>
</tr>
<tr>
<td>DE 702</td>
<td>Microbiology</td>
<td>Dr. Baker</td>
<td>2</td>
<td>second semester</td>
</tr>
<tr>
<td>DE 704</td>
<td>Biochemistry</td>
<td>Dr. Gould</td>
<td>2</td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 705</td>
<td>Oral Pathology</td>
<td>DRS. Goldman, PEARLMAN, HARRIS, RUBEN</td>
<td>4</td>
<td>both semesters</td>
</tr>
</tbody>
</table>

*Arabic numeral preceding the semester indicates number of semester credits for each course.
Public Health Dentistry

LESTER E. BLOCK, D.D.S., M.P.H., Chairman of the Department

This two-year program is designed to provide a broad background of knowledge and practical experience in the general activities of public health, with special emphasis on the dental aspects of the public health field. The course has been developed as a formal educational experience for dentists who intend to make dental public health their full-time career.

By active participation in a local program it is expected that the dentist will achieve the viewpoint of the public health team sufficiently to integrate his specialized program thoroughly in the total public health program.

Emphasis will be placed on the social trends affecting the practice of dentistry; utilizing preventive and control measures for dental caries, periodontal diseases,
and malocclusion; conducting essential surveys for documenting complete and
accurate data; developing dental health education procedures and participation
in other directed field experiences.

The facilities of a local health department and other affiliated agencies will be
integrated for approved field experience.

The course of study in Public Health Dentistry includes.*

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Faculty</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 761</td>
<td>Biostatistics</td>
<td>Dr. Stahl</td>
<td>2, both semesters</td>
</tr>
<tr>
<td>DE 831</td>
<td>Principles of Epidemiology</td>
<td>Dr. Block, Staff</td>
<td>3, one semester</td>
</tr>
<tr>
<td>DE 832</td>
<td>Public Health Administration</td>
<td>Dr. Block, Staff</td>
<td>3, one semester</td>
</tr>
<tr>
<td>DE 833</td>
<td>Environmental Health</td>
<td>Dr. Block, Staff</td>
<td>3, one semester</td>
</tr>
<tr>
<td>DE 826</td>
<td>Public Health Dentistry</td>
<td>Dr. Block, Staff</td>
<td>3, one semester</td>
</tr>
<tr>
<td>DE 827</td>
<td>Preventive Dentistry</td>
<td>Drs. Bandler,</td>
<td>1, both semesters</td>
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<td></td>
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<td>Kahn, Staff</td>
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</tr>
<tr>
<td>DE 764</td>
<td>Psychiatry</td>
<td>Drs. Goldman,</td>
<td>2, both semesters</td>
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<tr>
<td></td>
<td></td>
<td>Mescon, Ruben</td>
<td></td>
</tr>
<tr>
<td>DE 754</td>
<td>Oral Medicine</td>
<td>Staff</td>
<td>12, all semesters</td>
</tr>
<tr>
<td>DE 981</td>
<td>Public Health Dentistry</td>
<td>Staff</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(approved research project</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and successful defense of thesis)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Depending upon the student's interests and career objectives, a series of elective
courses may be selected from among the following (other courses given at the University
may also be selected if the student and his adviser feel it is desirable):

Preclinical Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Faculty</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 702</td>
<td>Microbiology</td>
<td>Dr. Baker</td>
<td>2, second semester</td>
</tr>
<tr>
<td>DE 704</td>
<td>Biochemistry</td>
<td>Dr. Gould</td>
<td>2, both semesters</td>
</tr>
<tr>
<td>DE 705</td>
<td>Oral Pathology</td>
<td>Drs. Goldman,</td>
<td>4, both semesters</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pearlman,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Harris, Ruben</td>
<td></td>
</tr>
<tr>
<td>DE 711</td>
<td>Oral Histopathology</td>
<td>Dr. Ruben</td>
<td>4, both semesters</td>
</tr>
</tbody>
</table>

Clinical Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Faculty</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 755</td>
<td>Dermatology</td>
<td>Dr. Mescon</td>
<td>8 weeks</td>
</tr>
<tr>
<td>DE 751</td>
<td>Medicine</td>
<td>Dr. Wilkins, Staff</td>
<td>2, both semesters</td>
</tr>
<tr>
<td>DE 762</td>
<td>Pediatric Medicine</td>
<td>Dr. Kirshick, Staff</td>
<td>2, both semesters</td>
</tr>
<tr>
<td>DE 765</td>
<td>Special Lecture Series</td>
<td>Guest Lecturers</td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 767</td>
<td>Radiology</td>
<td>Dr. Feldman</td>
<td>1, second semester</td>
</tr>
<tr>
<td>DE 769</td>
<td>Preventive Medicine</td>
<td>Dr. Dreyfus</td>
<td>2, both semesters</td>
</tr>
</tbody>
</table>

Major Clinical Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Faculty</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 826</td>
<td>Preventive Dentistry</td>
<td>Dr. Block, Staff</td>
<td>all semesters</td>
</tr>
</tbody>
</table>

*Arabic numeral preceding the semester indicates number of semester credits for each course.
Pedodontics

Spencer N. Frankl, D.D.S., M.S.D., Chairman of the Department

The curriculum in Pedodontics is designed to meet the formal educational requirements for specialization and for certification by the American Board of Pedodontics.

Participants in the two-year program are provided with the necessary clinical experience and formal study to diagnose and treat any oral health problem within the pediatric age group. The following areas of competence are stressed in oral pediatrics: preventive dentistry, public health procedures, growth and development, oral histopathology, specialized operative and prosthodontic techniques, pulp therapy in the primary and immature permanent dentitions, preventive orthodontics. In order that the techniques discussed in lectures, seminars, and demonstrations be directly applied to the patient, pertinent clinical operations will be performed upon carefully selected children.
Emphasis will be given to management of the young hospitalized child. Complete restorative and surgical care under general anesthesia for the mentally and physically handicapped child, together with ward rounds, will be conducted at the University Hospital, Beth Israel Hospital, Boston City Hospital, and Kennedy Memorial Hospital.

The course of study in Pedodontics includes:

### Preclinical Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 701</td>
<td>Anatomy (head and neck)</td>
<td>Dr. Peters, Staff</td>
<td>1, second semester</td>
</tr>
<tr>
<td>DE 706</td>
<td>Pharmacology</td>
<td>Dr. Pelikan, Staff</td>
<td>2, first semester</td>
</tr>
<tr>
<td>DE 711</td>
<td>Oral Histopathology</td>
<td>Dr. Ruben</td>
<td>4, all semesters</td>
</tr>
<tr>
<td>DE 761</td>
<td>Biostatistics</td>
<td>Dr. Stahl</td>
<td>2, both semesters</td>
</tr>
</tbody>
</table>

### Clinical Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 754</td>
<td>Oral Medicine</td>
<td>Drs. Goldman, Mescon, Ruben</td>
<td>2, both semesters</td>
</tr>
<tr>
<td>DE 755</td>
<td>Dermatology</td>
<td>Dr. Mescon</td>
<td>3 weeks</td>
</tr>
<tr>
<td>DE 759</td>
<td>Anesthesiology</td>
<td>Dr. Vanderveen</td>
<td>2, both semesters</td>
</tr>
<tr>
<td>DE 762</td>
<td>Pediatric Medicine</td>
<td>Dr. Kibrick, Staff</td>
<td>2, both semesters</td>
</tr>
<tr>
<td>DE 765</td>
<td>Special Lecture Series (Oncology)</td>
<td>Guest Lecturers</td>
<td>both semesters</td>
</tr>
<tr>
<td>DE 767</td>
<td>Radiology</td>
<td>Dr. Feldman</td>
<td>1, second semester</td>
</tr>
<tr>
<td>DE 769</td>
<td>Preventive Medicine</td>
<td>Dr. Dreyfus</td>
<td>2, both semesters</td>
</tr>
</tbody>
</table>

### Major Clinical Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 805A</td>
<td>Periodontology</td>
<td>Dr. Ruben</td>
<td>2, second semester</td>
</tr>
<tr>
<td>DE 811</td>
<td>Orthodontics</td>
<td>Dr. Gianelly</td>
<td>2, two semesters</td>
</tr>
<tr>
<td>DE 827</td>
<td>Preventive Dentistry</td>
<td>Dr. Block</td>
<td>2, two semesters</td>
</tr>
<tr>
<td>DE 828</td>
<td>Oral Pedodontics (lecture)</td>
<td>Dr. Frankl</td>
<td>4, both semesters</td>
</tr>
<tr>
<td>DE 829</td>
<td>Oral Pedodontics (seminar)</td>
<td>Dr. Frankl</td>
<td>four semesters</td>
</tr>
<tr>
<td>DE 830</td>
<td>Oral Pedodontics (clinic and hospital)</td>
<td>Dr. Frankl, Staff</td>
<td>four semesters</td>
</tr>
</tbody>
</table>

### Special Lecture Series

- Genetic Psychology
- Basic and Applied Metallurgy
- Roentgenology
- Child Psychology
- Physiology of Speech
- Cleft Palate Management
- Nutrition
- Child Psychiatry

### Research

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Instructor(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 991</td>
<td>Oral Pediatrics (approved investigation and successful defense of thesis)</td>
<td>Dr. Frankl</td>
<td>12, all semesters and summer</td>
</tr>
</tbody>
</table>

*Arabic numeral preceding the semester indicates number of semester credits for each course.*
Course Descriptions

DE 701. Anatomy. Gross structure of the human head and neck, with emphasis on points of clinical importance in diagnosis and therapy of oral disease. Presented by lecture, roentgenology, and laboratory dissection. Dr. Peters and Staff
16 hours lecture, 48 hours laboratory (Oral Surgery Students);
16 hours lecture (other students); second semester

DE 702. Microbiology. Advanced lecture course covering two interrelated fields: bacteriology, including viruses, rickettsiae, and fungi, and immunology. Oral health aspects of the various infectious diseases given detailed consideration. Dr. Baker
32 hours lecture, second semester

DE 703. Pathology. An intensive consideration of clinical, gross, and histologic aspects of the various diseases affecting the human body, preceded by a review emphasizing advanced concepts of fundamental disease processes. Drs. Gore, Goodman
32 hours lecture, 64 hours laboratory (Oral Surgery Students);
32 hours lecture (other students); both semesters

DE 704. Biochemistry. An orientation, on an advanced basis, into the nature of chemical processes which occur in living cells and tissues. Particular emphasis on protein synthesis, methods of amino acid separation in the laboratory, biochemical aspects of wound healing, immunochemistry, genetics, and radiation chemistry. Dr. Gould
32 hours lecture, both semesters

DE 705. Oral Pathology. Lectures, laboratory exercises, and clinico-pathologic conferences correlating the clinical and microscopic attributes of dental, periodontal, pulpal, and periapical lesions, followed by a detailed consideration of cysts and tumors of odontogenic and non-odontogenic origin, benign and malignant neoplastic processes as they affect the oral and perioral tissues, and the inflammatory and dystrophic lesions of the hard and soft oral tissues. Correlated to the courses in Oral Medicine, Oral Surgery, Periodontal Pathology, etc. Drs. Goldman, Harris, Pearlman, Ruben
32 hours lecture, 96 hours laboratory, both semesters

DE 706. Pharmacology. Lectures utilized to present the pharmacologic properties, toxic manifestations, and therapeutic applications of the agents employed in the practice of dentistry and medicine. Drs. Pelikan, Lanzioli, Levine, Cochinn
32 hours lecture, first semester

DE 707. Physiology. Lectures on functional activities of cells, tissues, and organ systems, with detailed attention to homeostatic mechanisms involved. Advanced information presented relative to irritability and the regulatory physiology of the cardiovascular, digestive, respiratory, excretory, endocrine, and central nervous systems. Dr. Resnick
48 hours lecture, both semesters

DE 708. Endodontic Histopathology. A systematic presentation of inflammatory, dystrophic, neoplastic, etc., diseases affecting the dental, pulpal, and periapical tissues.
Lectures and laboratory exercises integrated with lectures and seminars in Endodontics and Periodontology; attention given to correlation of histopathology with therapeutic rationale and postoperative healing. 

Drs. Schilder, Ruben

32 hours lecture, 64 hours laboratory, both semesters

DE 709. Periodontal Pathology. Introductory course devoted to macro- and microscopic examination of normal and diseased periodontal tissues. Lectures also given in techniques of preparation of histologic specimens, histochemical tissue evaluation, research principles, wound healing, etc., in order to assure a complete understanding of the periodontal tissues in health and disease. 

Drs. Goldman, Ruben, Hodes, Schulman

48 hours lecture, 64 hours laboratory, both semesters

DE 710. Periodontal Pathology. A series of lectures and laboratory exercises for the second-year students in Periodontology and Oral Pathology, presenting advanced concepts in periodontal and related oral embryology, histology, physiology, and pathology. Detailed attention also given to the structure, physiology, and pathology of the temporomandibular joint and masticatory musculature. 

Drs. Goldman, Ruben

32 hours lecture, 64 hours laboratory, both semesters

DE 711. Oral Histopathology. Special lecture series for the students in Orthodontics, Endodontics, Prosthetic Dentistry, and Pedodontics, emphasizing the development, structure, physiology, and pathology of all of the components of the stomatologic system. Additional emphasis given to the tissue changes attendant to orthodontic tooth movement and to diseases of the oral apparatus as found in the child and adolescent patient. 

Drs. Ruben, Schulman

96 hours, four semesters

DE 712. Oral Histopathology Laboratory. A laboratory program designed for the student of oral pathology, which includes seminars and laboratory experience in the preparation of tissue specimens for macro- and microexamination. 

Dr. Goldman, Mr. Bloom

334 hours, two semesters

DE 751. Medicine. Lectures correlating preclinical sciences, e.g., physiology, biochemistry, pathology, etc., to clinical medicine with special attention to methods of diagnosis and treatment of diseases of interest and importance in the practice of the various dental specialties. 

Dr. Wilkins, Staff

112 hours lecture, 16 hours conference, two semesters

DE 752. Physical Diagnosis. Instruction for students in Oral Surgery in techniques of various bodily examinations, their interpretation, and subsequent collation for effective diagnosis and treatment of oral disease. 

Dr. Boley

18 hours, both semesters

DE 753. Surgery. Discussion of principles involved in surgical treatment of diseases, malformations, and injuries, as well as the pre- and postoperative management of the surgical patient. Attention also given to modification in therapeutic approach necessitated by complicating systemic disease. 

Dr. Helfand

48 hours, two semesters

DE 754. Oral Medicine. Discussion of oral manifestations of diseases of local and systemic origin, as well as the systematic approach, utilizing laboratory, histological and other aids, to their diagnosis and therapy. Lecture series includes such subjects as oral and dental malformations, infections, oral attributes of dermatologic lesions, the endocrinopathies, reaction of oral tissues to nutritional deviations, genetically derived diseases, etc. 

Drs. Goldman, Mescon, Ruben

32 hours lecture, two semesters


Dr. Mescon

8 hours lecture, one semester
DE 756. Clinical Surgery Seminars. Discussions related to field of general surgery and applicability of its principles to the practice of both hospital and office oral surgery. Illustrative areas of discussion: surgical infections, shock, coma, electrolyte and water balance, endocrine relationships, etc. Dr. J. Fine 32 hours, two semesters

DE 757. Otolaryngology. Lectures detailing the principles of diagnosis and treatment of diseases of the ear, nose, and throat with specific emphasis on etiology and pathology and their oral and perioral manifestations. Drs. Strong, Vaughn 32 hours lecture, two semesters

DE 758. Clinical Surgery Conferences. Students in Oral Surgery assigned to Chelsea Naval Hospital to receive instruction in areas of medicine, surgery, and dentistry which are intimately associated with the diagnosis and therapy of oral surgical problems. Dr. J. Chapman, Staff 32 hours, two semesters

DE 759. Anesthesiology. A systematic documentation of the physiology and pathology of bodily systems associated with use of anesthetics, e.g., central nervous system, respiratory system, cardiovascular system, the various anesthetic agents employed in office and hospital surgery, their pharmacologic action and techniques of employment, adjunctive agents utilized to facilitate anesthesia, etc. Dr. Vanderveen 32 hours lecture, two semesters

DE 759A. Anesthesiology. Lectures and demonstrations in anesthesiology with specific orientation for pediatric dental practice. Dr. Vanderveen 16 hours, second semester

DE 760. Surgical Prosthesis. Lectures, illustrated by slides of actual cases, devoted to the indications and techniques for the prosthetic reconstruction of lost or damaged oral and facial tissues. Dr. Barron 16 hours lecture, first semester

DE 760A. Implant Prosthesis. Dr. A. Gershoff 2, first semester

DE 761. Biostatistics. Course details the methods of statistical analysis, their application to formulation of research protocols, and their use in interpretation of investigative and epidemiologic data. Dr. Stahl 32 hours, two semesters

DE 762. Pediatric Medicine. Lecture series devoted to discussion of diseases and lesions peculiar to the child and adolescent patient and their influences in the genesis, diagnosis, and therapy of oral diseases and deformities. Program especially related to the needs of postdoctoral students in Orthodontics and Pedodontics. Drs. Kibrick, Staff 32 hours, two semesters

DE 763. Occlusion. A comprehensive discussion of the development, structure, and physiology of the stomatognathic complex, occlusal concepts and analysis, and the pathologic occlusion. The rationale and technics of occlusal adjustment, control of habits, dental stabilization, and their relationship to the restoration of oral health presented in detail. Drs. Goldman, Amsterdam, Lucia, Baraban, Ruben, Kohn, and Staff 48 hours, two semesters

DE 763A. Clinical Occlusion. 78 hours, two semesters

DE 764. Psychiatry. Lectures and demonstrations on the nature of human personality as a mechanism which serves to integrate various activities of the individual into a functional unit and adjustment of this unit to environmental stress. In the later phase of the course the psychoneurotic reactions and personality disorders taken up in systematic manner. Drs. Bandler, R. Kahn, and Staff 32 hours, two semesters
DE 765. Special Lecture Series. Lectures on oncology and related subjects. Guest Lecturers 32 hours, two semesters

DE 766. Special Lecture Series for Students in Orthodontics and Pedodontics. Discussion of wide range of basic and clinical subjects applicable to the practice and teaching of these specialties. Included are lectures in anthropology, genetic psychology, basic and applied metallurgy, roentgenology, child psychology, physiology and pathology of speech, cleft-palate management, oral and maxillofacial surgery, and nutrition.

DE 767. Radiology. Lectures and demonstrations on the principles of dental and oral radiographic technics and interpretation as necessary aids to diagnosis and treatment planning. The application of radiotherapy to oral disease amelioration and cure additionally emphasized. Dr. Feldman 16 hours lecture, second semester.

DE 768. Clinical Pathology Conferences. Special lectures, seminars, and case presentations in which emphasis placed on the pathogenesis, correlated clinical and laboratory pathology, and treatment of oral and orally related diseases. Major attention given to subject of oral cancer. Lectures devoted to appropriate surgical, radiological and chemotherapeutic treatment of this condition. Guest and Staff Seminarians.

DE 769. Preventive Medicine. A lecture series stressing such subjects as (1) nature of the social and environmental factors responsible for initiation, dissemination, perpetuation, and modification of disease, (2) measures necessary to ameliorate, control, and minimize their impact upon the individual and the community, (3) management and rehabilitation of patients with physical impairment, (4) nature and operation of public health agencies. Dr. Dreyfus 32 hours, two semesters.

DE 801. Oral Surgery. Lectures covering the clinical and correlated radiographic and histopathologic aspects of oral deformities, fractures, and disease processes amenable to surgical therapy. The indications and applicability of various surgical technics for correction of oral lesions discussed in detail. Drs. Thoma, Harris 96 hours, two semesters.

DE 802. Oral Surgery. Seminars designed for detailed exploration and discussion of selected aspects of oral pathology and their ameliorative or corrective therapy. Pertinent literature references applied to these discussions. Dr. Harris and Staff 64 hours, two semesters.

DE 803. Oral Surgery. The class, in small groups, secures observational experience relative to oral surgical procedures in operating rooms of University Hospital and other affiliated hospitals. Dr. Harris and Staff 24 hours, both semesters.

DE 804. Oral Surgery Laboratory. Student participates in oral surgery procedures, under operating room conditions, performed on laboratory animals. Experience also secured in anesthesiology and operating room methodology. Dr. Olin 96 hours laboratory, both semesters.

DE 805. Periodontology. Detailed study of the formation, clinical anatomy, microscopic structure, and physiology of the periodontium followed by discussion of pathologic processes affecting their integrity. Attention given to the etiology, epidemiology, and diagnostic essentials of periodontal disease. Second semester directed to a rationale for periodontal therapy, treatment planning, and the various therapeutic procedures necessary to restore periodontal health. Drs. Ruben, Kramer, Schulman 96 hours, two semesters.
DE 805A. Periodontology for Pedodontic Students. Special lecture series in periodontology for students in Pediatric Dentistry. Dr. Ruben 2, second semester

DE 806. Periodontology. Biweekly seminars based upon extensive literature readings in periodontology and related dental and basic sciences. Aim to provide the broad foundation necessary for practice and teaching. Staff 48 hours, both semesters

DE 807. Periodontology. Clinical periodontal practice emphasizing the elements of complete patient evaluation and examination, diagnosis, prognosis, and treatment planning. Complete periodontal therapy performed under staff guidance. Drs. Kramer, Ruben, Staff 160 hours, two semesters (first-year students)

DE 808. Periodontology. Lecture series designed to present advanced concepts and criteria relative to periodontal diagnosis, prognosis, treatment planning, and therapy. Drs. Goldman, Kramer, B. Chaikin, Ruben, and Staff 24 hours, summer session; 96 hours, first and second semesters

DE 809. Periodontology. Continuation of DE 806. Seminars, utilizing literature references and laboratory and clinical information, emphasizing the rationale concerned with periodontal diagnosis, treatment planning and therapy. Dr. Kramer and Staff Hours to be arranged, both semesters

DE 810. Periodontology. Continuation of DE 807. Advanced clinical instruction and participation, with additional emphasis on variations in approach to periodontal treatment planning and therapy. Dr. Kramer and Staff 756 hours (June 1-May 31)

DE 811. Orthodontics. Special course for students in Periodontology and Prosthetic Dentistry presenting, by lecture, demonstration, and laboratory practice, the essentials of minor tooth movement. Dr. L. Bernstein 32 hours, first semester

DE 812. Orthodontics. Lectures and seminars devoted to provision of an extensive background relative to analysis of dentofacial deformities, treatment planning, and therapy. Dr. Gianelly and Staff 192 hours, four semesters

DE 813. Orthodontics. Supervised clinical practice in Orthodontics in out-patient orthodontic clinic of University Hospital. Drs. M. Bernstein, Gianelly, Kim, and Staff 1280 hours, four semesters and intervening summer session

DE 814. Endodontics. Lecture course detailing the essentials of endodontic diagnosis, treatment planning, and therapy. The indications for non-surgical and surgical therapy emphasized as well as the correlation of these therapies to other phases of dentistry, e.g., periodontology, restorative dentistry. Dr. Schilder 160 hours, four semesters

DE 815. Endodontics. Seminars, based on intensive and comprehensive readings in the literature, covering each facet of endodontic diagnosis, prognosis, treatment planning, and therapy. Dr. Schilder and Staff 96 hours, four semesters

DE 816. Endodontics. Clinical participation in surgical and non-surgical phases of endodontic therapy with special attention given not only to development of clinical facility, but also the application of a therapeutic approach formed in consultation with the other dental specialties. Dr. Schilder and Staff 1110 hours, four semesters and summer
DE 817. Prosthetic Dentistry. Lectures concerned with the indications, treatment planning, and technics for fixed prosthodontics. Stress placed not only upon the elements of restoration of missing teeth, but also upon the planning and construction of periodontal prosthesis. Drs. Talkov, Baraban, Toll. 64 hours, two semesters

DE 818. Prosthetic Dentistry. Seminars based upon selected readings in the literature, covering all elemental and clinical aspects of prosthodontics and occlusion. Dr. Talkov and Staff 48 hours, two semesters

DE 819. Prosthetic Dentistry. Supervised clinical practice in all phases of fixed prosthetic dentistry. Dr. Talkov and Staff 480 hours, first and second semesters (each year of course) and summer

DE 820. Prosthetic Dentistry. Lectures and discussions relative to full denture prosthodontics. Detailed attention given to oral analysis and treatment planning as well as to actual clinical technics related to denture construction. Special problems considered. Dr. Landy 32 hours, two semesters

DE 821. Prosthetic Dentistry. Supervised clinical experience in full denture prosthodontics. Dr. Landy 96 hours, two semesters

DE 822. Prosthetic Dentistry. Continuation of DE 817 for second-year students in Prosthetic Dentistry. Advanced didactic instruction in fixed prosthesis, with additional presentations relative to periodontal prosthodontics. Drs. Talkov, Baraban, and Staff 64 hours, two semesters

DE 823. Prosthetic Dentistry. Continuation of DE 818. Seminars in Prosthetic Dentistry for second-year students. Drs. Talkov, Baraban and Staff Hours to be arranged

DE 824. Prosthetic Dentistry. Advanced clinical participation in all phases of prosthodontics. Dr. Talkov and Staff 576 hours, first and second semesters

DE 825. Oral and General Pathology. This course provides for a full year (July 1–June 30) in general pathology in the Department of Pathology, University Hospital. Student serves as an intern in pathology, participating in gross necropsy and diagnostic procedures. In addition, student studies a registry of specimens in oral pathology and is afforded the opportunity to review daily surgical specimens in the Department of Oral Pathology. Drs. Gore, Goldman, Harris, Goodman Approximately 2000 hours, one calendar year

DE 826. Public Health Dentistry. Lectures and seminars in which the student is made aware of his responsibility to the individual patient and to the community in the prevention of dental and oral disease and the maintenance of health, of the proper relationship between the private dentist and public health agencies, and of the importance of social and environmental factors in disease prevention and health promotion. Consideration given to epidemiology and preventive aspects of oral disease; oral hygiene; occupational dental diseases; rehabilitation dentistry; organized dental care, etc. Dr. Block and Staff

DE 827. Preventive Dentistry. Seminars reviewing literature pertinent to Public Health Dentistry. Emphasis on problems associated with prevention and control of dental and oral disease. Dr. Block Hours to be arranged, four semesters

Hours to be arranged, four semesters

DE 829. Pedodontics. Seminars devoted to a comprehensive review of the literature pertinent to prevention and control of dental and oral deformities and diseases in the child. Dr. Frankl and Staff

Hours to be arranged, four semesters

DE 830. Pedodontics. Supervised clinical experience in the total dental and oral care of the child and adolescent patient. Measures employed for caries control, maintenance of periodontal health, restoration of missing members of the dentition, and for the correction of oral and dentofacial deformities. Dr. Frankl and Staff

1194 hours, four semesters and summer

DE 831. Principles of Epidemiology. Lectures on the principles, purposes, and methods of epidemiology. Laboratory exercises used to illustrate principles and methods of epidemiological investigations both of infections and noninfectious diseases.

DE 832. Public Health Administration. Lecture course provides introduction to field of public health and basic concepts essential to planning, organization, and administration of public health programs.

DE 833. Environmental Health. Lecture course on physiological effects of the environment and their relation to health and disease. Topics: water supply and pollution, waste disposal, air pollution, radiation, food sanitation effects of physical factors in the environment.


DE 931. Research—Orthodontics. A guided investigation relative to the field of Orthodontics or its related preclinical sciences. Partially satisfies the requirements for the Master of Science in Dentistry degree. Dr. Gianelly and selected preceptor

DE 941. Research—Endodontics. Approved research in Endodontics or related sciences. Designed as a partial requirement for the Master of Science in Dentistry degree. Dr. Schilder and selected preceptor

DE 951. Research—Oral Surgery. Preceptored investigation in oral surgery or related preclinical sciences designed to fulfill one of the requirements for the Master of Science in Dentistry degree. Dr. Harris and selected preceptor

DE 961. Research—Prosthetic Dentistry. An approved investigative effort partially satisfies the requirements for the Master of Science in Dentistry degree. Research may involve preclinical and clinical subjects related to Prosthetic Dentistry. Dr. Talkov and selected preceptor
DE 971. Research—Oral Pathology. The required investigation, needed as a partial requirement for the Master of Science in Dentistry degree, should be conducted in a basic subject related to Oral Pathology and Oral Medicine. Where a clinical project is conducted, a preclinical correlation is necessary. Drs. Goldman, Gore, and selected preceptor.

DE 981. Research—Public Health Dentistry. The investigation necessary to satisfy a requirement for the Master of Science in Dentistry degree may include preclinical or clinical aspects of Public Health Dentistry. In most instances an epidemiologic or biostatistical correlation will be required. Dr. Block.

DE 991. Pedodontics. Guidance is provided for the investigation, which fulfills one of the requirements for the Master of Science in Dentistry degree. Research topic should be chosen from preclinical and clinical subjects associated with Pedodontics. Dr. Frankel and selected preceptor.

Courses in Medical School

Whenever it shall be deemed advisable, courses in the School of Medicine curriculum may be substituted for those in the School of Graduate Dentistry. These courses are in the preclinical sciences, e.g., microbiology, pathology, pharmacology, biochemistry. For further reference, see the School of Medicine bulletin.
Program for Continuing Education

1967-1969

David J. Baraban, D.M.D., F.A.C.D., Director

A variety of short postgraduate courses are offered for the general practitioner and the specialist. They are intended to review the currently accepted concepts and procedures in the various branches of dentistry and to present the newer developments.

General Information

Eligibility

Any dentist who is a member in good standing of the American Dental Association or a similar or comparable group is eligible for enrollment in the courses in the Program for Continuing Education. Members are accepted in the order in which their applications are received.

Tuition Fees and Other Information

The full tuition fee must accompany the application. It will be refunded if the applicant is not accepted, or if the course is cancelled.

The School reserves the right to cancel any course, schedule additional courses, and modify the course content or the personnel of the teaching staff as may be deemed necessary or advisable.

The University housing facilities are not available for postgraduate students. A list of hotels conveniently located near the school will be provided upon request.

(Special announcements are issued periodically)
Dental Assistants Program

The training for dental assistants is offered for young women, graduates of high school, who intend to participate as auxiliary personnel for the dental profession. The program comprises one full year, beginning the last week in June and ending the last week of the following June. The course is divided into three semesters.

A pertinent background in the basic sciences and all the branches of dentistry is taught by lectures and demonstrations with charts, slides, and models. Clinical assisting experience in all aspects and specialties of dentistry are an integral part of the course. A unique opportunity is offered by this program since all of the instruction is provided by specialists in each of the recognized specialties of dentistry.

Each student is rotated on assignments to various staff specialists, staff general practitioners, and students in the School of Graduate Dentistry. These assignments are in the Dental Clinics of the University Hospital and the Health Clinic of the Town of Brookline.

Students become proficient in the taking of radiographs and in all the assisting procedures involved in general dentistry, surgery, periodontics, endodontics, orthodontics, crown and bridge, and full and partial denture prosthesis. Basic laboratory techniques are taught and experience is gained in general office procedures.

Requirements for Admission

1. Graduation from high school is required. Skill in typing is desirable, and courses in biology and/or chemistry are recommended as prerequisites.

2. An application for admission must be filed with an official transcript of the high school scholastic record. Applications must be filed before March 15 and will be provided on request from Boston University School of Graduate Dentistry, 80 East Concord Street, Boston, Massachusetts 02118.

3. A personal interview with the Director must be arranged.
Semester Schedule

First semester—July, August, September, October
Second semester—November, December, January, February
Third semester—March, April, May, June

Further information about the program, such as fees and other charges, may be secured by writing to the Director of Program of Dental Assisting, Boston University School of Graduate Dentistry, 80 East Concord Street, Boston, Massachusetts 02118.

Course Descriptions

Preclinical Subjects

DE 101. Anatomy. Lectures on the gross anatomy of the head and vital organs of the body. STAFF 24 hours, first semester

DE 102. Histology. Lectures on general biological principles: cell structure, divisions, vital functions. Study of cells and tissues of the human body. Dr. Ruben and Staff 8 hours, first semester

DE 103. Dental Anatomy. Lectures and demonstrations on the morphology and growth and development of the deciduous and permanent teeth. Dr. Sutton and Staff 8 hours, first semester

DE 104. Dental Terminology. Assignments and quizzes on glossaries of dental terms and use of the medical dictionary. Dr. Sandler 3 hours, first semester

DE 109. Dental Materials. Lectures on the types, physical and working qualities, and clinical uses of materials used in dentistry. Dr. Sutton and Staff 3 hours, first semester

DE 201. Physiology. Lectures on functional activity of vital organs of the body. Staff 16 hours, first and second semesters

DE 202. Microbiology. Lectures on principles of transmittal of common diseases, and principal microorganisms infectious to man. Dr. Hoffman and Staff 16 hours, second semester

DE 203. Tooth Drawing and Carving: Tooth Morphology. Demonstrations and assignments in scale drawing of the teeth, carving in plaster and wax of tooth models, and carving of wax inlays in prepared dies. Dr. Sutton and Staff 8 hours, first semester; 8 hours, second semester

DE 210. Diet and Nutrition. Staff 8 hours, second semester

DE 213. Oral Hygiene and Preventive Dentistry. Dr. Sutton and Staff 8 hours, second semester
DE 301. Oral Pathology. Lectures on structural and functional changes caused by various diseases in the oral cavity. Caries, pulpal and apical pathology of the teeth and anomalies in growth and development as well as various lesions of the oral cavity and bone discussed. Dr. Harris and Staff 8 hours, third semester

DE 302. Pharmacology. Lectures on pharmacological properties, therapeutic application, and toxicities of the various medicaments commonly used in dental practice. Dr. Hoffman and Staff 8 hours, third semester

DE 314. Oral Medicine. Description of the causation, clinical expressions, and treatment of lesions of the oral mucosa and jaws. Dr. R. Chaimin 8 hours, third semester

Clinical Subjects

DE 103. Radiology. Lectures and demonstrations on the principles and techniques of intra-oral and extra-oral roentgenography. Dr. Hodess 24 hours, first semester

DE 105. Operative Dentistry. Lectures and demonstrations on caries, cavity classification, preparation, restorative materials, impression materials, instruments, and techniques. Dr. Skurow and Staff 8 hours, first semester

DE 106. Sterilization. Lectures on all sterilization techniques and their significance. Dr. Hoffman 8 hours, first semester

DE 107. Endodontics. Lectures and demonstrations related to the significance of endodontics, pulpal and apical pathology, techniques, and instrumentation. Drs. Schillder, Levin, and Staff 18 hours, first semester

DE 108. Orthodontics. Lectures on principles of orthodontics, classification of malocclusions, orthodontic model pouring, and trimming. Dr. Taver and Staff 10 hours, first semester

DE 205. Crown and Bridge Prosthesis. Lectures and demonstrations on the significance of crown and bridge prosthesis. Principles, instrumentation, techniques, materials, and the making of dies. Dr. Skurow and Staff 18 hours, first and second semesters

DE 206. Oral Surgery and Anesthesia. Lectures and demonstrations of oral surgery procedures of all kinds: instruments, techniques. Instruction in preoperative and postoperative handling of the surgical patient. Instruction in the various forms of general and local anesthesia used in dental procedures. Drs. Harris, Bethoney 8 hours, first semester; 8 hours, second semester

DE 207. Full and Partial Denture Prosthesis. Lectures and demonstrations on the principles and techniques of the fabrication of full and partial prosthetic restorations, materials, supplies, special instruments, and laboratory procedures. Dr. Skurow and Staff 15 hours, second semester

DE 208. Periodontics. Lectures on the character and appearance of supporting structures of the teeth in health and disease. Operative and surgical techniques, instruments, materials, and supplies. Dr. R. Chaimin 20 hours, first and second semesters

DE 209. Laboratory Techniques. Lectures and demonstrations on pertinent laboratory techniques: inlay investment, model pouring, base plates, bite-rims, inlay casting, die fabrication, and the setting-up of artificial teeth. Mr. Gordon and Visiting Lecturers 11 hours, second and third semesters
DE 215. **Work Simplification.** Lectures on procedures to increase productivity, enhance quality, and reduce stress and tension. **Dr. Sutton** 6 hours, second semester

DE 303. **Pedodontics.** Lectures on techniques and psychology of dentistry for children. **Dr. Sandler** 8 hours, first semester

DE 306. **Public Health Dentistry and Gerontology.** Special dental care for the aged. Lectures; visits to nursing homes and hospitals for the aged. **Dr. Block and Staff** 6 hours, third semester

**Related Subjects**

DE 112. **Modes, Manners, and Morals.** **Mrs. Fitzgerald** 6 hours, first semester

DE 211. **English.** Fundamentals of business and professional English with added emphasis on grammar and diction. **Mr. Cohen** 15 hours, second and third semesters

DE 212. **First Aid.**
1. Surgery. **Dr. Bethoney** 12 hours, second semester
2. Red Cross. **Dr. Bethoney** 10 hours, third semester

Upon completion of this course a standard First Aid Certificate will be issued by the American Red Cross.

DE 216. **Typing.** An introductory course designed only for those students without previous instruction and experience. **Dr. Stather** 15 hours, second semester

DE 305. **Office Management and Business Procedures.** Lectures and demonstrations on general dental bookkeeping, daily records, case histories, appointment management, recall systems, and billing. **Dr. Altshuler and Staff.**

15 hours, first and second semesters

DE 307. **Special Lecture Series.**
1. Ethics
2. Telephone Deportment
3. Equipment Care
4. Operating Room Technique
5. Hematology—Procedures
6. Histologic Techniques

**Staff** 16 hours, third semester

DE 310. **Psychology.**
1. Group Process: Types and function of groups. The individual in a group. Hierarchy and substructures within groups. The group as a working unit.
3. Anxiety and Depression: Causes and manifestations. Relationship to dental problems. Other common psychiatric conditions in relation to dentistry.

**Dr. Kelleher** 21 hours, first, second, and third semesters
Faculty

Training Program for Dental Assistants

GLENN A. SUTTON, D.D.S., Director; Assistant Dean, School of Graduate Dentistry
CAROLYN W. DUCROCHER, D.A., Assistant Director; Administrative Assistant
MORRIS R. RUBEN, B.Sc., D.D.S., Assistant Dean, School of Graduate Dentistry
JUSTIN L. ALTSHULER, D.M.D.
THOMAS J. BETHONEY, JR., A.B., D.D.S.
RICHARD W. CHAIKIN, D.D.S., M.Sc.D.
MYER S. COHEN, A.B., M.A.
RUTH LANG FITZGERALD, R.N., B.S.
ELIOT GORDON, C.D.T.
MELVYN H. HARRIS, A.B., D.D.S.
HERBERT HODESS, D.M.D.
WILLIAM M. HOFFMAN, A.B., D.M.D.

PHILIP KELLEHER, M.D.
HAROLD J. LEVIN, A.B., D.M.D.
LESTER BLOCK, D.D.S., M.P.H.
EUGENE S. SANDLER, D.D.S., M.Sc.D.
HERBERT SCHILDER, B.A., D.D.S.
HOWARD M. SKUROW, D.D.S.
DONALD G. STATHER, Ed.D.
BARTON II. TAYER, D.M.D., M.Sc.D.
Register of Students

Class of June 1968

Department of Endodontics

Baer, Stanley M. Newark, N.J. D.M.D., University of Pennsylvania, 1964

Department of Oral Surgery

Benny, Robert A. Wethersfield, Conn. B.S., Fairfield University, 1963 D.D.S., Loyola University, 1967
Espósito, John V., Jr. Eastchester, N.Y. B.S., New York University, 1966
Herrman, Jeffrey A. Miami, Fla. D.D.S., University of Maryland, 1964
Hoppe, Kern M. Denver, Col. B.S., University of Minnesota, 1960 D.D.S., University of Minnesota, 1965
Meszarosch, Abolhassan Tehran, Iran D.M.D., Teheran University, 1965
Morrissey, Richard F. IV Dover, N.J. D.D.S., Marquette University, 1965
Narang, Ramesh Karal, India F.Sc., Dayal Singh College, 1959
Perrige, Michael L. Hawley, Pa. B.S., University of Scranton, 1961 D.M.D., University of Pittsburgh, 1967
Pfeffer, Richard C. Stevens Point, Wis. B.S., Stevens Point, Wis. D.D.S., Marquette University, 1965
Silbermann, Michael Haifa, Israel D.M.D., Hebrew University, 1961

Department of Orthodontics

Aboban, Michael S. Providence, R.I. A.B., Cornell University, 1960 D.D.S., University of Pennsylvania, 1964
Becker, Jeffrey A. Long Beach, N.Y. B.A., Hofstra University, 1962 D.M.D., University of Pennsylvania, 1966
Campbell, Robert P. State College, Pa. B.S., Penn State University, 1959 D.D.S., University of Pittsburgh, 1966
Dajani, Marwan Z. Kuwait E.Ch.D., Cairo University, 1969
Klapper, Lewis Modoc, Conn. D.M.D., Tufts University, 1964
Peck, Sheldon Durham, N.C. B.S., University of North Carolina, 1965
Rizninger, Richard J. East Liverpool, Ohio D.D.S., Ohio State University, 1964
Sheldon, Paul M. New York, N.Y. B.S., Alfred University, 1958 D.M.D., Tufts University, 1962
Wark, Jason A. Barre, Vt. B.A., University of Vermont, 1957 D.D.S., Temple University, 1965
Department of Pedodontics
Cohen, Martin J. Mattapan, Mass. D.M.D., Tufts University, 1966
Kaplica, Jon T. Wellesley Hills, Mass. B.S., Tufts University, 1959
D.M.D., Tufts University, 1964
Garrett, Melva A. N. Bridgeport, Conn. D.D.S., Tufts University, 1964
Sheff, Michael C. West Newton, Mass. A.B., Boston University, 1961
D.M.D., Tufts University, 1966

Department of Periodontology
Bronstein, Mark B. Randallstown, Md. B.S., University of Maryland, 1962
D.D.S., University of Maryland, 1966
D.M.D., Tufts University, 1964
Kaplinsky, Michael W. Longmeadow, Mass. A.B., Williams College, 1960
D.M.D., Tufts University, 1964
Kon, Simao Sao Paulo, Brazil D.D.S., University of Sao Paulo, 1956
Marino, Ernest M. Long Island, N.Y. A.B., Wesleyan University, 1961
D.M.D., University of Pennsylvania, 1965
Novaes, Arthur B. Sao Paulo, Brazil C.D., Faculdade de Farmacia E. Odontologia Rio de Janeiro Preto, 1952
Ryan, Leo T. Pittsfield, Mass. D.D.S., Georgetown University, 1945

Department of Endodontics
Grossman, Sanford Miami Beach, Fla. B.S., Fairleigh Dickinson University, 1963
Lew, Yen M. San Francisco, Calif. A.B., Western Reserve University, 1961
D.D.S., Loyola University, 1963
Kloss, James L. Warren, Ohio A.B., Western Reserve University, 1961
D.D.S., Ohio State University, 1965
Mulloney, Robert S. Fort Lauderdale, Fla. D.D.S., University of Toronto, 1965
Peikoff, Marshall D. Montreal, Canada A.B., University of Manitoba, 1963
Walker, William J. Chicago, Ill. B.S., University of Dubuque, 1958
D.D.S., Howard University, 1963
Wiener, B. Harvey Montreal, Canada B.S., McGill University, 1965
D.D.S., McGill University, 1966

Department of Oral Pathology
Carpentier, Denis Montreal, Canada B.A., University of Montreal, 1961
D.D.S., University of Montreal, 1965

Department of Orthodontics
Balaban, Stuart J. Bronx, N.Y. B.S., New York University, 1963
D.M.D., Harvard University, 1967
Eagles, Eugene H. Wayne, N.J. B.S., Howard University, 1965
D.M.D., Temple University, 1967
Esdale, Robert J. Elizabeth, N.J. B.S., St. John's University, 1960
D.D.S., State University of New York at Buffalo, 1967
D.D.S., University of Tennessee, 1967

Department of Prosthetic Dentistry
D.M.D., Tufts University, 1964
Schoolnik, Philip R. Hartford, Conn. B.A., University of Vermont, 1962
D.M.D., University of Pennsylvania, 1966
Thiel, James M. Evansville, Ind. B.S., University of Illinois, 1964

Department of Pedodontics
Salzman, Jay R. Los Angeles, Calif. D.D.S., University of California, 1965
Silberstein, Stevan M. Venter City, N.J. D.D.S., University of Pennsylvania, 1964
Simo, Barry A. Manayunk, Pa. B.A., Brandeis University, 1961
D.D.S., Temple University, 1966
Slone, Jeffrey A. Pittsburgh, Pa. B.S., University of Pittsburgh, 1962
D.D.S., University of Pennsylvania, 1966
Wallack, Milton B. Flushing, N.Y. B.A., Brandeis University, 1960
D.D.S., Temple University, 1964
D.D.S., University of Pennsylvania, 1964

Department of Periodontology
Amatyukul, Chanathip Bangkok, Thailand B.S., University of Medical Sciences, 1967
Cashing, Malcolm Needham, Mass. A.B., Bowdoin College, 1961
D.D.S., New York University, 1965
Ekow, Robert N. Perth Amboy, N.J. B.A., Brandeis University, 1967
D.D.S., University of Pennsylvania, 1967

Class of June 1969
Lovetere, John Oakville, Conn. A.A., Dean Junior College, 1962
D.D.S., Georgetown University, 1967
Pineas, Margaret Z. Athens, Greece D.D.S., Athens University, 1961
Rowan, Michael E. Wellesley, Mass. B.A., Harvard University, 1963
D.M.D., Harvard University, 1967
Selmir, Richard M. Mountainside, N.J. D.D.S., Fairleigh Dickinson University, 1963
Strasser, Robert A. Sayville, N.Y. D.M.D., University of Pennsylvania, 1965
Tiechter, Howard M. Brooklyn, N.Y. D.D.S., Temple University, 1965

Department of Endodontics
D.M.D., Tufts University, 1964
Schoolnik, Philip R. Hartford, Conn. B.A., University of Vermont, 1962
D.M.D., University of Pennsylvania, 1966
Thiel, James M. Evansville, Ind. B.S., University of Illinois, 1964
Janson, Walday A. .......... Sao Paulo, Brazil
D.D.S., School of Dentistry of Triangulo
Mineiro, 1953
Kopman, Harold .......... Forest Hills, N.Y.
B.A., Alfred University, 1963
D.D.S., Howard University, 1967
B.A., Temple University, 1959
D.D.S., Temple University, 1963
McCawley, Thomas K. ......... Flora, Ill.
D.D.S., University of Illinois, 1987
Niver, Franklin D. .......... Atlantic City, N.J.
D.M.D., University of Pennsylvania, 1966
D.D.S., University of Michigan, 1965
Pangra, David G. .......... Parma, Ohio
D.D.S., Western Reserve University, 1963
Pearlman, Abrahm A. ........ Australia
B.D.S., Sydney University, 1959
Roth, Richard A. .......... Jamaica, N.Y.
D.D.S., University of Pittsburgh, 1965
Stutman, Marvin .......... Montreal, Canada
B.Sc., McGill University, 1962
D.D.S., McGill University, 1967

D.D.S., University of Pennsylvania, 1964
Weissman, Albert M. .......... Takoma Park, Md.
D.D.S., Howard University, 1965
Williams, Gordon .......... Montreal, Canada
B.Sc., Sir George Williams University, 1960
D.D.S., University of Montreal, 1966

Department of Prosthetic Dentistry
Kapin, Stephen .......... Irvington, N.J.
B.A., Rutgers University, 1961
D.M.D., University of Pennsylvania, 1965
D.M.D., University of Pennsylvania, 1967
Ponitz, Donald .......... Larimer, Pa.
D.D.S., University of Pittsburgh, 1964
Romanowczyk, Abraham .......... Mexico City, Mexico
D.D.S., University of Mexico, 1966

Class of June 1970

Department of Periodontology
(D.Sc.D. Degree)
Anapolle, Steven E. .......... Newton, Mass.
D.M.D., Harvard University, 1967
University Map
BOSTON UNIVERSITY

Founded 1839; Chartered 1869 as Trustees of Boston University

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117 Ray State Road, Boston, Massachusetts 02215

COLLEGE OF LIBERAL ARTS: A.B. degree in arts and sciences; six-year liberal arts-medical education program.
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ARTHUR T. THOMPSON, Dean, 110 Commington Street

COLLEGE OF BASIC STUDIES: Two-year program in general-liberal education.
HORATIO M. LAFAUCI, Dean, 871 Commonwealth Avenue

METROPOLITAN COLLEGE: Evening, late afternoon, Saturday morning, and extension courses leading to certificates and B.L.S. and B.A.S. degrees.
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SCHOOL OF LAW: Undergraduate and graduate degrees of LL.B. and LL.M.
PAUL M. SISKIND, Dean, 765 Commonwealth Avenue

SCHOOL OF MEDICINE: Courses leading to M.D. degree.
FRANKLIN G. ERAULL, JR., Dean, 80 East Concord Street

JACK R. CHILDRESS, Dean, 765 Commonwealth Avenue

SCHOOL OF SOCIAL WORK: Graduate training in professional social work for M.S. in S.S. degree.
JOSEPH F. MEISELS, Dean, 264 Bay State Road

EDWIN E. STEIN, Dean, 855 Commonwealth Avenue

SCHOOL OF NURSING: Undergraduate and graduate degrees of B.S., M.S., and D.N.Sc. in nursing and nursing education.
ANNE K. KIRRICK, Dean, 264 Bay State Road

SCHOOL OF PUBLIC COMMUNICATION: Undergraduate and graduate degrees of B.S. and M.S. in public relations, journalism, broadcasting, and film. Graduate program in communication research.
GERHARD D. WIERE, Dean, 640 Commonwealth Avenue

HENRY M. GOLDMAN, Dean, 80 East Concord Street

GRADUATE SCHOOL: Courses leading to the degrees of A.M. and Ph.D.
PHILIP E. KUBZANSKY, Dean, 765 Commonwealth Avenue

SUMMER TERM: Beginning in May and continuing for twelve weeks, divided into two sessions of six weeks each. Courses leading to degrees offered by the University.
ROBERT W. SHERBURNE, Director, 685 Commonwealth Avenue

For information concerning any School or College, address the Dean
For other information, address the President of the University