



SCHOOL OF DENTAL MEDICINE

School of Dental Medicine

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The School of Dental Medicine contributes to the mission of the University through its outstanding educational programs, internationally recognized contributions to the body of scientific knowledge, and service to the community by providing excellent clinical care to thousands of patients each year.

The School of Dental Medicine is accredited by the Commission on Dental Accreditation of the American Dental Association, and is a vital component of the Health Sciences Center. The school is composed of a number of departments, which are responsible for ensuring that the curriculum reflects the most recent advances in dentistry and medicine. The Department of General Dentistry includes the disciplines of dental materials, endodontics, operative dentistry, prosthodontics, oral and maxillofacial radiology, practice management, and behavioral sciences. The Department of Children's Dentistry provides instruction in orthodontics and pediatric dentistry. Other departments include Dental Medicine, Periodontics, Oral and Maxillofacial Surgery, Oral Biology and Pathology, and Hospital Dentistry and Dental Anesthesiology.

The foremost goal of the pre-doctoral program at the School of Dental Medicine is to provide an education that enables its students develop into competent, caring dentists, who are prepared to become leaders in the profession during this time of dramatic change in health care. Graduates of the school may wish to enter general dental practice, enroll in specialty programs, or choose a career in academic dentistry and/or research. The School of Dental Medicine offers the Doctor of Dental Surgery Degree, as well as the Master of Science and Doctor of Philosophy degrees through the Graduate School of the University and the Department of Oral Biology and Pathology.

Post-doctoral programs in endodontics, orthodontics, periodontics, and dental care for the developmentally disabled are housed in the School of Dental Medicine. A general practice dental residency is offered at Stony Brook University Hospital. In addition, the School of Dental Medicine is a major clinical campus for the Long Island Jewish Medical Center residency in Oral and Maxillofacial Surgery.

The school has affiliations with a number of regional hospitals including Nassau County Medical Center, the Veterans Affairs Medical Center at Northport, Long Island Jewish Medical Center, and Winthrop University Hospital. Students are provided an environment in which to observe the relationships of systemic and oral health in the hospitalized patient, and to participate as members of a health care team.

DDS Program

The small class size enables the School of Dental Medicine to provide a supportive, nurturing environment that guides our students' professional growth and promotes independence and maturity. Faculty are routinely available to help reinforce material presented in lectures, encourage students with special interests, or offer assistance with developing clinical skills.

The School of Dental Medicine has created a culture of science within the school. Students develop the understanding that scientific enquiry is a necessity to fully develop as professionals. Through participation in research projects, students are encouraged to explore the edge of current technologies and work with faculty in developing new paradigms for the therapy of disease.

Students at the School of Dental Medicine receive approximately 900 hours of instruction in the traditional basic sciences (anatomy, biochemistry, histology, microbiology, physiology, genetics, general pathology, embryology, pharmacology, neuroscience, and nutrition), most of which are in courses together with students from the School of Medicine. The school offers a unique Oral Biology curriculum which bridges the fundamental knowledge obtained in the basic sciences to clinical dentistry, through the application of this knowledge in the study of the biochemistry, physiology, and pathology of the orofacial complex.

Students receive extensive training in the behavioral sciences and practice management. An emphasis is placed on understanding the impact of appropriate interpersonal skills on the overall outcome of care.

The majority of the clinical component of the educational program is provided in the Dental Care Center of the School of Dental Medicine, a state of the art facility situated in a pleasant suburban community. The largest dental treatment facility on Long Island, the Dental Care Center provides care for thousands of patients, offering a rich diversity of patient needs to enhance the clinical experience of the students. Clinical experiences begin in the latter part of the first year, with increasing clinical education in the second, third and fourth years. The student is responsible for obtaining thorough medical, dental, and psychosocial histories; determining diagnoses; developing patient centered treatment plans; and rendering comprehensive care for his or her patients. The School of Dental Medicine ranks among the top five dental schools in the nation for the amount of clinic activity per student. The number of patient visits per student is also one of the highest in the country, compared to all other dental schools.

Whereas the majority of instruction in the early clinical years is discipline based, the fourth year clinical experience is provided in the General Practice Program. This innovative program enables students to treat their patients in a setting, which simulates general dental practice. Clinical instruction is provided by general dentists and specialists where appropriate. Practice management skills and behavioral sciences are reinforced by faculty on a daily basis, as students refine their clinical abilities. Students may participate in the senior selective program in which up to 120 hours can be devoted to advanced training in various clinical disciplines or research projects. Upon completion of the General Practice Program, students can be confident in their abilities as competent dentists prepared to embark upon their futures in dentistry.

For additional information regarding the School of Dental Medicine, please call 631-632-8980, or write:

Office of Academic Affairs, Admissions and Financial Aid
School of Dental Medicine
Stony Brook University
Stony Brook, NY 11794-8709

<http://www.hsc.stonybrook.edu/dental/index.cfm>

Admission Requirements

The school selects highly qualified students who are representative of a variety of backgrounds, experiences and interests. Selection is based on an overall appraisal of the applicant's suitability for dentistry.

Applicants should demonstrate academic achievement, competence in the sciences, and a general interest in the profession of dentistry. Consistent with the school policy of selecting students with varied backgrounds, the school encourages applications from qualified individuals from those groups who have in the past been previously underrepresented in the dental profession. Due to the small class size, students attending the school are educated in a highly supportive environment. Academic tutoring, faculty counseling, and individually developed remedial programs are available to students under special circumstances, as determined by faculty.

Applicants are required to have completed two years of college before matriculation. Although not a requirement, it is highly desirable that applicants possess a baccalaureate degree. The undergraduate program of study must include:

- One year of the following introductory courses (including laboratories):
 - General Biology
 - Inorganic (General) Chemistry
 - Organic Chemistry
 - General Physics
- One year of:
 - Mathematics (with at least one semester of Calculus or Statistics)

Application Procedure

The School of Dental Medicine participates in the centralized American Association of Dental Schools Application Service (AADSAS). Applications are available directly from:

American Dental Education Association (AADSAS)
1625 Massachusetts Ave. NW, Suite 600
Washington, D.C. 20036-2212
202-667-9433
www.adea.org

The deadline for submission of applications to AADSAS is January 15. Since acceptances are made on a rolling basis, applicants are urged to apply as early as possible.

The Dental Admission Test (DAT) is required of all applicants and it is recommended that applicants take this examination no later than October of the year before the student intends to matriculate. It is the applicant's responsibility to make sure that an official copy of his or her DAT score is forwarded to the School of Dental Medicine. A non-refundable application fee of \$75 must be sent directly to the School of Dental Medicine at Stony Brook, at the same time that the application is forwarded to AADSAS. Applications cannot be considered until this fee is received by the school. The school will acknowledge receipt of all applications from AADSAS, and advise candidates directly of any additional information that is required.

A letter of recommendation from the applicant's college pre-professional advisory committee is also required. In the absence of such a committee, letters of evaluation from at least three faculty members of science departments may be substituted.

Interviews are an integral part of the admission process, and all applicants under serious consideration will be notified when an interview is required.

The school observes the American Dental Education Association policy regarding the notification of acceptance to dental school.

Health Requirements and Student Health Services

The Student Health Services, located in the Infirmary Building, provides healthcare to all registered students and to faculty and staff on emergency basis only. The health service is open Monday through Friday, 8 a.m. to noon and 1 p.m. to 5:30 p.m. (Tuesdays until 7:30 p.m. by appointment only.) When the student health service is closed, students are requested to use the Emergency Department of University Hospital on a fee-for-service basis.

The walk-in clinic at the health service is staffed by physicians, physician assistants, and nurses. Students need only to go to the Infirmary Building, register, and they will be seen by the medical staff. Some prescriptions can be filled and laboratory work completed as part of the mandatory fee. Health services include a gynecology clinic (Women's Center), wart clinic, rheumatology/orthopaedic clinic, health educator, psychiatrist and social worker.

The University strongly recommends a voluntary health insurance plan because extensive medical assistance is not available in the Infirmary Building. Stony Brook's mandatory health fee covers medical services only at the Health Service Building on campus. For other medical services, for services when the facility is closed, or for services when students are away from campus, insurance coverage is necessary. Stony Brook University has a special low cost student health insurance plan through BCS Insurance Company.

For more information about the insurance plan please call or visit the Student Health Insurance Office, West Campus, Health Service Building, 631-632-6054.

The Health Sciences Center student health policy requires that prior to enrollment, all students admitted to the programs that involve education in clinical settings, submit documentation of their health status. In addition, Public Health Law 2165 requires all students in post-secondary education to be immunized against poliomyelitis, mumps, measles, diphtheria, and rubella. New York State Public Health Law 2167 requires institutions, including colleges and universities, to distribute information about meningococcal disease and vaccinations to all students meeting the enrollment criteria, whether they live on or off campus. Colleges in New York State are required to maintain a record of the following for each student:

- A response to receipt of meningococcal disease and vaccine information signed by the student or student's parent or guardian. This must include information on the availability and cost of meningococcal meningitis vaccine (Menomune™); AND EITHER
- A record of meningococcal meningitis immunization within the past 10 years; OR
- An acknowledgement of meningococcal disease risks and refusal of meningococcal meningitis immunization signed by the student or the student's parent or guardian.

Stony Brook University requires that all university students read the medical information at our website, and complete and return a response form. This form can be downloaded from our

web page <http://studentaffairs.stonybrook.edu/shs/forms>.

For those who have a SOLAR account and are 18 years of age or older, you may use SOLAR to submit the response form.

- **Medical Examination:** Submit the school's Student Health Form, signed by a physician, confirming that the medical examination was completed within six months to the date of matriculation. The Student Health Form includes three parts: Health History (to include required health insurance), Physical Examination and Immunization History.
- **Measles (rubeola), mumps, rubella (German measles), and varicella (chicken pox):** Provide documentation of possession of positive Titers.
- **Tuberculosis:** Submit the report of a Mantoux tuberculosis skin test. With a history of tuberculosis or a positive skin test, submit the physician's report of chest x-ray taken within the year prior to matriculation. Chest x-rays may be required at intervals, and suppressive medication may be recommended.
- **Tetanus or TD:** This is mandatory every ten years.
- **Hepatitis B:** Every dental student is required to submit documented proof of possessing antibodies to the hepatitis B virus or to complete the hepatitis B vaccination series unless he/she chooses to decline and signs the Hepatitis B Vaccine Declination statement. It is recommended that this is done prior to matriculation; in all cases, however, it must be done before a student is allowed to treat patients. If a student does not have documented proof of having antibodies to this virus, the vaccination series of three vaccinations is available through the Student Health Services Center for a fee.

Parking

Students who wish to park at the Health Sciences Center must pay a fee for garage services. Bus service is available to the HSC from "P" lot. Limited parking is available for students at the School of Dental Medicine for a fee. Bus service is available to the SDM from "P" lot. There are no fees for the use of "P" lot or the campus shuttle buses. All students must register and display Stony Brook University parking tags on their vehicles in all parking lots.

Scholarships

Blasco C. Gomes Endowment Fund

This endowment fund has been established to honor Dr. Blasco C. Gomes, a former Associate Professor in the Department of Periodontics. He is known as one of the School of Dental Medicine's most beloved teachers, who motivated many students to enter the specialty of periodontics. Each year an award will be given to a graduating dental student who achieves the highest grade point average entering into the advanced program in periodontics.

Dental Student Merit Award

The donors of the Dental Scholarship Fund are composed of alumni, faculty, and friends of the school.

Dr. A. John Gwinnett Dental Student Memorial Fund

Dr. Gwinnett was the 1997 Wilmer Sounder Award winner, who was recognized for his contributions to the oral health of the public and the advancement of dentistry. He was an outstanding professor in the Department of Oral Biology and Pathology at the School of Dental Medicine at Stony Brook. This fund was established to continue the spirit and commitment of

Dr. Gwinnett for his service and dedication in the Department of Oral Biology and Pathology. The proceeds from this fund will be used to provide an annual award to a Stony Brook dental student. The student who has achieved the highest grades in Year I and Year II Oral Biology and General Dentistry courses will receive this award.

Dr. Eric B. Holst and Virginia Holst Memorial Scholarship

This endowment fund has been set up in memory of Dr. Eric B. Holst, a graduate of School of Dental Medicine at Stony Brook and his wife, Virginia, who lost their lives in the crash of TWA flight 800 in 1996. The award of a tuition scholarship for the final year or semester, as the funds allow, will be given to a graduating dental student who has applied and been accepted for a residency in geriatric dentistry at the Long Island Jewish Geriatric Institute. Students who are interested in this type of residency program and who would like to be considered for this Memorial Scholarship should notify the Holst committee in writing as soon as possible.

J. Howard Oaks Dental Student Scholarship

This scholarship was established to honor the memory of J. Howard Oaks, DMD, who was the founding Dean of the School of Dental Medicine. He served as Vice President of the Health Sciences at Stony Brook for more than twenty years. Recipients of this award will carry the title of J. Howard Oaks Student Scholar. The award is given to first-year dental students in recognition of their past academic achievements.

Nancy Wender National Dental Board High Achievement Award

In memory of Dr. Ronald Wender's wife, Nancy, this special award has been established to be given to a second-year dental student for successfully completing part one of the National Dental Board Exam with the highest score in his or her class.

The Charles and Maria Ryan Scholarship in Oral Biology and Pathology

Drs. Charles and Maria Ryan have established this scholarship in recognition of the global shortage of qualified and well-trained dental faculty. The purpose of the scholarship is to promote and foster the development of future dental academicians. The scholarship will be awarded to a third year student, who has demonstrated excellence in scholarship in the field of oral biology and pathology, and has conducted substantive research activities in any school of Dental Medicine department.

The Dr. Richard J. Oringer Award

This award was established to honor the memory of alumnus and Associate Professor, Richard J. Oringer, D.D.S., D.M.Sc., while recognizing those attributes that made him such a beloved teacher, mentor, and friend of the students of the School of Dental Medicine. It is presented at the annual Awards Ceremony to a graduating student who plans to pursue training in the field of periodontology immediately following dental school. The recipient must have demonstrated academic excellence while maintaining a humble spirit. He or she must have shown compassion for his or her classmates and patients. In addition, the recipient must embody the following characteristics: honesty, integrity, and a passion for higher learning.

The Pierre Fauchard Scholarship Award

In 1996, the Pierre Fauchard Academy, an international honor dental organization, through its Foundation, initiated a Dental

Student Scholarship Awards program for the fifty-four dental schools in the US and for twenty-eight non-US dental schools. This award is presented to the dental student for his or her leadership in the University, Dental School and community.

Financial Aid and Educational Expenses

Financial aid for School of Dental Medicine students is divided into three basic categories: grants, loans and employment opportunities. Grants, which include scholarships, do not have to be repaid; loans carry some form of interest payment and must be paid back to the lender; employment opportunities afford the student the chance to earn money while attending school.

Some financial aid programs are administered by the University, others by federal and state agencies to which the student applies directly. In all cases, a School of Dental Medicine student or applicant interested in applying for financial aid should first contact the Financial Aid Office for information and application materials. The Financial Aid Office is located in Rockland Hall, Room 115; the telephone number is 631-632-3027.

Special-purpose scholarships are also available for health professionals through private foundations and governmental agencies to which the student must apply directly. A free scholarship search can be conducted via the internet website: www.fastweb.com! Books and manuals on this subject are also available in public, college, and high school libraries.

The purpose of the University's financial aid program is primarily to provide assistance to those students whose families cannot help them meet the cost of their education, and secondarily to ease the burden for those families more able to assist. For federal aid programs, graduate and professional students are classified as independent.

Aid from most of the programs discussed in the section below is awarded on the basis of financial need. Financial need is the difference between the cost of attendance as determined by the institution, and the Expected Family Contribution (EFC), which is based on information provided by the student on the FAFSA (Free Application for Federal Student Aid). The cost of attendance includes the cost of tuition and fees, room and board and allowance for books, supplies, transportation and personal expenses. Costs related to child care and/or a disability can also be included. The EFC is the amount the student is expected to pay toward his/her education and is based on a formula established by Congress.

In addition to financial need and specific program eligibility, receipt of financial aid from the federal aid programs is based on the following conditions: being a US citizen or eligible non-citizen; being a matriculated student; maintaining satisfactory academic progress; registration with Selective Service, if required; and not being in default of educational loans or owing a refund to a state or federal financial aid program. Even in cases where the aid has already been awarded, it will be necessary to cancel the awards when the University is informed that the student does not meet one of these conditions.

The financial aid "package" is the term used to designate the total financial aid a student receives. For most School of Dental Medicine students, loans will be recommended in the package since they will be the primary source of aid used to meet educational expenses. For this reason, it is critical for students to understand the terms and conditions of any loan program before applying since interest rates, deferments and repayment obligations vary among the different loan programs. Students should also plan carefully their academic year expenses and resources to determine the amount of loan funds they will need.

Financial Aid Programs

Grants

Tuition Assistance Program (TAP)

TAP is available to New York State residents for attendance at accredited New York State campuses. This program provides tuition assistance for matriculated undergraduate and graduate students enrolled full time. TAP award amounts are based on New York State net taxable income. The awards range from \$75 - \$550 for graduate students. Students can file for TAP by completing the Free Application for Federal Student Aid (FAFSA).

Graduate Tuition Waiver Program for Economically Disadvantaged Students (DW)

This program, funded by the State University of New York, provides up to a full waiver of tuition for students who qualify according to the current year EOP economic eligibility criteria and the federal methodology of needs analysis. This is a need-based tuition waiver program available for New York State residents enrolled as full-time students in a State University first graduate or professional-degree program. Medical and dental students have first priority for this award.

Awards range from \$100 per semester to full tuition minus any amount received from the Tuition Assistance Program (TAP) or other award for tuition only. Funds for the program are limited. Students must provide documentation of previous enrollment in an EOP, SEEK or HEOP Program, as well as parental information on the Free Application for Federal Student Aid (FAFSA) to be considered for this program.

Regents Healthcare Scholarships

Scholarships are awarded to eligible students beginning or already enrolled in an approved New York State medical or dental school. One hundred scholarships are awarded in the amount of \$10,000 per year. Eighty of the scholarships are awarded in medicine and twenty in dentistry. Awards are renewable for up to four years of study. No award shall exceed the actual cost of attendance and award recipients must agree to a service commitment upon completion of all professional training, including an internship or residency. Priority is given first to any candidate who is both economically disadvantaged and a minority group member historically underrepresented in the profession; second priority is given to any candidate who is a minority group member historically underrepresented in the profession; third priority is given to any candidate who is a graduate of one of the state sponsored opportunity programs: SEEK, College Discovery, EOP or HEOP. The State Education Dept., Bureau of HEOP/VTEA/scholarships has responsibility for administering the scholarship competition and designating award winners. Application deadline is May 1. Application forms may be obtained from the Financial Aid Office at the School of Dental Medicine.

Veterans Administration Educational Benefits (VA)

Interested students should contact the Office of Student Affairs, 3rd floor, Administration Building for Assistance and Information. Call 631-632-6700 or 6701 for an appointment.

Programs available for veterans and their families are:

- Child of Veteran Awards
- The Montgomery G.I. Bill
- Survivors and Dependents Educational Assistance
- Post Vietnam-Era Veterans Educational Assistance Program (VEAP)
- Regents Awards for Children of Deceased or Disabled Veterans

- Vocational Rehabilitation for Disabled Veterans
 - Vietnam Veterans Tuition Awards (VVTA)
- Other New York State Programs include:
- Persian Gulf Veterans Tuition Award Supplement
 - Vietnam Veterans Tuition Award Supplement
 - Memorial Scholarships for Families of Deceased Police Officers
 - Firefighters Supplement
 - Child of Deceased Correction Officer Award

Supplement

Applications are available from the New York State Higher Education Services Corporation, by calling 518-474-5642, or writing to:

NYSHESC, Division of Grants and Scholarships
99 Washington Avenue
Albany, NY 12255

Employment

Federal Work Study Program (FWS)

This is a federally-funded, part-time work program available to graduate and undergraduate students who demonstrate financial need. The amount of the award is based on the student's financial need, the availability of funds to the university, the number of hours that the student can work per week and the current pay rate.

The maximum number of work hours allowed is 20 per week during the academic year, and 40 per week during the summer session, if the student is not attending summer classes. Federal Work Study rates range from \$5.15 to \$14.53 per hour. Application for Federal Work Study is made by completing the FAFSA.

Student Employment

Students not eligible for FWS funds can work on campus under the student employment program. The west campus Office of Financial Aid and Student Employment maintains information on jobs available. Jobs are also announced in campus newspapers and on bulletin boards.

Loans

Health Professions Student Loan (HPSL)

This is a 5% interest loan, available to health professions students who demonstrate exceptional need. Need is based on information provided by both the student and his or her parents on the FAFSA form. Applicants will not be considered for this loan if parental information is not provided. The amount of the loan is based on the availability of funds. Loan amount may not exceed the amount of tuition plus \$2,500. The average award is \$3,000.

Federal Family Education Loan Program (FFEL)

Loans for Students - Federal Stafford Loans

For student borrowers, the FFEL Program offers two types of Stafford Loans: subsidized and unsubsidized. Full or part-time matriculated graduate and undergraduate students are eligible to apply for this loan program.

A subsidized loan is awarded on the basis of financial need. For the Subsidized Stafford Loan, the federal government pays the interest on the loan while the student is enrolled in school and during authorized periods of deferment. Repayment of the loan (principal and interest) begins six months after the student graduates or ceases to be half-time.

An unsubsidized loan is not need-based and is, therefore, available to students who do not qualify for Federal Subsidized

Stafford Loans, students who may qualify for only a partial subsidized loan, or students who wish to borrow in addition to the federal Subsidized Stafford Loans. For the Unsubsidized Stafford Loan the student borrower is responsible for paying the interest. The interest can be paid or capitalized (added to the principal). Repayment of the loan begins six months after the student graduates or ceases to be half-time. Please note that for loans disbursed prior to July 1, 1993, this may differ and the student borrower is advised to contact the lender to inquire about the proper deferments and repayment obligations.

The interest rate for borrowers is variable annually with a rate cap of 8.25%. It is recommended that students borrow Stafford Loans from their previous lenders. Repayment of all or part of the loan may be made in advance without penalty. After graduation or ceasing to be at least a half-time student, the student borrower must make formal arrangements with the lending institution to begin repayment.

Students can receive a subsidized and an unsubsidized loan for the same enrollment period. The maximum annual loan amounts are: DDS Students - \$38,500; Post-Graduate Students - \$18,500. A maximum of \$8,500 is allowed in the subsidized loan. Students, however, may not be able to borrow the maximum amounts since the amount of the loan is determined by the cost of attendance as determined by the institution minus any other financial aid. Cost of attendance includes tuition and fees, room and board, books, travel and allowance for personal expenses. The total Federal Stafford Loan debt allowed for health professions graduate or professional study is \$189,125 (maximum of \$65,500 in subsidized loans). The graduate debt limit includes any Stafford loans received as an undergraduate.

Application to the Stafford loans is made by filing the FAFSA. It is strongly recommended that students apply by early spring for the following year. The University at Stony Brook certifies student loans electronically using NYSHESC as the guarantee agency. Loan funds are disbursed in two disbursements, one for the fall and one for the spring semester, with up to a 3% origination fee deducted, depending on the lender, from each disbursement. Students need to be registered for the appropriate term before the loan checks are cleared for disbursements.

Application for Financial Aid Programs

These instructions apply to students interested in the following programs:

- Federal Work Study (FWS)
- Health Professions Student Loan (HPSL)
- Federal Stafford Loan Subsidized and Unsubsidized

The complete financial aid application file consists of the following documents:

- 1) Free Application for Federal Student Aid (FAFSA)
- 2) Other documents as requested by the financial aid administrator; i.e., copies of the student's and parents' federal tax forms, proof of non-taxable income (Social Security, social services benefits), verification of total income or household size.

Students are strongly advised to file for financial aid by April 1 of each year, to ensure that their awards and proper deferments are prepared by the beginning of classes in September; otherwise, they will be liable for late tuition payment fees. To be considered for the HPSL and Work Study programs and DW, the FAFSA must be received by the Federal processor on or before April 1. Any applications received after the deadline will be considered on the basis of financial need as funds are available.

Stafford loan funds may be available before the start of classes (depending on the date of application). Funds from the HPSL will be available several weeks after the semester starts or will be credited to your University account.

Payment and Deferment Process

Payment is made by check or credit card (MasterCard, Visa, American Express and Discover). Students receiving financial aid will have a deferment on their accounts equal to the amount of the award. Tuition, fees, health insurance, campus room and board charges (not campus apartments) may be deferred.

Students making payment after the published due dates will be required to pay a late payment fee of \$30. Late payment fees are cumulative up to \$90 per semester. Those students who register on or after the first day of classes in a given semester will be required to pay a late registration fee of \$30. The late registration period ends at the close of the second week of classes of each academic period. Students failing to meet financial obligations may be subject to additional fees/fines for collection agency charges.

Failure to satisfy their financial obligation in any given semester will prevent students from receiving academic credit, transcripts, diplomas and certifications, as well as being permitted to register for future semesters. Nonpayment does not constitute official withdrawal, which must be done through the Office of Student Services. Also, failure to attend classes will not relieve students of their financial obligation or entitle them to a refund. The date of official withdrawal determines eligibility for any refunds in accordance with the University refund policy.

Students who are preregistered or are assigned on-campus housing prior to the university's cut-off date will be billed for the upcoming term. Billing packets include full instructions for payment deadlines and methods of payment, as well as information concerning the fees listed on the bill. Students who wish to register after the cut-off date will be required to make payment or properly defer their entire bill in order to register.

Time Option Payment Plan (TOPP)

The University offers a Time Option Payment Plan (TOPP), which allows for the budgeting of expenses on a monthly basis. This is not a loan; therefore, no interest will be charged. The only cost is an annual processing fee to help defray the administrative expenses of the program. For further information, please contact Student Accounts at 631-632-6175.

University Fees and Charges

All fees and charges for a given academic period must be paid in full or be properly deferred prior to the first day of classes. Registration is not complete until a student pays all fees and charges which are due and payable. All fees and charges may be subject to change.

Inquiries concerning these and other sources of financial aid should be directed to the financial aid officer at the School of Dental Medicine at 631-632-3027.

Estimated Expenses for DDS Program, Including Living Costs

The table below presents minimum estimates of school expenses that a matriculating student should anticipate. All estimates are based on charges anticipated for the current academic year and are subject to change and all costs are subject to inflation.

Tuition

	Year 1	Year 2	Year 3	Year 4
NYS Resident	\$13,300	\$13,300	\$13,300	\$13,300
Non-Resident	\$26,200	\$26,200	\$26,200	\$26,200

Other Expenses

	Year 1	Year 2	Year 3	Year 4
Fees	\$753	\$635	\$635	\$595
Books	\$526	\$943	\$811	\$127
Supplies				
/Instruments	\$4,548	\$4,469	\$3,551	\$2,546
Transportation	\$3,380	\$3,380	\$3,380	\$3,300
Rent/Utilities	\$7,975	\$7,975	\$7,975	\$7,250
Food/Household	\$3,300	\$3,300	\$3,300	\$3,000
Clothing/Laundry	\$750	\$750	\$750	\$750
Medical Insurance	\$847	\$847	\$847	\$847
Uninsured				
Medical/Dental	\$250	\$250	\$250	\$250
Personal Allowance	\$1,375	\$1,076	\$1,076	\$1,076

Total Expenses

	Year 1	Year 2	Year 3	Year 4
NYS Resident	\$39,482	\$37,488	\$36,410	\$33,938
Non-Resident	\$52,382	\$50,388	\$49,310	\$46,838

Budgets represent estimated expenses for a ten-month period for fourth-year students and an eleven-month period for first, second and third-year students.

Note: All financial aid awarded will be based on the net difference between the standard student budgets as specified above and available student/family resources as determined by the Federal Methodology Need Analysis System.

Also, medical/dental expenses include a \$847 charge for Student Health Insurance. While this is an optional expense, students who are interested in a policy must pay for it separately from all other institutional fees and charges. Student health insurance is non-deferrable.

Postdoctoral Programs

	Year 1	Year 2	Year 3
Endodontics			
NYS Resident Tuition	\$6,912	\$6,912	
Non-Resident Tuition	\$10,512	\$10,512	
Program Fees	\$11,200	\$11,200	
Supplies, Instruments and Mandatory Fees	\$6,408	\$3,908	

	Year 1	Year 2	Year 3
Orthodontics			
NYS Resident Tuition	\$ 6,912	\$ 6,912	\$ 6,912
Non-Resident Tuition	\$10,512	\$10,512	\$10,512
Program Fees	\$11,200	\$11,200	\$11,200
Supplies, Instruments and Mandatory Fees	\$19,130	\$6,130	\$2,704

	Year 1	Year 2	Year 3
Periodontics			
NYS Resident Tuition	\$6,912	\$6,912	\$6,912
Non-Resident Tuition	\$10,512	\$10,512	\$10,512
Program Fees	\$11,200	\$11,200	\$11,200
Supplies, Instruments and Mandatory Fees	\$10,188	\$4,408	\$4,240

Academic-Year Fees and Charges*

Fees	
Optional Health Insurance	\$847 per year
International Student Insurance (mandatory)	\$687 per year

*Other fees may be required by programs. For detailed information on Payment and Deferment Process and Time Option Payment Plan please see the financial aid section beginning on page 57.

Academic Standing

The School of Dental Medicine evaluates each student's academic and clinical performance at the end of every 10-week quarter, and/or upon the completion of every scheduled course using the following grading policies:

- 1) Didactic and technique courses are graded A (Superior), B (Good), C (Satisfactory) or F (Failure).
- 2) Patient care courses and seminars are graded H (Honors), S (Satisfactory) or U (Unsatisfactory).
- 3) AW (Withdrawal) grade may be used if a student is given permission to withdraw from a course in progress.
- 4) An I (Incomplete) grade may be given in cases where students do not complete the required coursework by the stated end of a course due to circumstances beyond their control. This grade will be changed to an appropriate letter grade upon completion of outstanding course requirements. This grade must be resolved by the end of the next academic quarter or start of the next school year (whichever comes first); otherwise it will be automatically changed to an F unless these course director.
- 5) An R (Requirements) grade may be used in cases where students do not complete their clinical requirements by the end of any given year. Upon satisfactory completion in the following year, the student's grade will be changed appropriately. Advancement to succeeding academic years and recommendations for graduation are made by the school's Committee on Academic Standing. Students who receive final grades of C, S, or better, in all courses will be considered for unconditional grades of F or U, the committee may make the following recommendations to the Dean:
 1. Probational advancement
 2. Placement on modified (lightened) program of study
 3. Academic dismissal.

Students who receive grades of I or R (with all other grades of C, S or higher) may be considered for conditional advancement pending completion of those courses, at which time a grade listed in (1) or (2) above will be given; students academic standing will then be re-evaluated. Students on probationary status or modified programs for academic reasons who receive one or more grades of F or U will be considered for academic dismissal. These policies are subject to change by the Faculty Council of the school.

The Committee on Academic Standing also adjudicates reports of academic dishonesty and reports its findings and recommendations to the Dean. It is the policy of the School of Dental Medicine to ensure the integrity of its examination process, to promote ethical behavior in academic and clinical situations, and to develop a commitment by students to the integrity of the dental profession. Students have an obligation to refrain from any act which is designed to obtain for themselves or others academic credit, grades, or other recognition which is not properly earned. They also have an obligation to take an active role in ensuring that other students refrain from such acts. Each student therefore has the responsibility to prevent or report acts of academic dishonesty.

In cases of academic dishonesty, the student will be given an opportunity to appear before the Committee on Academic Standing. Decisions of the committee may be appealed to the Dean of Dental Medicine and the Vice President for Health Sciences Center.

Students who develop medical problems that interfere with their dental studies may be granted a medical leave of absence by the Dean. The Dean will indicate the necessary documentation required to support the granting of a medical leave and the criteria for resumption of studies.

A complete copy of the Academic Regulations and Procedures of the School of Dental Medicine is given to each student at the start of each academic year for information and reference.

Continuing Dental Education

The School of Dental Medicine, recognizing that dental education does not end with the award of a dental degree, is committed to continuing education. Courses in the various clinical and related basic science disciplines are offered each year to the dental communities of Queens, Nassau and Suffolk Counties for practicing dentists, dental residents, educators and dental auxiliaries. For further information and/or registration please call 631-632-9326.

DDS Degree Curriculum

The program of study leading to the Doctor of Dental Surgery degree consists of a fixed sequence of courses as listed below. Enrollment in the second, third and fourth years requires the satisfactory completion of all courses in the previous year. Exception may be made in special cases as described in the section on academic standing. Under certain conditions, credit may be given for equivalent courses taken at other recognized academic institutions.

The course hours listed may vary from year to year because of holidays and other school closings. The sequencing of courses, course titles and course hours are subject to modification to reflect changing concepts in dental education and curriculum revisions.

First-Year Program

Course #	Title	Hours
HBC 531	Molecules, Genes and Cells	152
HBA 521	The Body	131
HBA 522	Embryology	12
HBN 531	Medical Neurosciences	88
HBY 531	Medical Physiology	128
HBP 531	General Pathology	104
HD 531	Nutrition	23
HDI 531	Off-site Clerkship	
HDG 501	Healthcare Systems I	39
HDG 502	Introduction to Clinical Dentistry	32
HDG 503	Radiology I	12
HDG 511	Dental Morphology and Introduction to Occlusion	88
HDG 512	Operative Technique I	120
HDO 501	Oral Biology I	31
HDP 501	Introduction to Periodontics	14

Second-Year Program

Course #	Title	Hours
HBH 531	Principles of Medical Pharmacology	91
HBM 531	Medical Microbiology	86
HDC 601	Children's Dentistry I	124
HDG 601	Fundamentals of Critical Thinking	24
HDG 602	Dental Materials Science I	13
HDG 603	Radiology II	24
HDG 604	Behavioral Interactions	26
HDG 605	Removable Prosthodontics	54
HDG 611	Fixed Partial Prosthodontics Technique	140
HDG 612	Operative Dentistry Technique II	24
HDG 613	Removable Prosthodontics Technique	86

HDI 631	Off-site Clerkship	
HDM 601	Law, Ethics and Risk Management I	4
HDO 601	Oral Biology II	84
HD 601	Diagnosis and Treatment of Periodontal Diseases I	46
HDS 601	Oral and Maxillofacial Surgery	56
HDS 602	Pain Control I	24
HDS 603	Medical Emergencies I	10
HDS 604	Pain Control II	28
Clinics		
HDC 621	Year II Children's Clinic	45
HDG 621	Year II Operative Clinic	195
HDG 622	Year II Radiology Clinic	30
HDS 621	Year II Oral and Maxillofacial Surgery Clinic	9

Third-Year Program

Course #	Title	Hours
HDC 701	Children's Dentistry II	65
HDG 701	Healthcare Systems II	20
HDG 702	Dental Materials Science II	16
HDG 703	General Dentistry Seminar	6
HDG 704	Practice Development I	14
HDG 705	Dental Auxiliary Utilization	8
HDG 706	Tissue Integrated Prosthetics	18
HDG 707	Removable Prosthodontics Seminar	14
HDG 711	Endodontic Technique	45
HDI 701	Periodontics/General Dentistry Treatment Planning Seminar	14
HDI 731	Off-site Clerkship	
HDO 701	Oral Biology III	26
HDO 702	Oral Pathology	72
HDO 703	Oral Pathology Conference I	16
HDO 704	Oral Diagnostics	37
HDO 705	Oral Medicine	16
HDO 706	Oral Facial Genetics	30
HDO 707	Clinical Pharmacology	18
HDP 701	Diagnosis and Treatment of Periodontal Diseases II	17
HDP 702	Periodontal Clinical Seminar	8
HDS 701	Oral and Maxillofacial Surgery Seminar	10
HDS 702	Medicine for Dental Students	92
HDS 703	Medical Emergencies II	3
Clinics		
HDC 721	Year III Children's Clinic	228
HDG 721	Year III Operative Clinic	248
HDG 722	Year III Fixed Partial Prosthodontics Clinic	218
HDG 723	Year III Removable Prosthodontics Clinic	124
HDG 725	Year III Endodontics Clinic	30
HDG 726	Year III Radiology Clinic	20
HDP 721	Year III Periodontics Clinic	111
HDS 721	Year III Oral and Maxillofacial Surgery Clinic	24

Fourth-Year Program

Course #	Title	Hours
HDG 802	Dental Materials Seminar	13
HDG 803	General Dentistry Seminar	36
HDG 804	Practice Development II	27
HDG 805	Care for Medically Compromised and Geriatric Patients	52
HDG 806	Advanced Imaging Techniques	8
HDI 801	Board Review Sessions	104
HDI 802	Temporomandibular Joint Disorders Seminar	24
HDI 821	Year IV Selective Courses	120

HDI 831	Off-site Clerkship	
HDM 801	Law, Ethics, and Risk Management II	14
HDO 803	Oral Pathology Conference II	11
HDS 803	Medical Emergencies III	3
Clinics		
HDC 821	Year IV Dental Care for the Developmentally Disabled Clinic	48
HDG 821	General Practice Program Clinic I (see also HDP 821)	440
HDG 822	General Practice Program Clinic II (see also HDP 821)	350
HDG 823	Year IV Radiology Clinic	10
HDG 824	Year IV Dental Emergencies Clinic	20
HDO 821	Year IV Oral Diagnostics Clinic	36
HDP 821	Year IV Periodontics Clinic I (component of HDG 821)	60
HDP 822	Year IV Periodontics Clinic II (component of HDG 822)	60
HDS 821	Year IV Oral Surgery Clinic (SDM)	24
HDS 822	Year IV Oral Surgery Clinic (Hospital Rotation)	25

Fourth-Year Selective Courses (HDI 821)

During the fourth year, students may take up to 120 hours of selective courses at the School of Dental Medicine.

Department	Course Title
Children's Dentistry	Clinical Orthodontics
	Clinical Pediatric Dentistry
	Pediatric Dental Research
	Cleft Palate
Dental Medicine	Health Law
	Health Policies and Delivery Systems
General Dentistry	Advanced Prosthodontics
	Cosmetic Dentistry
Oral Biology & Pathology	Research in Oral Biology & Pathology
Oral & Maxillofacial Surgery	Oral & Maxillofacial Surgery
Periodontics	Clinical Periodontics
	Research in Periodontics

In lieu of the selectives listed above, dental students may request the use of 120 selective hours to pursue an activity relative to healthcare that is of special interest. Approval of such requests is contingent on the availability of appropriate faculty and resources.

Basic Sciences

Instruction in the basic sciences for dental students is provided by the following faculty of the School of Medicine.

Professors: Peter R. Brink (Physiology), John B. Cabot (Neurobiology and Behavior), Jorge Benach (Microbiology), David W. Krause (Anatomical Sciences), Jack Stern (Anatomical Sciences), Moises Eisenberg (Pharmacology), Lorne M. Mendell (Neurobiology and Behavior), Sanford Simon (Pathology), Leslie C. Evinger (Neurobiology), S. Murray Sherman, (Neurobiology), Dafna Bar-Sagi (Microbiology), Stuart McLaughlin (Physiology), Nisson Schechter (Physiology)

Associate Professors: James B. Bliska (Microbiology), Raafat El-Magharbi (Physiology and Biophysics), Mary F. Kritzer (Neurobiology), Margaret A. McNurlan (Surgery), Robert Haltiwanger (Biochemistry), Todd Miller (Physiology), Howard Fleit (Pathology)

Research Assistant Professor: Roger Cameron (Physiology and Biophysics)

Assistant Professors: Jen-Chih Hsieh (Biochemistry), Wali Karzai (Biochemistry), Aaron Neiman (Biochemistry)

Courses

HBC 531 Molecules, Genes and Cells

An integrated course covering the important aspects of biochemistry, cell biology, human and molecular genetics, and histology. Includes lectures, small group conferences, and laboratories. The course stresses the clinical relevance of the basic science material.

152 course hours, Dr. El-Magharbi and Dr. Schechter

HBA 521 The Body

A lecture and laboratory with emphasis on dissections of the human head, neck, and trunk. Includes functional and topographic anatomy, embryology, clinical correlations, and an introduction to radiology.

131 course hours, Dr. Krause and Dr. Stern

HBA 522 Embryology

A comprehensive course on human embryological development.

12 course hours, Dr. Stern

HBN 531 Medical Neurosciences

Surveys functional neural systems integrated with laboratory studies of the structure and organization of the human central nervous system. Topics include sensory and motor systems and the autonomic nervous system.

88 course hours, Dr. Kritzer

HBV 531 Medical Physiology

A graduate-level introduction to the physiology of the organ systems with ultrastructural correlations. Ultrastructural correlations are demonstrated in a laboratory setting using histological preparations in conjunction with electron micrographs illustrating the relevant ultrastructure needed to understand the normal functioning of tissues and organs. The physiology of the major organ systems is addressed in a lecture format with the emphasis on problem solving. Relevant clinical correlations are addressed at the end of each block in so far as they illustrate how symptoms and signs of disease result from disordered physiology. Medical Physiology addresses the structure and function of the cardiovascular, respiratory, renal, gastrointestinal, endocrine, skeletal, reproductive, and integumentary systems.

128 course hours, Dr. Cameron

HBP 531 General Pathology

Introduces the nature and causes of disease, death, reaction to injury, and repair. Analyzes associated structural changes in cells and tissues, with reference to their functional correlates.

104 course hours, Dr. Fleit

HD 531 Nutrition

The goal of this course is to develop in the student a solid understanding of the role of dietary deficiency, excess, or imbalance in altered metabolism of nutrients and pathogenesis of disease, and the role of dietary modification and specialized nutrient formulations and delivery systems in preventing and treating chronic and acute illness.

23 course hours, Dr. McNurlan

HBM 531 Medical Microbiology

Presents information derived from molecular genetics and cellular biology of microorganisms to provide a foundation for understanding basic mechanisms underlying pathogenicity of viruses, bacteria, fungi, and protozoa. Laboratory experiments demonstrate techniques to identify and quantitate bacteria.

86 course hours, Dr. Benach

HBH 531 Principles of Medical Pharmacology

Basic principles that underlie actions of drugs on physiological processes with particular reference to their therapeutic and toxic actions. Primarily for medical, dental and graduate students.

91 course hours, Dr. Eisenberg

Department of Children's Dentistry

Chair: Stanley A. Alexander

Distinguished Professor: Louis W. Ripa, Jr.

Distinguished Teaching Professors: Stanley A. Alexander, Fred S. Ferguson

Professor Emeritus: Gary S. Leske

Clinical Professors: Richard D. Faber, Donald B. Giddon

Clinical Associate Professor: Antonino Russo

Clinical Assistant Professors: Nina K. Anderson, Denise Emma, Zachary Faber, Ian A. Glaser, Stephen B. Gold, Robert B. Goldman, Ross Gruber, Joan Korins, Howard R. Miller, Erin E. Riley, Pamela Sands, Robert Schindel, Steven S. Schwartz, Robert Serino, Rhona S. Sherwin, Michael Winninger

The program in children's dentistry begins in the first quarter of the second year. Initially, the student is introduced to the preventive aspects of dental care in children. Dental care prevention is especially stressed, including the use of systemic and topical fluorides, occlusal sealant application and diet modification. Restorative care and appliance therapy for children is also taught with equal emphasis placed upon the technical aspects of treatment and treatment rationale. The development of occlusion from the prenatal period through adolescence is presented, and what constitutes a normal occlusion is described. Students learn to recognize malocclusion, identify the concomitant etiologic factors and are taught to prevent, intercept or treat minor problems of the occlusion. The didactic program continues in the third year with emphasis on behavior management in children, orthodontic considerations for the adult patient and literature review. Clinical sessions in children's dentistry are conducted in the student's second and third years.

The department offers selectives to fourth year students both at the school and at affiliated institutions. In addition, a fourth-year clinical program in dental care for the developmentally disabled is provided.

Courses

HDC 601 Children's Dentistry I

An introduction to pediatric dentistry, orthodontics, and clinical caries prevention with emphasis on the normal child's dentition, dental abnormalities, pulp therapy, operative procedures, treatment of traumatic injuries, growth and development of the jaws, cranium and dentition, normal occlusion and malocclusion, orthodontic diagnosis including cephalometrics, interceptive and corrective treatment. Stresses rationale of caries prevention and importance of dietary factors. The course includes laboratory.

124 course hours, Dr. Alexander

HDC 621 Year II Children's Clinic

Provides clinical experience for the preventive, interceptive, corrective, operative, surgical treatment of children. Faculty supervision.

Prerequisite: HDC 601 Laboratory Component
45 course hours, Dr. Alexander

HDC 701 Children's Dentistry II

An introduction to behavior management of the child dental patient, orthodontic tooth movement, and orthodontics for adult patients. Includes laboratory session in minor tooth movement and orthodontic and pediatric dental literature review seminar and case presentations.

Prerequisite: HDC 601
65 course hours, Dr. Alexander

HDC 721 Year III Children's Clinic
Provides clinical experience in comprehensive patient care for pre-school, school-age and adolescent patients; dental care for the handicapped, and orthodontic treatment on adults undergoing other kinds of dental care.
*Prerequisite:*HDC 602
228 course hours, Dr. Alexander

HDC 821 Year IV Dental Care for the Developmentally Disabled Clinic
Provides clinical experience in comprehensive care for the developmentally disabled, including pre- and post-sensitivity training.
*Prerequisites:*HDC 602 and 702
48 course hours, Dr. Cinotti

**Selective Courses
(See HDI 821)**

Clinical Orthodontics
Clinical orthodontics involving correction of major malocclusion under direct faculty supervision.
School of Dental Medicine
Drs. Alexander and Faber

Clinical Pediatric Dentistry
Clinical experiences involving young patients with major dental problems and patients with developmental disabilities.
School of Dental Medicine
Dr. Ferguson and faculty

Pediatric Dental Research
Clinical pediatric dentistry and/or laboratory research conducted at the school or in the field.
School of Dental Medicine
Drs. Ferguson, Leske and Ripa

Department of Dental Medicine

*Chair:*Barry R. Rifkin

*Professors:*John F. Chaves, Barry R. Rifkin

Professor Emeritus: Burton R. Pollack (dental health law)

*Associate Professor:*Joseph K. Spector

*Assistant Professor:*Martin R. Boorin

*Clinical Associate Professors:*Aldo Betro, Eugene A. Cohen, Sidney LaPook, Edward H. Schwartz

*Assistant Professors:*Stanley Einbender, Lewis J. Gilmore, Paul A. Spenadel, Gilbert E. Winn

*Clinical Assistant Professors:*Michael S. Apton, Robert M. Benton, Barbara Berentsen, Amir H. Biniiaz, Kendra D. Block, Robert Bloom, Edward M. Bram, Robert A. Brown, James R. Cella, Jerome Cymerman, Debra A. Cinotti, Johnasina L. Cummings, Anthony F. DeLio, Ralph Epstein, Robert J. Fink, Bradley M. Fishman, Deborah Gazzillo, Joel T. Gluck, Harold Gottlieb, Marc Gottlieb, Alan J. Gould, Howard Gruber, Miles R. Hellman, Richard I. Herman, Archer J. Israel, Edward Isaac, Scott O. Kissel, Donald Kitzis, Roger Kleinman, Alan B. Klopman, Theodore J. Klopman, Joan Korins, Alan D. Kronish, Henry L. Lewis, Robert S. Lewis, Herman A. Litman, Jay B. Lubliner, Andrew L. Macina, Sanford L. Mailman, Steven A. Milhauser, Allan Mohr, Joseph F. Morales, Timothy J. Murphy, Charles M. Neidorff, Alan J. Nevins, Robert O'Sickey, Steven G. Popola, Robert Peskin, Lawrence A. Popkin, Ellen L. Raffel,

Mark Robbins, Robert Z. Rosenthal, Martin I. Schachter, Joseph L. Schwadron, Allen Seely, Sheryl L. Silverstein, Stephen L. Sylvan, J. Eric L. Tobias, Denise Trochesset, Richard S. Turner, Richard P. Valentine, Sol Weitzman, William J. Whitehorn, Janet Wu

Clinical Instructors: Elizabeth Crutchfield, Bruce T. Michnick, Kenneth Schneider

Lecturers: John E. Dodes, Arthur I. Hazelwood, Lawrence Jerrold, Marvin J. Schissel, Kenneth Shay

Dental Health Law Lecturers: Robert A. Harris, Kevin Lastorino, Thomas P. Orfanos, Charles S. Ryan, Stuart B. Shapiro

Courses

HDI 531 Off-site Clerkship

HDI 631 Off-site Clerkship

HDM 601 Law Ethics and Risk Management I
The course deals with ethical and legal considerations in the practice of dentistry. The Dental Care Center is used as the practical laboratory for practice management. Ethics management law, and compliance with the rules of the clinic are monitored by faculty.
4 course hours, Dr. Pollack

HDI 731 Off-site Clerkship

HDM 801 Law, Ethics and Risk Management II
A continuation of HDM 601, where the Dental Care Center is the practical laboratory to demonstrate and reinforce effective principles of practice management, and acceptable ethical behavior toward the patients, associates, and staff. Includes small group discussion of comprehensive patient care in terms of variations of medical, psychological and economic factors which could impact treatment planning and/or treatment period. Record audits are conducted and reviewed by students under faculty supervision.
*Prerequisite:*HDM 601
14 course hours, Dr. Pollack

HDI 701 Periodontics/General Dentistry Treatment Planning Seminar
Comprehensive treatment planning is an essential step in providing care to patients. In this course each student develops and presents a comprehensive treatment plan for a patient utilizing computer generated text slides, clinical slides, radiographs and handouts.
20 course hours, Dr. Zove and Dr. Ullo

HDI 801 Board Review Sessions
This is a comprehensive review of the treatment planning principles and basic clinical techniques and procedures. It covers all dental disciplines, and is designed to prepare students for licensing examination (i.e. National Boards, NERB).
104 course hours, faculty members of all departments

HDI 802 Temporomandibular Joint Disorders Seminar
A series of lectures/seminars focusing on differential diagnosis and treatment of facial pain.
24 course hours, Dr. Kittay and faculty

HDI 821 Year IV Selective Courses
See individual department listing for each selective course description.
120 course hours, various SDM faculty

HDI 831 Off-site Clerkship

Selective Courses (See HDI 821)

Health Law

Covers the legal and judicial processes as they relate to regulation and litigation in health practice. Emphasizes selected readings, participation in seminars, and case studies. Instruction in the use of the law library for legal preparation for research publication in a law journal.

School of Dental Medicine

Dr. Pollack

Department of General Dentistry

Chair: Mary R. Truhlar (Acting)

Professors: Edward R. Schlissel, H. Barry Waldman, Mark S. Wolff

Associate Professor: J. Richard Durnan

Adjunct Associate Professor: Stanley M. Dunn

Clinical Associate Professors: Edward W. Antos, Maria T. Barreto, Douglas J. Foerth, Seymour Friedman, Arthur Goren, Sanford Lyman, Charles A. Ullo, William J. Tinkler, Mary R. Truhlar

Assistant Professors: David A. Abroff, James J. Cancro, Burton S. Wasserman, Ling Xu

Clinical Assistant Professors: Nancy Amoia, David Anolik, Beth Buono-Aprea, Leonard I. Berkowitz, Carl R. Blohmke, Bruce R. Brown, Charles Bythewood, Gabriel Conte, Cecila T. Diggin, Robert Dubois, Anthony Fazio, Steven R. Feigelson, Sheila A. Foerth, John J. Foti, Jr., Vincent Frazetto, Janice L. Gillespie, Joseph Graskemper, Richard Greenfield, David Hershkowitz, Richard Imperato, Edward Isaac, Alan S. Kramer, Stephen Kruger, John Lagner, Bonnie E. Lipow, Maria Maranga, Ann M. Nasti, Debra G. Oreste, Mark G. Pancotto, Don A. Pantino, Jeffrey Pobiner, Todd Randolph, Sylvia Rice, Jeffrey Sachs, Eric B. Salmonson, Andrew B. Schwartz, Aaron G. Segal, Laura Selub, Sara Shambayati, Gregory J. Skrapits, Mark Slovin, Marika Spizz, Joan M. Waldron, Richard Weledniger, Ronald Wender, Robert G. Wendt, Thomas J. Wilkens, Laurence A. Wynn, Angela E. Zerounian

Clinical Assistant Instructors: Dimitrios Kilimitzoglou, Raveena Sharma, Frederick A. Stange

Lecturers: Ronald C. Haas, Kenneth Shay

The Department of General Dentistry encompasses the clinical disciplines of operative dentistry, fixed and removable prosthodontics, endodontics, dental anatomy, dental auxiliary utilization, dental materials, oral and maxillofacial radiology, and dental public health. Departmental responsibilities also include instruction in occlusion.

During the first year, the student is introduced to dental restorative procedures through a course in tooth morphology (dental anatomy) and to preclinical exercises in operative dentistry. Clinical activity begins in the second year with the student performing simple operative procedures for patients. As the students progress through the preclinical instruction in dentures, endodontics and fixed partial prosthodontics, the scope of services expands and reflects their increased clinical knowledge and skills.

During the third and fourth years, having established

familiarity with patient management in the clinical environment, students refine their skills and develop expertise necessary for the practice of dentistry.

In the fourth year, all students treat patients in a general practice program in a format similar to private practice. Students learn procedures under the guidance of general practitioners with specialists available when the complexity of the case warrants.

Courses

HDG 501 Healthcare Systems I

Introduces the organization and component aspects of the health delivery system in the United States. Emphasizes the effect on the patient, the provider, health institutions, and the general community.
39 course hours, Dr. Waldman and faculty

HDG 502 Introduction to Clinical Dentistry

A multidisciplinary course that prepares students for clinical dentistry. Students develop skills in recording patient medical history, performing comprehensive head and neck exams and monitoring vital signs. Covers infection control and safe working practices and introduces oral pathology and systemic diseases that affect the oral cavity. Students receive clinical experience in assisting.
32 course hours, Dr. Wolff and faculty

HDG 503 Radiology I

Basic principles of radiation physics and concepts of radiation safety in the dental office; geometric principle of x-ray image formation.
12 course hours, Dr. Goren

HDG 511 Dental Morphology and Introduction to Occlusion

Introduces the morphology of the permanent dentition, emphasizes eye-hand coordination, dental inlay wax manipulation, reproduction of tooth crown contours in three dimensions with wax, and some basic factors of occlusion and their relation to tooth morphology.
88 course hours, Dr. Rice and faculty

HDG 512 Operative Dentistry Technique I

Introduces the carious process, the classification of carious lesions and the restoration of each classification. Includes nomenclature, cavity preparation, use of instruments and manipulation of the various restorative materials. Lectures and laboratory exercises.
120 course hours, Dr. Wilkens and faculty

HDG 601 Fundamentals of Critical Thinking

Introduces the basic concepts of statistics and experimental design and emphasizes organization of data, graphs and tables, probability, descriptive statistics, measures of central tendency and variation, the normal distribution, confidence intervals, hypothesis testing, and elements of research design.
24 course hours, Dr. Chaves

HDG 602 Dental Materials Science I

Introduces the structure of matter and the physical and mechanical properties of selected dental materials fundamental to restorative dentistry. Emphasizes evaluating materials for clinical application compatible with the guidelines and specifications of the Food and Drug Administration and the American Dental Association.
13 course hours, Dr. Schlissel

HD 603 Radiology II

A continuation of HDI 502. Advanced topics in oral radiology, including principles of curved surface laminography, screen imaging systems and extra-oral projections with special emphasis on radiation safety. Includes intraoral and extraoral imaging techniques, principles of dental panoramic radiography and fundamentals of computed tomography (CT Scan) and resonance imaging (MRI).
Prerequisite: HDG503
24 course hours, Dr. Goren

HDG 604 Behavioral Interactions

Introduces behavioral science, including psychological aspects,

communication skills and interpersonal relations. Emphasizes self-assessment, risk taking, and personal impact.
26 course hours, Dr. Wender

HDG 605 Removable Prosthodontics
Presents principles and laboratory procedures for the treatment of the complete edentulous patient. Covers diagnosis, treatment planning, survey and design analysis, prosthodontics terminology, biologic and anatomic factors, and the basic prosthodontic principles and practices in the fabrication of complete denture prosthesis.
Corequisite: HDG 613
54 course hours, Dr. Lyman and faculty

HDG 611 Fixed Partial Prosthodontics Technique
Introduces the concept of occlusion and fixed partial denture theory and principles. Includes the techniques for fabricating occlusal surfaces of teeth in wax compatible with these concepts. Covers impression techniques and the development of diagnostic and practical skills related to the laboratory procedures for the fabrication of dental castings and multi-unit fixed restoration.
Prerequisites: HDG 511, 512
140 course hours, Dr. Ullo and faculty

HDG 612 Operative Dentistry Technique II
Introduces the student to the techniques included in the fabrication of internally-retained cast gold restorations; includes principles of tooth preparation, fabrication of wax patterns, and casting and finishing of these restorations
Prerequisite: HDG 512
24 course hours, Dr. Wolff and faculty

HDG 613 Removable Prosthodontics Technique
Presents principles and laboratory procedures for the treatment of the partially edentulous patient. Covers diagnosis, treatment, planning, and design analysis, prosthodontic terminology, biologic and anatomic factors and the basic prosthodontic principles and practices in the fabrication of removable partial denture prosthesis.
Prerequisites: HDG 511, 512
86 course hours, Dr. Antos and faculty

HDG 621 Year II Operative Clinic
Clinical experience in the application of operative procedures. Includes supportive laboratory assignments. Advancement to more independent levels of instruction and patient treatment based on ability.
Prerequisite: HDG 512
Corequisites: HDS 603, HDS 602 and HDM 601
195 course hours, Dr. Nasti and faculty

HDG 622 Year II Radiology Clinic
Introduction of oral radiography in care of patients.
30 course hours, Dr. Goren and faculty

HDG 701 Healthcare Systems II
A continuation of HDG 501. Emphasizes health insurance, national health programs, developing problems in the delivery of dental services, and the health systems of other countries as comparative models.
20 course hours, Dr. Waldman

HDG 702 Dental Materials Science II
A continuation of HDG 602.
16 course hours, Dr. Schlissel

HDG 703 General Dentistry Seminar
Topics of interest to Year III dental students.
6 course hours, Dr. Wolff

HDG 704 Practice Development I
Focuses on techniques used to develop and maintain an active dental practice. Emphasizes interpersonal skills and the use of computers for effective practice development.
14 course hours, Dr. Wender

HDG 705 Dental Auxiliary Utilization
The development of knowledge and skills in four-handed, sit-down dentistry and patient management.
8 course hours, Dr. Blohmke

HDG 706 Tissue Integrated Prosthetics
A comprehensive didactic course that provides a solid foundation for the student in this new discipline of dental implantology.
18 course hours, Dr. Wolff and faculty

HDG 707 Removable Prosthodontics Seminar
A continuation of HDG 605 and HDG 613.
Prerequisites: HDG 605 and HDG 613
16 course hours, Dr. Antos and faculty

HDG 711 Endodontics Technique
Introduces the biology and pathology of the pulp and the periapical tissues, and the principles of endodontic diagnostic and treatment procedures. Laboratory included.
Prerequisites: HDG 603, HDG 621
45 course hours, Dr. Friedman

HDG 721 Year III Operative Clinic
The clinical continuation of HDG 621. Emphasizes treatment within the discipline of operative dentistry.
Prerequisites: HDG 603, HDG 605, HDG 613, HDG 621
248 course hours, Dr. Schwartz and faculty

HDG 722 Year III Fixed Partial Prosthodontics Clinic
Emphasizes treatment within the discipline of fixed partial prosthodontics.
Prerequisites: HDG 603, HDG 605, HDG 613, HDG 621
218 course hours, Dr. Ullo and faculty

HDG 723 Year III Removable Prosthodontics Clinic
Emphasizes treatment within the discipline of removable prosthodontics.
Prerequisites: HDG 603, HDG 605, HDG 613, HDG 621
124 course hours, Dr. Xu and faculty

HDG 725 Year III Endodontics Clinic
Emphasizes treatment within the discipline of endodontics.
Prerequisites: HDG 603, HDG 621
30 course hours, Dr. Friedman

HDG 726 Year III Radiology Clinic
A continuation of HDG 622. Applies oral radiography in the care of patients.
Prerequisite: HDG 622
20 course hours, Dr. Goren and faculty

HDG 802 Dental Materials Seminar
Discusses the materials and techniques utilized in modern dental practice. Topics build upon clinical experience.
Prerequisite: HDG 702
13 course hours, Dr. Schlissel

HDG 803 General Dentistry Seminar
A comprehensive review of restorative dentistry that emphasizes treatment planning. Guest lecturers.
Prerequisites: HDG 703
36 course hours, Dr. Schwartz

HDG 804 Practice Development II
A continuation of HDG 704 that emphasizes interpersonal skills and the use of computers for effective practice management.
Prerequisite: HDG 704
27 course hours, Dr. Wender

HDG 805 Care of Medically Compromised and Geriatric Patients
A series of lectures focused on the medical, psychological and sociological problems that influence the provision of dental care to a population with concomitant medical problems.
52 course hours, Dr. Truhlar and faculty

HDG 806 Advanced Imaging Techniques
Advanced clinical experiences in oral radiographic technique, clinical interpretation and critical appraisal of the quality of radiographs.
8 course hours, Dr. Goren

HDG 821 General Practice Program Clinic I
Simulates a small group practice where students gain extensive experience in treating complex restorative problems requiring a multidisciplinary approach (see also HDP 821).
440 course hours, Dr. Hershkowitz and faculty

HDG 822 General Practice Program Clinic II
(See also HDP 822) A continuation of HDG 821.
350 course hours, Dr. Hershkowitz and faculty

HDG 823 Year IV Radiology Clinic
A continuation of HDG 726. Applies oral radiography in the care of patients.
10 course hours, Dr. Goren and faculty

HDG 824 Year IV Dental Emergencies Clinic
20 course hours, Drs. Hershkowitz and faculty

Selective Courses (See HDI 821)

Advanced Prosthodontics
Clinical experiences involving complex cases which require sophisticated prosthetic techniques and procedures.
School of Dental Medicine
120 course hours, Dr. Ullo

Cosmetic Dentistry
Clinical experiences in the current techniques for the esthetic restoration of teeth, including porcelain laminates and inlays/overlays, and esthetic considerations for operative dentistry and prosthodontics.
School of Dental Medicine
120 course hours, Dr. Barreto

Health Policies and Delivery Systems
Individual study and independent analysis of health policy issues affecting dental care delivery.
School of Dental Medicine
Dr. Waldman

Systems Methodology
Presents the basic concepts of system analysis and operations research and their relationship to the healthcare delivery system; includes the design and analysis of management planning models and simulation of systems.
School of Dental Medicine
Dr. Shakun

Department of Hospital Dentistry and Dental Anesthesiology

Chair: Robert P. Reiner (Acting)

Distinguished Teaching Professors: Stanley Alexander, Fred S. Ferguson

Professors: Vincent J. Iacono, Mark Wolff

Associate Professors: Anthony J. Casino, Maria E. Ryan, Mark Swerdloff

Assistant Professors: Martin R. Boorin, Salvatore L. Ruggiero

Clinical Professor: Richard D. Faber

Clinical Associate Professors: Alvin W. Heller, Robert Peskin, Stephen Sachs, Mary R. Truhlar

Clinical Assistant Professors: Michael Apton, Barry Bass, William Bast, Steven Bear, Edward Bram, Beth Buono-Aprea, Debra Cinotti, Johnasina Cummings, Jerome Cymerman, Martin Dominger, Steven Feigelson, Bradley Fischman, John Frost, Stephen Gold, Jeffrey Goldberg, Marc Gottlieb, William Greene, Ronald Haas, Joel Holubar, Jonathan Kameros, William Katz, Roger Kleinman, Leon Klempner, Joan Korins, Allan Kucine, Arthur Kupperman, David Malkin, Timothy Murphy, Jay Neugarten, David Plosky, Martin Pokorny, Sharon Pollick, Robert Reiner, Stacy Reisfeld-Pisciotta, William X. Schneider, Michael Schwartz, Allen Seeley, Aaron Segal, Scott Siegel, Stephen Sokoloff, Lester Stein, Kenneth Stoler, Denise A. Trochesset, Nils Wallen, Richard Weledniger

The department was established in September 2000, in order to provide experiences in the dental management of hospital inpatients and outpatients. The department also provides instruction in various pain management techniques.

Department of Oral and Maxillofacial Surgery

Chair: Allan J. Kucine (Acting)

Associate Professors: Anthony J. Casino, Mark Swerdloff

Clinical Associate Professors: Stephen Sachs, Rory Sadoff

Assistant Professor: Salvatore L. Ruggiero

Clinical Assistant Professors: Thomas Arcati, Nelson R. Assael, Barry D. Bass, William G. Bast, Lawrence E. Becker, Richard Berg, Bertram Blum, Martin Dominger, John G. Esposito, John M. Frost, Jeffery Goldberg, Joel F. Holubar, Robert P. Iovino, Guenter J. Jonke, Jonathan B. Kameros, Stuart A. Kay, Allan J. Kucine, Arthur W. Kupperman, Harvey Meranus, David M. Miller, Alex Montezam, Victor L. Nannini, Jay Neugarten, Brian O'Neill, Kevin J. Penna, Sharon A. Pollick, Alan M. Protzel, Peter Protzel, Lloyd Roberts, Ronald E. Schneider, William X. Schneider, Michael H. Schwartz, Scott Siegel, Steven I. Snyder, Stephen M. Sokoloff, Lester D. Stein, Kenneth L. Stoler, Charles Stroh

The goal of the teaching program in oral and maxillofacial surgery is to prepare students to be competent in performing minor oral surgical procedures and to be able to manage more complex cases. Students receive instruction and acquire abilities in the manipulation of soft and hard tissues (e.g., removal of erupted teeth, flap procedures, alveoloplasty and suturing techniques). In addition, students have the opportunity to gain experience in performing more advanced surgical procedures. The program provides insight into the management of complex problems such as facial bone fractures, impacted teeth, salivary gland diseases, tumors, and developmental abnormalities. The oral and maxillofacial surgery curriculum includes instruction in patient evaluation, pain and anxiety control and the management of medical emergencies.

Courses

HDS 601 Oral and Maxillofacial Surgery

This didactic course, which is an introduction to Oral and Maxillofacial Surgery, examines the various conditions, diseases, and injuries treated by the oral and maxillofacial surgeon. Students develop an understanding of the surgery of the hard and soft tissues of the oral and maxillofacial region.

56 course hours, Dr. Swerdloff and faculty

HDS 602 Pain Control I

Introduces the psychology and physiology of pain, the diagnosis and management of various pain syndromes, and the pharmacology and appropriate prescribing of analgesic medications. This course covers all phases of the administration of local anesthetics, including the selection of appropriate agents and intraoral injection techniques based on the needs of the individual patient and the specific procedure to be performed.

24 course hours, Dr. Kucine

HDS 603 Medical Emergencies I

The dentist must be prepared to manage medical emergencies that may occur during the course of dental therapy. This course presents a variety of medical emergencies that may be caused by specific disease states, medications administered in the dental office, or by anxiety related to the dental visit. Prevention of medical emergencies is emphasized, as well as diagnosis and management.

10 course hours, Dr. Kucine

HDS 604 Pain Control II

Introduces various techniques for sedation in the dental office, with an emphasis on the administration of nitrous oxide analgesia. Patient selection, monitoring techniques and a review of relevant cardiovascular and respiratory physiology is covered.

Prerequisite: HDS 602

28 course hours, Dr. Kucine and faculty

HDS 621 Year II Oral and Maxillofacial Surgery Clinic

The clinical complement to HDS 601. Students develop skills in taking a comprehensive medical history as it applies to surgical care, in the proper administration of local anesthesia, in performing simple exodontia, in prescription writing, and in the postoperative care of the surgical patient.

Corequisite: HDS 601

9 course hours, Dr. Swerdloff

HDS 701 Oral and Maxillofacial Surgery Seminar

A case based course where students evaluate surgical patients with complex medical conditions, develop diagnoses, treatment plans, and present their findings to faculty and classmates in a small group setting.

Prerequisites: HDS 601

10 course hours, Dr. Kucine

HDS 702 Medicine for Dental Students

Introduces clinical medicine and its relationship to dentistry. Covers the physical signs, symptoms and laboratory values of the various organ systems in health and disease, and the application of this knowledge to patients in ambulatory care and hospital settings and emphasizes oral manifestations and dental treatment modifications required by the medically compromised patient. This course also includes hospital and outpatient rotations in the operating room, emergency room, and various clinics including dermatology, radiology, ophthalmology, family medicine, internal medicine, cardiology, neurology, psychiatry, and general surgery.

Prerequisites: HDS 601

92 course hours, Dr. Swerdloff

HDS 703 Medical Emergencies II

A continuation of HDS 603.

Prerequisite: HDS 603

3 course hours, Dr. Kucine

HDS 721 Year III Oral and Maxillofacial Surgery Clinic

An extension of HDS 621. Students gain additional clinical experience in basic exodontia and minor oral surgery, including multiple extractions, alveoloplasty, and advanced suturing techniques. Students

assist in more complex surgeries including surgical extractions, removal of impacted wisdom teeth, and incision and drainage of odontogenic infections in the healthy and medically compromised patient.

Prerequisites: HDS 621

24 course hours, Dr. Swerdloff

HDS 803 Medical Emergencies III

A continuation of HDS 703.

Prerequisite: HDS 703

3 course hours, Dr. Kucine

HDS 821 Year IV Oral Surgery Clinic (SDM)

An extension of HDS 721. This clinical course focuses on the student's clinical experience in the diagnosis and treatment of more complex problems of the oral and maxillofacial region. Covers surgical odontectomies and the surgical and adjunctive treatment of diseases of the salivary glands, paranasal sinuses and infections of the regions of the head and neck, and the application of this knowledge to the patient. Emphasizes need for interdisciplinary consultation.

Prerequisites: HDS 601, HDS 702, HDS 621, HDS 721

24 course hours, Dr. Swerdloff

HDS 822 Year IV Oral Surgery Clinic (Hospital Rotation)

Students are exposed to the full scope of oral and maxillofacial surgery in the hospital setting.

Prerequisites: HDS 601, HDS 702, HDS 621, HDS 721

25 course hours, Dr. Kucine

Selective Courses (See HDI 821)

Oral and Maxillofacial Surgery

Familiarization with cases commonly seen by an oral surgeon, including trauma, pathology, dentoalveolar surgery, mucoperiosteal flaps, biopsy, prosthetic and orthognathic surgery; participation in conferences, clinical surgical procedures and discussions with staff.

Department of Oral Biology and Pathology

Chair: Israel Kleinberg

Professors Emeritus: Hershall W. Kaufman, Thomas F. McNamara, Leo Sreebny

Distinguished Professors: Lorne M. Golub, Israel Kleinberg

Professors: Jerry Pollock, Barry R. Rifkin, Marcia Simon, Lorne B. Taichman, Mark S. Wolff

Research Professor: Nungavarm S. Ramamurthy

Associate Professors: David Baker, John E. Fantasia, Jonathan A. Garlick, Maria E. Ryan

Assistant Professor: Stephen Walker

Adjunct Professors: Robert A. Greenwald, Michael K. Leung, Bettie M. Steinberg

Clinical Associate Professors: Barry Cooper, Arthur Goren, Alvin W. Heller

Adjunct Associate Professor: Timo Sorsa

Adjunct Assistant Professor: Soosan Ghazizadeh

Clinical Assistant Professors: Joseph Dene, Kalman B. Friedman, Robert D. Kelsch, Robert D. Kelson, Irving Kittay, Denise A. Trochesset, George Westbay

The Department of Oral Biology and Pathology offers approximately 400 hours of didactic instruction to the dental student relevant to the understanding of biological and molecular processes involved in oral disease. During the first three years of the pre-doctoral program, the subject matter deals with the biology of embryological development of the face and oral cavity, oral mineralized tissues, dental supporting tissues, oral microbiota, salivary glands and their products, oral and other mucous membranes, and the various sensory and oral motor systems of the mouth. The sequencing of the units is designed to obtain maximum integration between concurrently offered basic science and clinical courses.

The department has developed a unique course in oral diagnostics in the third and fourth years of the dental program which offers basic and practical experience in clinical laboratory methods and familiarizes students with those investigative clinical procedures used in the diagnosis and monitoring of the effectiveness of treatment of a patient.

The department is located in the School of Dental Medicine and is responsible for instruction to dental students in the body of basic biological and molecular processes involved in oral disease. In this regard, the department acts as a bridge between the traditional basic sciences and the clinical sciences related to oral health. The department has made a major commitment to the development of new diagnostic technology and approaches for use in the preservation of the oral tissue and management of oral disease. It is one of the leading departments in the university in technology development and transfer to clinical practice.

Long Island Jewish Medical Center provides a resource for teaching the oral pathology and oral medicine segments of the department's programs in the latter two years of the curriculum. Where possible, the didactic subject matter is coupled with actual patient examination and clinicopathological conferences. Emphasis is placed on the interrelationships of pathology, clinical behavior, prognosis, therapeutic modality and the biologic nature of the disease entity.

The department also offers graduate studies leading to the MS and PhD degrees, which are granted through the State University of New York at Stony Brook Graduate School. The main function of this program is to train oral biology educators and researchers to staff dental and medical schools, dental research institutes, dental and medical industrial laboratories, and to provide relevant basic science training for dentists and physicians taking post-doctoral specialty training. The course work consists of an in-depth exposure to knowledge, directly and indirectly related to oral biology and its related sciences and is coupled with appropriate individual research, tutorial and thesis programs.

The Living Skin Bank is a mammalian cell culture facility located in the department which specializes in understanding the growth and metabolism of keratinocytes and other epithelial cell entities. It provides life saving therapies in the form of cultured epithelial autografts as permanent wound coverage and cultured epithelial allografts as biologic dressings. The skin facility contributes significantly to the clinical, research and educational activities of the department and to other units of the university. Its director is Dr. Marcia Simon.

Courses

HDO 501 Oral Biology I

Deals with the molecular structure, biochemistry, and physiology and developmental anatomy of the systems constituting the oral apparatus. Covers the embryological development of the face and oral cavity, the biology of the oral mucous membranes, and the biology of the dental

mineralized tissues.

31 course hours, Dr. Kleinberg and faculty

HDO 601 Oral Biology II

A continuation of HDO 501 covering the biology of the dental supporting tissues, the biology of the salivary glands and their products, the microbiology of the oral cavity.

Prerequisites: HDO 501, HBM 531 or permission of the department

85 course hours, Dr. Kleinberg and faculty

HDO 701 Oral Biology III

A continuation of HDO 601, covering the oral motor and sensory systems.

Prerequisites: HDO 601

26 course hours, Dr. Kleinberg and faculty

HDO 702 Oral Pathology

Covers the clinical and histopathologic manifestations of acquired, inherited and neoplastic diseases of the human oral cavity. Includes benign and malignant tumors of bone, odontogenic and non-odontogenic cysts and tumors, mucosal and salivary gland diseases, and oral manifestations of systemic diseases.

Prerequisites: HDO 601, HDO 501

74 course hours, Dr. Trochesset

HDO 703 Oral Pathology Conference I

Clinicopathologic case presentations and development of differential diagnosis skills.

Prerequisite: HDO 501

Corequisite: HDO 702

18 course hours, Dr. Trochesset

HDO 704 Oral Diagnostics

Covers the biochemical, physiological, microbiological and electronic principles involved in a variety of techniques used as aids in the diagnosis of oral diseases.

Prerequisite: HDO 601

41 course hours, Dr. Pollock and faculty

HDO 705 Oral Medicine

Introduces the principles of patient care related to stomatologic and dermatologic disease, neurologic abnormalities, hematologic disturbances and the medically compromised patient.

Prerequisites: HDO 501, HDO 601

16 course hours, Dr. Trochesset

HDO 706 Oral Facial Genetics

Focuses on the utilization, preparation and analysis of basic human genetics in clinical situations. Covers genetic disorders of the craniofacial complex and dentistry for the multiple handicapped patient.

Prerequisite: HD 501 or permission of instructor

25 course hours, Dr. Taichman

HDO 707 Clinical Pharmacology

Covers pharmacology in dental practice emphasizing clinical usage of antibiotics, sedatives, tranquilizers and analgesics. Drug interactions and side effects are discussed.

Prerequisite: HD 608

17 course hours, Dr. Golub and faculty

HDO 803 Oral Pathology Conference II

A continuation of HDO 702.

Prerequisites: HDO 702

11 course hours, Dr. Trochesset

HDO 821 Year IV Clinic: Oral Diagnostics

The clinical continuation of HDO 704 in which the principals of oral diagnostics are applied to patient care.

Prerequisites: HDO 704

36 course hours, Dr. Ryan and faculty

Selective Courses (See HDI 805)

Research in Oral Biology and Pathology

Participation in a research project under faculty supervision; research paper required.
School of Dental Medicine
Dr. Kleinberg and faculty

School of Dental Medicine

Graduate Studies (MS and PhD Programs)

Director: Jerry Pollock

Courses

HDO 500 Biology of the Oral Mineralized Tissues

This course deals with the basic chemistry, crystallography, ultrastructure and metabolism of the calcium phosphates involved in the formation and physiological and pathological resorption of the various mineralized tissues found in or associated with the oral cavity (enamel, dentin, cementum, bone). Ectopic calculus formation is examined.

*Prerequisites*HDO 560, 561, 562, and 563 or their equivalent; permission of instructor
3 credits, fall and spring terms, Drs. Wolff, Kaufman, and Kleinberg

HDO 510 Salivary Metabolism and Secretion

Consideration is given to the normal and abnormal structure and function of the glandular systems found in the oral cavity. The composition, regulation, and functions of the secretions from the major and minor salivary glands receive particular attention.

*Prerequisites*HDO 560, 561, 562, and 563 or their equivalent; permission of instructor
3 credits, fall and spring terms, Drs. Pollock, Wolff, Kleinberg, and Sreebny

HDO 520 Oral Microbial Systems

Consideration is given to the structural composition, metabolism, and environmental relationships of the bacterial systems formed on and in association with the oral hard and soft tissues. Specific and mixed bacterial populations such as those residents on extra-oral mucosal surfaces and the skin and their role in oral disease will be dealt with.

Prerequisites: HDO 560, 561, 562, and 563 or their equivalent; permission of instructor
3 credits, fall and spring terms, Drs. Walker and Kleinberg

HDO 530 Molecular Biology and Pathology of the Periodontium

This course deals with the ultrastructure and biochemical composition of the periodontal tissues, remodeling of the extracellular matrix with an emphasis on the role of metalloproteinases, the microbial interrelations with the organic and inorganic components of the periodontal tissues, the biochemical dynamics of gingival inflammation and wound healing, and the metabolic processes responsible for the composition and flow of gingival crevic fluid.

*Prerequisites*HDO 560, 561, 562, and 563 or their equivalent; permission of instructor
3 credits, fall and spring terms, Drs. Golub, Garant, and Ryan.

HDO 535 Epithelial Keratinization and Differentiation

The course examines the growth and differentiation of stratified squamous epithelia. Particular emphasis is placed on molecular events involved in the differentiation program. Consideration is also given to mechanisms involved in cutaneous disorders.

Prerequisites: Permission of instructor required; HBP 531 suggested; students must have had a background in cellular biochemistry molecular biology
3 credits, fall or spring term, Drs. Taichman, and Simon

HDO 545 Sugar and Man

This course examines the societal and biologic factors that influence the role played by sugar in the development of human disease. Topics include the chemistry and metabolism of sugar, the sweet taste, the place of carbohydrates in the diet, and sucrose substitutes. Special emphasis is given to the role of sugars in oral disease.

*Prerequisites*HDO 560, 561, 562, and 563 or their equivalent; permission of instructor
3 credits each semester, fall and spring terms, Dr. Sreebny

HDO 550 Oral Diagnostics and Therapeutic Technology Lectures and Laboratory Techniques

Recent advances in the use and development of research technology for the early diagnosis and treatment monitoring of oral and systemic disease. Special attention is paid to the principals of technology transfer including patents and patenting; searching of on-line databases is a key component. The course includes relationships of dry mouth to salivary physiology, diabetes, and drug medications; salivary film measurements, wetting of oral surfaces, visco-elasticity and lubricity; the use of the Periotron and enzyme essays for the diagnosis of gingivitis and periodontal disease; instrumentation used in sensitive teeth measurement and evaluation of treatment effectiveness using oral compositions and iontophoresis; oral candidiasis and denture stomatitis and early detection and causes of dental caries; and oral malodor measurements including use of the Halimeter and its use in formulation of oral compositions. Application to clinical practice and clinical studies is covered.

*Prerequisites*HDO 560, 561, 562, and 563 or their equivalent; permission of instructor
4 credits, fall and spring terms, Dr. Wolff and faculty

HDO 560 Oral Biology and Pathology I

The first of four comprehensive courses on molecular structure, biochemical and physiological function, developmental anatomy and pathology of the various systems that constitute the oral apparatus. Covers the embryological development of the face and oral cavity and the biology and pathology of the oral mineralized tissues.

Prerequisites: undergraduate degree in basic science; permission of instructor.
3 credits each, fall and spring terms, Dr. Kleinberg and faculty

HDO 561 Oral Biology and Pathology II

The second of four comprehensive courses on molecular structure, biochemical and physiological function, developmental anatomy and pathology of the various systems that constitute the oral apparatus. Covers the biology and pathology of the periodontal structures and the microbiology of the oral cavity.

Prerequisites: undergraduate degree in basic science; permission of instructor.
3 credits each, fall and spring terms, Dr. Kleinberg and faculty

HDO 562 Oral Biology and Pathology III

This course is the third of four comprehensive courses on molecular structure, biochemical and physiological function, developmental anatomy and pathology of the various systems that constitute the oral apparatus. Covers the biology and pathology of the salivary glands and their products and the biology and pathology of the oral mucous membranes.

Prerequisites: undergraduate degree in basic science; permission of instructor.
3 credits each, fall and spring terms, Dr. Kleinberg and faculty

HDO 563 Oral Biology and Pathology IV

This course is the last of four comprehensive courses on molecular structure, biochemical and physiological function, developmental anatomy and pathology of the various systems that constitute the oral apparatus. Covers the biology and pathology of the oral sensory systems and the biology and pathology of oral motor systems.

Prerequisites: undergraduate degree in basic science; permission of instructor.
3 credits each, fall and spring terms, Dr. Kleinberg and faculty

HDO 590 Research Projects in Oral Biology and Pathology

Individual laboratory projects closely supervised by faculty members to be carried out in their research laboratories.

Prerequisite enrollment in a master's or doctoral program.
3 credits each, fall and spring terms, Dr. Taichman

HDO 599 Graduate Research

Original investigations undertaken with supervision of a faculty member.

Prerequisite: permission of instructor.
1-12 credits each, fall and spring terms, variable, faculty

HDO 690 Oral Biology and Pathology Seminars
Research seminars by students, staff and visiting scientists.
Prerequisite: permission of instructor.
1 credit each, fall and spring terms, Dr. Taichman

HDO 694 Dissertation Research in Oral Biology and Pathology
Original investigation undertaken with supervision of a member of the staff.
Prerequisite: permission of thesis advisor.
1-12 credits each, fall and spring terms, variable, faculty

HDO 695 Oral Biology and Pathology Teaching Practicum
Practice instruction in the teaching of oral biology and pathology at the undergraduate level carried out under faculty orientation and supervision.
Prerequisite: permission of instructor.
1-4 credits each, fall and spring terms, variable, faculty

Courses listed under the post-doctoral programs in orthodontics and periodontics may be taken as electives in the oral biology graduate degree programs with the written permission of the program and course directors.

Department of Periodontics

Chair: Vincent J. Iacono

Professors: Paul N. Baer, Philius R. Garant, Vincent J. Iacono

Associate Professor: Christopher W. Cutler

Clinical Professor: Charles L. Berman

Clinical Associate Professor: Gary D. Kitzis

Visiting Associate Professor: Ludovico Sbordone

Clinical Assistant Professors: Wayne A. Aldredge, Steven H. Bear, Edward C. Brant, Alexander J. Corsair, Joseph M. Cristoforo, Gregory A. Davis, John Diana, Allan H. Farber, Alan S. Gorman, William Greene, Mark N. Hochman, Anthony Ienna, Jennifer Kraus, Ronald Lehane, Biagio Lepre, Tina F. Maceli, Vasilios Mesimeris, Marvin A. Price, Daniel Reich, Stacy Reisfeld-Piscotta, Jeffrey Rosario, Richard S. Truhlar, Steven R. Ury, Cory A. Wanatick, Joseph Yu, Steven M. Zove, Oleg Zusin

Research Assistant Professor: Ravi Jotwani

The program introduces the field of periodontology. Through a series of lectures, seminars, demonstrations and clinical assignments, the program presents basic knowledge and skills that are essential to the prevention and treatment of periodontal disease. Upon completion of this program, the student is capable of differentiating a healthy from a diseased periodontium. A thorough knowledge of all local etiologic factors responsible for periodontal disease and methods of preventing its onset is stressed. Utilizing this knowledge and experience, students become capable of establishing a correct diagnosis and treating those patients affected with early clinical manifestations of periodontal disease.

The program introduces the field of periodontology. Through a series of lectures, seminars, demonstrations and clinical assignments, the program presents basic knowledge and skills that are essential to the prevention and treatment of periodontal disease. Upon completion of this program, the student is capable of differentiating a healthy from a diseased

periodontium. A thorough knowledge of all local etiologic factors responsible for periodontal disease and methods of preventing its onset is stressed. Utilizing this knowledge and experience, students become capable of establishing a correct diagnosis and treating those patients affected with early clinical manifestations of periodontal disease.

Courses

HDP 501 Introduction to Periodontics
Covers the clinical and microscopic anatomy and physiology of the periodontium in health and disease, the factors responsible for the various periodontal diseases and the application of this knowledge to the patient. Emphasizes prevention of periodontal disease.

HDP 601 Diagnosis and Treatment of Periodontal Diseases I
Lectures and seminars covering diagnosis, treatment planning, prognosis, therapy, and the overall management of the patient with periodontal disease.
Prerequisite: HDP501
46 course hours, Dr. Zove and faculty

HDP 701 Diagnosis and Treatment of Periodontal Disease II
Covers specific clinical conditions associated with periodontal diseases, diagnosis, prognosis and therapy.
Prerequisite: HDP601
17 course hours, Dr. Zove and faculty

HDP 702 Periodontal Clinical Seminar
Concepts of periodontal diagnosis and treatment in a seminar format with emphasis on newly emerging technologies and techniques. Students present reports and evaluations of world workshop proceedings.
8 course hours, Dr. Zove and faculty

HDP 721 Year III Periodontics Clinic
Emphasizes the application of knowledge in the treatment of patients with advanced disease.
111 course hours, Dr. Zove and faculty

HDP 821 Year IV Clinic: Periodontics I
A component of the General Practice Program Clinic, HDG 821.
60 course hours, Dr. Iacono and faculty

HDP 822 Year IV Clinic: Periodontics II
A component of the General Practice Program Clinic, HDG 822.
60 course hours, Dr. Iacono and faculty

Graduate and Specialty Programs

Applications

Recognizing the need for advanced training in the various dental specialties for graduate dentists, the School of Dental Medicine provides advanced educational programs in orthodontics, periodontics, endodontics, general dentistry, and dental care for the developmentally disabled. Applications to graduate and specialty training programs may be obtained from:

Office of Academic Affairs, Admissions and Financial Aid
Stony Brook University
School of Dental Medicine
Stony Brook, NY 11794-8709
Telephone: 631-632-8871

Advanced Education Program in Orthodontics

Program Director: Stanley A. Alexander

The post-doctoral program in orthodontics is a 36-month, full-time program designed to meet the eligibility requirements of both the American Dental Association for specialization in orthodontics and the certifying examination given by the American Board of Orthodontics. Applicants to the program must have a DDS or DMD degree, or foreign equivalent that is acceptable for New York State Licensure. Beginning on July 1 of each year, training will take place primarily in the School of Dental Medicine and its clinical facility (the Dental Care Center), at the University Hospital, and at other teaching hospitals affiliated with the Dental School and Health Sciences Center, such as the Dental Department of the Long Island Jewish Medical Center. Instruction is provided through lectures, seminars, case presentation, conferences and clinical practice.

Emphasis is on diagnostic procedures and treatment planning and the application of clinical methods, best designed to meet the treatment objectives for the individual patient.

To receive a certificate in post-doctoral orthodontics, the student must:

- satisfactorily complete all courses;
- submit 25 completed case analyses;
- submit two completed case write-ups as per standards of the American Board of Orthodontics;
- pass an oral examination modeled after the certifying exam of the American Board of Orthodontics; and
- sit for parts I and II of the American Board of Orthodontics written examination.
- present and defend a research project at the end of third year

Year I Program Requirements

Basic Science Core
Orthodontic Technique (Pre-clinical Orthodontics)
Cephalometrics and Radiology
Growth and Development
Orthodontic Theory and Practice
Head and Neck Anatomy
Diagnosis, Treatment Planning & Interdisciplinary Care I
Clinical Orthodontics I
Surgical Orthodontics and Craniofacial Deformities I
Temporomandibular Joint Dysfunction and Occlusion
Literature Review I
Journal Club
Research Project
Evolution of the Craniofacial-dental mechanism
Supervised Clinical Teaching
Expert Seminar Series

Year II Program Requirements

Orthodontic Theory and Practice II
Diagnosis, Treatment Planning and Interdisciplinary Care II
Surgical Orthodontics II
Literature Review II
Supervised Clinical Teaching
Research Project
Journal Club
Clinical Orthodontics II
Conferences in Clinical Orthodontics
Expert Seminar Series

Year III Program Requirements

Clinical Orthodontics III
Literature Review III
Teaching Practicum
Research Project
Diagnosis, Treatment Planning and Interdisciplinary Care III
Supervised Clinical Teaching
Conferences in Clinical Orthodontics
Expert Seminar Series

Advanced Education Program in Periodontics

Program Director: Vincent J. Iacono

The advanced education program in periodontics is a three-year, full-time program designed to meet the eligibility requirements of both the American Dental Association for specialization in periodontics and the certifying examination given by the American Board of Periodontology. Applicants to the program must have a DDS or DMD degree, or foreign equivalent. Beginning in July of each year, training takes place primarily in the School of Dental Medicine and its clinical facility (the Dental Care Center), at University Hospital, and at other teaching hospitals affiliated with the dental school and Health Sciences Center such as the dental department of the Long Island Jewish Medical Center and the Veterans Affairs Medical Center at Northport. Instruction will be provided through lectures, seminars, case presentation, conferences and clinical practice. Special attention will be given to the treatment of medically compromised, disabled, and geriatric patients, and to the use of dental implants with special emphasis on their relationship to periodontics.

To receive a certificate in the advanced educational program in periodontics, the student must:

- satisfactorily complete all of the following courses;
- submit 20 completed case reports; and
- pass an oral comprehensive examination modeled after the certifying exam of the American Board of Periodontology

Year I Program Requirements

Introduction to Postgraduate Periodontics
Seminars in Geriatric Dentistry
Physiologic Diagnosis and Emergencies
Basic Science Core Program
Oral Pathology and Medicine
Periodontal Clinic I
Conferences in Clinical Periodontics I
Current Periodontal Literature Review
Literature Review (Biology and Pathology of the Periodontium/Clinical Periodontology)
Surgical Seminars I
Implantology
Treatment Planning in Implant Dentistry
Current Implantology Literature Review
Anesthesiology
Emergency Medicine
Minor Tooth Movement

Year II Program Requirements

Current Periodontal Literature Review
Current Implantology Literature Review
Literature Review (Biology and Pathology of the Periodontium/Clinical Periodontology)
Treatment Planning in Implant Dentistry
Conferences in Clinical Periodontics II

Surgical Seminars II
 Periodontal Clinic II
 Prosthetics Literature Review
 Periodontics for the Medically Compromised Patient I
 The Developmentally Disabled Patient I
 Conscious Sedation
 Restorative Aspects of Implant Dentistry

Year III Program Requirements

Current Periodontal Literature Review
 Current Implantology Literature Review
 Treatment Planning in Implant Dentistry
 Conferences in Clinical Periodontics III
 Surgical Seminars III
 Periodontal Clinic III
 Periodontics for the Medically Compromised Patient II
 The Developmentally Disabled Patient II
 Practice Management
 Graduate Course in Occlusion
 Graduate Course in Temporo-mandibular Disorders

Advanced Education Program in Endodontics

Program director: Seymour Friedman

The post-doctoral program in endodontics is a 24-month, full-time program designed to meet the eligibility requirements of both the American Dental Association for specialization in endodontics and the certifying examination given by the American Board of Endodontics. Applicants to the program must have a DDS or DMD degree, or foreign equivalent. Beginning in July of each year, training takes place primarily in the School of Dental Medicine and its clinical facility (The Dental Care Center). Each resident utilizes an operatory designed for endodontic practice which includes x-ray machines, digital imaging equipment and operating microscopes.

Emphasis is placed on diagnosis, in conjunction with the other disciplines, and treatment of all patients requiring endodontic therapy, using a varied aggregate of treatment modalities. Instruction will be provided through lectures, seminars, case presentation, conferences and clinical practice.

To receive a certificate in the advanced educational program in endodontics, the student must:

- satisfactorily complete all courses listed below;
- submit 25 completed case write-ups;
- complete 1 research project; and
- pass an oral examination modeled after the certifying exam of the American Board of Endodontics.

Year I Program Requirements

Endodontic Clinic
 Head and Neck Anatomy
 Oral Pathology
 Biochemistry & Physiology
 Pharmacology
 Microbiology/Immunology
 Radiology
 Literature Review
 Research Project
 Teaching Training
 Endodontic Seminars
 Year II Program Requirements
 Endodontic Clinic
 Literature Review

Teaching Training
 Research Project
 Endodontic Seminars
 Inhalation/Oral Sedation
 Biostatistics & Research Methodology
Year I and II Program Requirements

Pain Physiology
 Microanatomy
 Surgical Endodontics
 Medical Emergencies
 Medically Compromised
 Mechanism of Dental Pain
 Scientific Writing

General Practice Residency

Program Director: Mary Truhlar

Clinical Director: Sylvia Rice

The Stony Brook University's General Practice Residency Program was established at the University Hospital in 1980. The GPR Program has 14 fully accredited one- and two-year positions commencing approximately July 1 of each year. In addition to training in all areas of hospital dentistry, the residents receive an advanced program of didactic and clinical training in implant, fixed, and removable prosthodontics with the support of dedicated laboratory technicians; instruction in the management of medically compromised geriatric patients, phobic patients, and individuals with developmental disabilities; and didactic and clinical experience in the implementation of IV sedation techniques. The majority of time is spent providing patient care in a state of the art dedicated ADEC operatories staffed by dental assistants and clerks simulating a small multi-individual group dental practice.

The Goals of the GPR Program

The General Practice Residency Program is an educational program designed to provide clinical, didactic, and hospital experience at the post-doctoral level. The program prepares residents to:

- a. manage total oral health care by providing instructions and experiences in the delivery of care to a wide range of ambulatory and hospitalized patients
- b. understand the relationship between oral and systemic diseases, to develop professionals, and to pursue areas of interest under close supervision of attending staff
- c. refine and advance knowledge and clinical skills in the practice of dentistry and the management and treatment of complex restorative problems
- d. demonstrate the application of the basic sciences to the clinical practice of dentistry
- e. understand the process of self-assessment and peer review.

The educational program consists of both clinical and didactic aspects. The clinical training is designed to provide advanced experience in preventive dentistry, restorative dentistry, periodontics, endodontics, and oral-and-maxillofacial surgery. Residents treat patients with increasingly complex dental and medical problems, such as patients with implant restorations, lost vertical dimension of occlusion, as well as systemic or psychiatric disorders, the developmentally disabled, geriatric, and pediatric patients. Residents are provided with supervised training and experience in patient evaluation, planning and treatment. The program is designed to ensure that the residents will be capable of anticipating, diagnosing and treating emergencies. They develop the skills and knowledge to

diagnose and treat acute infections and pain of the oral region, hemorrhage of the oral cavity and traumatic injuries to the dental and maxillofacial tissues. The seminar program contains a didactic component for each clinical discipline.

Service rotations to emergency medicine and anesthesiology take place at affiliated institutions and are designed to allow for continuity of patient care.

For information about these graduate programs (i.e., stipends, tuition, other expenses, etc.) and admission and application, write to:

Office of Academic Affairs, Admissions and Financial Aid
School of Dental Medicine
Stony Brook University
Stony Brook, New York 11794-8709

Dental Care for the Developmentally Disabled

Program Director: Fred Ferguson

Clinical Coordinator: Debra A. Cinotti

The School of Dental Medicine offers a post-doctoral fellowship program to train dental fellows in the management and provision of dental care for the developmentally disabled.

This program, commencing each July 1, supports two full-time fellows. The program includes seminars, lectures and extensive clinical experiences at the School of Dental Medicine and the University Hospital, with emphasis on various patient management techniques needed to provide comprehensive dental care to the disabled population. There is direct patient care involvement with dental rehabilitation and surgical cases completed under general anesthesia in the operating room at the Medical Center. Independent study resulting in publication and/or case presentation is required.

Staff includes a program director, clinic coordinator, appointment coordinator, two dental assistants, and attending faculty.

Lectures/Seminars include the following topics:

Pediatric Dentistry Lecture Series
Seminars on Developmental Disabilities
Geriatric Dentistry
Dental Phobia
Medical Emergencies
Patient Care

For information about these graduate programs (i.e., stipends, tuition, other expenses, etc.) and admission and application, write to:

Office of Academic Affairs, Admissions and Financial Aid
School of Dental Medicine
Stony Brook University
Stony Brook, New York 11794-8709

Dental Student Activities/Organizations

American Student Dental Association

Chartered in November of 1996, the Stony Brook chapter of the American Student Dental Association (ASDA) addresses the needs and interests of its members and the public that they will serve. Eligibility for membership requires that the individual be an undergraduate of a dental school accredited by the American Dental Association. Membership provides subscriptions to the Journal of the American Dental Association, ADA News, and the New Dentist, the official magazine of ASDA. In addition, ASDA provides its members with opportunities in research, travel, practice abroad,

insurance, licensure and national board exams, and financial assistance.

The following are affiliates of the student chapter. The national, state and local levels of organized dentistry work together to help students understand the importance of organized dentistry. All organizations encourage student participation in general membership meetings and special projects if time permits with their schedule.

American Dental Association
New York State Dental Association
Nassau County Dental Society
Suffolk County Dental Society

Dental Student Organization (DSO)

The DSO is the official student governing student body. Each class elects a class president. The DSO is responsible for setting and appropriating the student activity fee.

Dental Student Research Society (AADR Chapter)

Research opportunities occupy a prominent place among the priorities and accomplishments of the Dental School's students, residents and faculty, many of whom are preeminent in their fields.

All students conducting research at the school are encouraged to participate in the dental research day. In addition, a Dental Student Research Fund established at the school allows the students opportunities to attend and present their research at various regional, national and international conferences. Past conferences include the International Association of Dental Research, American Association of Dental Research, American Dental Association and The Hinman Symposium.

Fraternities

Two dental fraternities, Alpha Omega and Xi Psi Phi, are actively involved in student life, providing social events and sponsorship of lectures on topics of interest to dental students.

Honors and Awards

Graduation Honors

Students who have earned the highest academic averages are eligible to graduate "with honors" or "with high honors."

Omicron Kappa Upsilon (OKU)

The national honor society for dentistry, OKU, was established to encourage excellence. Active members of the local Sigma Tau Chapter select up to four members from the top twenty percent of the graduating class who have demonstrated academic excellence and high ethical standards. OKU annually presents freshman and sophomore awards to students who have achieved the highest overall academic averages.

The School of Dental Medicine conducts an annual awards ceremony to present the following awards:

Academy of General Dentistry Award

Academy of Operative Dentistry Award

Alpha Omega Award

American Academy of Esthetic Dentistry Award

American Academy of Oral & Maxillofacial Pathology Award

American Academy of Oral and Maxillofacial Radiology Award

American Academy of Oral Medicine Award
American Association of Oral and Maxillofacial Surgeons Award
American Academy of Orofacial Pain Award
American Academy of Periodontology Award
American Association of Endodontists Award
American Association of Oral Biologists Award
American Association of Orthodontists Award
American College of Dentists Outstanding Student Award
American College of Prosthodontics Achievement Award
American Dental Society of Anesthesiology Award
American Academy of Pediatric Dentistry Predoctoral Student Award
American Student Dental Association Award of Excellence
Blasco C. Gomes Award
Dental Care for the Developmentally Disabled Award
Dental Student Organization Award
Dentsply International Removable Prosthodontics Award
Dr. A. John Gwinnett Dental Student Memorial Award
Eleanor Bushee Senior Dental Student Award
International College of Dentists Award
International Congress of Oral Implantologists Award
Long Island Academy of Odontology Award
Nancy Wender National Dental Board High Achievement Award
New York State Dental Association Award
New York State Society of Oral and Maxillofacial Surgeons Award
Northeastern Society of Periodontists Award
Organization of Teachers of Oral Diagnosis Award
Omicron Kappa Upsilon Freshmen Award
Pierre Fauchard Academy Dental Student Scholarship Award
Quintessence Award for Clinical Achievement in General Dentistry
Quintessence Award for Clinical Achievement in Periodontics
Quintessence Award for Research Achievement
Suffolk County Dental Society Award (3rd and 4th years)
The Charles and Maria Ryan Scholarship in Oral Biology and Pathology
The Richard J. Oringer Award

The James Horn Award
The John Oppie McCall Award
The Leon Eisenbud Oral Pathology Award
Ultradent Esthetic Dentistry Award
Waterpik Hanau Prosthodontic Award
William S. Kramer Award of Excellence