



# 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 scientific knowledge, and service to the profession and community including the provision of 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 of Stony Brook University. The school is composed of a number of academic 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 to 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, pediatric dentistry, periodontics, and dental care for the developmentally disabled are housed in the School of Dental Medicine. A general practice dental residency and a dental anesthesiology residency is offered through Stony Brook University Medical Center. 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, and Long Island Jewish Medical Center.

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.

## D.D.S. Program

We maintain a small class size that enables the School of Dental Medicine to provide a supportive, nurturing environment that help guide our students' professional growth and promote 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 and the ability to critically evaluate and selectively integrate new findings in their professional practice 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 taken 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 that helps them to better understand the social and community context within which dentists function. They learn to establish rapport with their patients and to establish a partnership that helps to assure the best possible clinical outcomes are achieved. Most 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 supervised clinic experience 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 and behavioral sciences skills 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) 632-8871, or write:

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

[www.hsc.stonybrook.edu/dental/index.cfm](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. These factors as well as performance on the DAT, letters of recommendation and the personal interview are considered in the admissions process. Consistent with the school policy of selecting students with varied backgrounds, the school encourages applications from qualified individuals from those groups who have been previously underrepresented in the dental profession. Due to the small class size, students 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 three 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 each of the following introductory courses with laboratory:
  - General Biology
  - Inorganic (General) Chemistry
  - Organic Chemistry
  - General Physics

- One year of:

- Mathematics (one semester must be Calculus I level or above)
- Statistics can be substituted for one semester of Calculus

A GPA of 3.0 or greater is preferred. The Dental Aptitude Test (DAT) is mandatory with scores 15 or greater preferred.

## Suggested Additional Preparation

Success in dental school is highly correlated with a student's competence in science. Applicants should gain familiarity with the fundamentals of the natural and social sciences that are relevant to the delivery of health care. Virtually all candidates accepted into dental school possess a baccalaureate degree in the arts and sciences. Although preference for admission is not based on a particular field of academic concentration, all candidates are required to demonstrate competence in biology, inorganic and organic chemistry, physics, and mathematics. It is strongly suggested that applicants also take courses in upper level science courses such as biochemistry and physiology as well as the social sciences, and English composition.

## Application Procedure

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

American Dental Education Association (ADEA)  
1400 K Street NW, Suite 100  
Washington, D.C. 20001  
(800) 353-2237  
E-mail: [csraadsas@adea.org](mailto:csraadsas@adea.org)  
Web: <https://aadsas.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 \$75 non-refundable application fee is required and should be submitted online, using a major credit card, after an AADSAS identification number is assigned. Applications cannot be considered until the fee is received. Applicant must use the link, [www.hsc.stonybrook.edu/dental/sdm\\_admissions.cfm](http://www.hsc.stonybrook.edu/dental/sdm_admissions.cfm) to submit the \$75 application fee. Applicants are asked to enter their full name, AADSAS ID, and billing name and credit card information directly onto PayPal. The school will acknowledge receipt of all applications from AADSAS and advise candidates directly of any additional information required. Applicants must have an AADSAS ID number in order to submit payment. Please be advised that your application will not be reviewed until the school receives your verified AADSAS application as well as all supporting documents.

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 senior faculty members of science departments may be substituted.

Interviews are an integral part of the admissions process. Applicants under serious consideration will be notified when an interview is granted.

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

#### Timetable Entering Class

	Earliest Date	Latest Date	School Fees
Application Submission	7/1	1/15	\$75
Acceptance Notification	12/1	8/26	\$350

#### Applicant Response Required to Hold Acceptance:

30 days if accepted between 12/1 and 12/31

20 days if accepted between 1/1 and 1/31

10 days if accepted on or after 2/1

Applicants accepted after 5/1 may be asked to respond within 7 days or sooner depending on proximity to the start of the academic year.

## Health Requirements and Student Health Services

Stony Brook's mandatory Infirmary health fee covers comprehensive health services for both medical and mental health problems at the Health Service Building on campus. The Student Health Services, located in the Infirmary Building, provides healthcare to all students and visiting scholars. Call (631) 632-6740 for further information. The University requires all full time students to have an adequate health insurance plan.

Stony Brook offers a health insurance plan for all full-time domestic students that meet this requirement, which currently costs Dental students \$2,776 for the 2007-08 academic year and is subject to change. This plan pays for most medically necessary bills, such as doctor visits, mental health counseling, prescriptions, emergency room, lab testing, diagnostic testing, surgery, hospitalization, etc. The plan covers our students anywhere in the world, every day, no matter whether on campus or on semester breaks.

All full time students at Stony Brook are automatically billed for the University Health Insurance plan at the beginning of each semester. Waivers are available to students who have their own established and current health insurance policy. Waivers for this insurance plan are given only if the student already has health insurance through:

- a job
- a parent
- a spouse
- some other related individual
- Medicaid or "Healthy New York"

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

The Health Sciences 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 from. This form can be downloaded from our web page [www.studentaffairs.stonybrook.edu/shs/forms](http://www.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 School of Dental Medicine 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, D.M.D., 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 Seymour Friedman Scholarship

Dr. Seymour Friedman Scholarship in Endodontics is a scholarship to support an Endodontic student attending the Stony Brook University School of Dental Medicine.

### 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 managed by Deborah Schade, Director of Student Services, located in Rockland Hall, Room 148; 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](http://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 and Scholarships

#### 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 Grant 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 complete an institutional Application for campus based Financial Aid, in addition to filing the Free Application for Federal Student Aid (FAFSA). Students must include parent income on the FAFSA to be considered for this award. Priority is given to students who provide documentation of previous undergraduate enrollment in a EOP, SEEK or HEOP 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 Department 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 \$7.15 to \$14.93 per hour. Application for Federal Work Study is made by completing the FAFSA.

### Student Employment

Students not eligible for FWS funds may 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. Award amounts range from \$750 to \$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 6.8% fixed. 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: D.D.S. Students - \$40,500; Post-Graduate Students - \$20,500. 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. Stony Brook University 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 semester before the loan checks are cleared for disbursements.

### Federal Grad Plus Loan

The Grad Plus loan is a new student loan created by the US Department of Education, effective July 1, 2006. This loan is available to student borrowers after exhausting the annual maximum on the Stafford loans. Students can borrow up to their budget. To be considered for the Grad Plus Loan, students must complete and submit the Free Application for Federal Student Aid (FAFSA) or the Renewal FAFSA. Eligibility requirements include that you must be enrolled in a full or half-time matriculated graduate or post graduate program; be a US citizen or eligible non-citizen, with a valid social security number; not be in default on any education loan or owe a refund on an education grant; and must pass a credit review. This interest rate is 8.5% fixed. Students must select a lender and complete a Master Promissory Note.

## Application for Financial Aid Programs

These instructions apply to students interested in the following programs:

- Tuition Assistance Program (TAP)
- Graduate Tuition Waiver Grant for Economically Disadvantaged Students
- Regents Healthcare Scholarships
- Federal Work Study (FWS)
- Health Professions Student Loan (HPSL)
- Federal Stafford Loan Subsidized and Unsubsidized
- Federal Grad Plus Loan

An additional application, Institutional Application For Campus-Based Financial Aid, is required for students wishing to be considered for the following programs:

- Health Professions Student Loan (HPSL)
- Graduate Tuition Waiver Grant for Economically Disadvantaged Students

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 \$40. Late payment fees are cumulative up to \$150 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 \$40. 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 semester. 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 D.D.S. 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	\$16,200	\$16,200	\$16,200	\$16,200
Non-Resident	\$32,500	\$32,500	\$32,500	\$32,500

### Other Expenses

	Year 1	Year 2	Year 3	Year 4
Fees	\$1,184	\$966	\$1,116	\$926
Equipment & Supplies	\$9,070	\$9,836	\$7,592	\$5,397
Books, CPU	\$4,396	\$1,326	\$826	\$2,125
Transportation	\$4,700	\$4,700	\$4,850	\$4,650
Rent/Utilities	\$8,250	\$8,250	\$8,250	\$7,500
Food/Clothing	\$4,600	\$4,600	\$4,600	\$4,250
Mandatory Health Insurance*	\$3,036	\$3,036	\$3,036	\$3,036
Personal/Misc	\$1,500	\$1,500	\$1,500	\$1,450



**Total Expenses**

	Year 1	Year 2	Year 3	Year 4
NYS Resident	\$49,900	\$47,378	\$44,934	\$42,498
Non-Resident	\$66,200	\$63,678	\$61,234	\$58,798

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.

**Postdoctoral Programs**

<i>Endodontics</i>	Year 1	Year 2
NYS Resident Tuition	\$6,912	\$6,912
Non-Resident Tuition	\$10,920	\$10,920
Program Fees	\$11,200	\$11,200
Supplies, Instruments and Mandatory Fees	\$7,649	\$ 6,149

<i>Orthodontics</i>	Year 1	Year 2	Year 3
NYS Resident Tuition	\$6,912	\$6,912	\$6,912
Non-Resident Tuition	\$10,920	\$10,920	\$10,920
Program Fees	\$11,200	\$11,200	\$11,200
Supplies, Instruments and Mandatory Fees	\$10,642	\$8,642	\$4,674

<i>Periodontics</i>	Year 1	Year 2	Year 3
NYS Resident Tuition	\$6,912	\$6,912	\$6,912
Non-Resident Tuition	\$10,920	\$10,920	\$10,920
Program Fees	\$11,200	\$11,200	\$11,200
Supplies, Instruments and Mandatory Fees	\$10,888	\$4,808	\$4,840

**Academic-Year Fees and Charges\*\*****Fees**

Required Student Health Insurance Plan: \$2,776 per year  
Mandatory International Student Insurance (including MEDEX): \$788 per year

All academic year fees and charges listed above are for 2007-08 academic year and are subject to change.

**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:

A-Superior, Excellent. Exceptional achievement; student performing at highest level of knowledge or skill expected at his/her level of development.

B-Good. Student performing above average level of knowledge or skill expected at his/her level of development.

C-Average. Student performing at level of knowledge or skill expected at his/her level of development; performance may

deviate somewhat both above and below the norm performance; but not sufficiently to warrant the next higher or lower grade.

F-Failure. Level of performance is unacceptable.

H-Honors. Corresponds to A level of performance.

S-Satisfactory. Covers B and C levels of performance.

U-Unsatisfactory. Corresponds to F grade.

I-Incomplete. Used when a student does not complete the required course work by the stated end of a course due to circumstances beyond their control (i.e. illness, death in family, other documented personal problems, etc.). (NOTE: not to be used for patient care courses).

R-Requirements Incomplete. Used only for patient care courses when students do not complete the minimal clinical accomplishments by the end of the academic year.

W-Withdrawal. Used if a student is given permission to withdraw from a course in progress prior to taking the final examination or completing the equivalent course requirements, with the expectation of taking it over again in the future. This grade will also be used for any uncompleted courses in the event that a student withdraws from the School of Dental Medicine prior to completion of these courses.

The requirements for promotion from year to year and for graduation are described in the Academic Regulations and Procedures of the School of Dental Medicine.

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 Academic Standing Committee 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 Academic Standing

\*Stony Brook University Mandatory Health Insurance Policy cost for Dental students is \$2,776 per year and students can request aid to cover this mandatory expense. If students have a comparable insurance, they can complete a waiver on-line via the SOLAR system to remove this cost.

\*\*Other fees may be required by programs. For detailed information on Payment and Deferral Process and Time Option Payment Plan please see the financial aid section beginning on page 45.

Committee. Decisions of the committee may be appealed to the Dean of Dental Medicine and the Vice President for Health Sciences.

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.

## D.D.S. 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
HHBC 531	Molecules, Genes and Cells	152
HBA 521	The Body/Gross Anatomy of the Head, Neck & Trunk	131
HBA 522	Embryology	12
HBN 531	Medical Neurosciences	88
HBV 531	Medical Physiology	128
HBP 531	General Pathology	104
HDI 531	Off-site Clerkship	
HDI 532	Community Outreach in Local and Distance Sites	
HDG 501	Health Care Systems I	39
HDG 521	Introduction to Clinical Dentistry	66
HDG 503	Radiology I	34
HDG 511	Dental Morphology/Occlusion	88
HDG 512	Operative Dentistry Technique I	120
HDO 501	Oral Biology I	31
HDP 501	Introduction to Periodontics	22

### Second-Year Program

Course #	Title	Hours
HBH 531	Principles of Medical Pharmacology	91
HBM 531	Medical Microbiology	86
HD 531	Nutrition	23
HDC 601	Children's Dentistry I	124
HDG 602	Dental Materials Science I	14
HDG 604	Behavioral Interactions	26
HDG 605	Removable Prosthodontics	54
HDG 611	Fixed Partial Prosthodontics Technique I	40
HDG 613	Removable Prosthodontics Technique	86
HDG 614	Operative Dentistry Technique II	17
HDG 615	Introduction to Endodontics	23.5
HDI 601	Evidenced Based Dentistry and Critical Thinking	16
HDI 631	Off-site Clerkship	
HDI 632	Community Outreach in Local and Distance Sites	
HDM 601	Professional Responsibility I	6
HDO 601	Oral Biology II	85
HDP 601	Diagnosis and Treatment of Periodontal Diseases I	45
HDS 601	Oral and Maxillofacial Surgery	55
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 Dentistry Clinic	45
HDG 621	Year II Operative Dentistry Clinic	157
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	Health Care Systems II	20
HDG 702	Dental Materials Science II	16
HDG 704	Practice Development I	14
HDG 705	Dental Auxiliary Utilization	8
HDG 706	Implantology	18
HDG 708	Advanced Esthetic Concepts	14
HDG 709	Oral and Maxillofacial Radiologic Interpretation	20
HDG 711	Endodontic Technique	38
HDI 701	Interdisciplinary Treatment Planning Seminar	14
HDI 731	Off-site Clerkship	
HDI 732	Community Outreach in Local and Distance Sites	
HDO 701	Oral Biology III	18
HDO 702	Oral Pathology	72
HDO 703	Oral Pathology Conference I	16
HDO 704	Translational Oral Biology	41
HDO 705	Oral Medicine	16
HDO 706	Oral Facial Genetics	23
HDO 707	Clinical Pharmacology	15

HDP 701	Diagnosis and Treatment of Periodontal Diseases II	17
HDP 702	Periodontal Clinical Seminar	8
HDS 701	Advanced Oral and Maxillofacial Surgery Treatment Planning	10
HDS 702	Physical Diagnosis: Introduction to Family Medicine	92
HDS 703	Medical Emergencies II	3
<b>Clinics</b>		
HDC 721	Year III Children's Dentistry Clinic	228
HDG 721	Year III Operative Dentistry 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 IV	36
HDG 804	Practice Development II	27
HDG 805	Care for Medically Compromised and Geriatric Patients	52
HDG 807	Advanced Removable Prosthodontics	14
HDI 801	Board Review Sessions	104
HDI 802	Diagnosis and Management of Oro-Facial Pain	24
HDI 803	Year IV Forensic Dentistry Elective	20
HDI 804	Year IV Esthetic Dentistry Elective	20
HDI 821	Year IV Selective Courses	120
HDI 831	Off-site Clerkship	
HDI 832	Community Outreach in Local and Distance Sites	
HDM 801	Professional Responsibility II	14
HDO 803	Oral Pathology Conference II	12
HDS 803	Medical Emergencies III	3
<b>Clinics</b>		
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
	Health Law
Dental Medicine	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/Gross Anatomy of the Head, Neck & Trunk**

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*

### **HBY 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. Fisher*

## Department of Children's Dentistry

*Chair:* Fred S. Ferguson (Acting)

*Distinguished Teaching Professor:* Fred S. Ferguson

*Distinguished Teaching Professor, Emeritus:* Stanley A. Alexander

*Professor Emeritus:* Gary S. Leske

*Distinguished Professor Emeritus:* Louis W. Ripa, Jr.

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

*Clinical Associate Professors:* Antonino Russo, Robert Schindel, Rhona S. Sherwin

*Assistant Professor:* Patricia Lewis

*Clinical Assistant Professors:* Nina K. Anderson, Zachary Faber, Ian A. Glaser, Stephen B. Gold, Robert B. Goldman, Ross Gruber, Howard R. Miller, Steven S. Schwartz, Robert Serino, Dawn Sosnick, Michael Winninger, Mark Salerno

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. Ferguson and faculty*

### **HDC 621 Year II Children's Dentistry 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. Ferguson and faculty*

### **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. Ferguson and faculty*

### **HDC 721 Year III Children's Dentistry 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. Ferguson and faculty*

### **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 601 and 701

*48 course hours, Dr. Cinotti and faculty*

## 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

*Dr. Ferguson*

## Department of Dental Medicine

*Chair:* Barry R. Rifkin

*Professor:* Barry R. Rifkin

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

*Associate Professor:* Joseph K. Spector

*Assistant Professor:* Martin R. Boorin, Denise Trochesset

*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, Kendra D. Block, Robert Bloom, Edward M. Bram, Robert A. Brown, Joan Korins, Jerome Cymerman, Johnasina L. Cummings, Anthony F. DeLio, Bradley M. Fischman, Deborah Gazzillo, Joel T. Gluck, Harold Gottlieb, Marc Gottlieb, Howard Gruber, Miles R. Hellman, Dawn Herber, 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, Jay B. Lubliner, Sanford L. Mailman, Steven A. Milhauser, Allan Mohr, Joseph F. Morales, Alan J. Nevins, Robert O'Sickey, Steven G. Pergola, Robert Peskin, Lawrence A. Popkin, Ellen L. Raffle, Mark Robbins, Robert Z. Rosenthal, Martin I. Schachter, Joseph L. Schwadron, Allen Seely, Sheryl L. Silverstein, Stephen L. Sylvan, J. Eric L. Tobias, Richard S. Turner, Richard P. Valentine, Janet Wu

*Clinical Instructors:* Elizabeth Crutchfield, Bruce T. Michnick

*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 532 Community Outreach in Local and Distance Sites**

**HDI 601 Evidenced Based Dentistry and Critical Thinking**

This course consists of eight two-hour learning modules designed to develop in dental students the basic skills needed to recognize the quality of the evidence, journals it is published in, to carry out evidence-based analysis of the literature, to formulate hypotheses and design, analyze data and give an effective power point presentation. The course will convene in the Learning Resource center. Each module will begin with a brief 15 minute power point orientation by the facilitator, followed by student participation in small groups, lead by a student group leader, selected by the group. The students will be responsible for completion of each module, either in class or on their own time if the module is not completed in the two-hours allotted. Students will be graded by the facilitator, by the peers, and will self grade. The grades will be based on timely completion of each module, accuracy, thoroughness of analyses, task completions, by the quality of their presentation. An award will be given to each member of the winning team.

*6 course hours, Dr. Cutler*

**HDI 631 Off-site Clerkship**

**HDI 632 Community Outreach in Local and Distance Sites**

**HDM 601 Professional Responsibility 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.

*6 course hours, Dr. Graskemper*

**HDI 731 Off-site Clerkship**

**HDI 732 Community Outreach in Local and Distance Sites**

**HDM 801 Professional Responsibility 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. Graskemper*

**HDI 701 Interdisciplinary 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. Schwartz*

**HDI 801 Professional Responsibility II**

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).

*14 course hours, faculty members of all departments*

**HDI 802 Diagnosis and Management of Oro-Facial Pain**

A series of lectures/seminars focusing on differential diagnosis and treatment of facial pain.

*24 course hours, Dr. Tannenbaum and faculty*

**HDI 803 Year IV Forensic Dentistry Elective**

This elective will include lectures, viewing at autopsies, attendance at Suffolk Society of Dentistry meetings and exposure to software used to identify unknown specimens.

*20 course hours, Dr. Trochesset*

**HDI 804 Year IV Esthetic Dentistry Elective**

*20 course hours, Dr. Foerth*

**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**

**HDI 832 Community Outreach in Local and Distance Sites**

## 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

*Distinguished Teaching Professor:* H. Barry Waldman

*Professors Emeriti:* Edward R. Schlissel, Mortimer Shakun

*Associate Professor:* Mary R. Truhlar

*Clinical Associate Professors:* Edward W. Antos, Douglas J. Foerth, Arthur Goren, Joseph Graskemper, Richard Greenfield, Sanford Lyman, Ann Nasti, William J. Tinkler, Charles A. Ullo, Debra Cinotti

*Assistant Professors:* George A. Bruder, Alice Urbankova, Dan Colosi

*Clinical Assistant Professors:* Nancy Amoia, David Anolik, Beth Buono-Aprea, Leonard I. Berkowitz, Carl R. Blohmke, Charles Bythewood, Gabriel Conte, Jerome Cymeman, Cecila T. Diggin, Robert Dubois, Anthony Fazio, Steven R. Feigelson, John J. Foti, Janice L. Gillespie, Ying Gu, Ronald C. Hass, David Hershkowitz, Bryan Hoertdoefer, Richard Imperato, Edward Isaac, Raveena Jagwani, James Kantor Dimitrios Kilimitzoglou, Alan S. Kramer, Stephen Kruger, John Lagner, Nicholas Laudati, Bonnie E. Lipow, David Malkin, Maria Maranga, Adamo Notarantonio, Debra A. Oreste, Mark G. Pancotto, Don A. Pantino, Gonzalo Pardo, Shawn Pobiner, Martin Pokorny, Sylvia Rice, Andrew S. Schwartz, Aaron G. Segal, Laura Selub, Susan Shukri, Mark Slovin, Marika Spizz, Frederick A. Stange, Randolph Todd, Christine Valestrand, Ling Xu, Nora Odingo, Christopher Salierno, Sheila Foerth, Thomas Patrie, Richard Weledniger, Ronald Wender, Robert G. Wendt, Laurence A. Wynn

*Lecturer:* Kenneth Shay

*Adjunct Lecturer:* Dolores Cannella

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 Health Care 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 521 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.

*66 course hours, Dr. Nasti, Dr. Lipow 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.

*34 course hours, Dr. Colosi*

### **HDG 511 Dental Morphology /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. Urbankova and faculty*

### **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.

*14 course hours, General Dentistry Faculty*

### **HDG 604 Behavioral Interactions**

Introduces behavioral science, including psychological aspects, communication skills and interpersonal relations. Emphasizes self-assessment, risk taking, and personal impact.

*36 course hours, Dr. Cannella*

**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**

This course presents the principles of inlay/onlay preparations. Students will acquire experience preparing teeth as well as using Cerec system of porcelain restoration fabrication. Students will learn how to manipulate resin cements for use with porcelain restorations.

Prerequisites: HDG 512

17 course hours, Dr. Foerth

**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. Lyman and faculty

**HDG 614 Introduction to Endodontics**

This course leads students from an understanding of pulpal biology through pulpal pathology and microbiology, to the concepts and technical procedures needed for the diagnosis and treatment of endodontic disease, and finally to integrate this knowledge to provide comprehensive patient care.

Prerequisites: HDG 512

23.5 course hours, Dr. Bruder

**HDG 621 Year II Operative Dentistry 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

157 course hours, Dr. Nasti and faculty

**HDG 622 Year II Radiology Clinic**

Introduction of oral radiography in care of patients.

30 course hours, Dr. Colosi and faculty

**HDG 701 Health Care 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, General Dentistry faculty

**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 Implantology**

A comprehensive didactic course that provides a solid foundation for the student in this new discipline of dental implantology.

18 course hours, Dr. Foerth and faculty

**HDG 708 Advanced Esthetic Concepts**

The treatment of dental esthetic issues is a necessary part of current dental education and comprehensive care given to patients. In this course, the students will familiarize themselves with the available approaches to creating harmony and beauty in a smile. All of the available cosmetic restorations on the market will be covered: their indications, contraindications, advantages, disadvantages and techniques. Special emphasis will be given to material, and technique failure, prevention of failure, and possible solutions.

Prerequisites: HDG 605 and HDG 613

14 course hours, Dr. Foerth and faculty

**HDG 709 Oral and Maxillofacial Radiologic Interpretation**

The Oral and Maxillofacial Interpretation course builds on the basic technical and image interpretation material from Radiology I and Year II Radiology clinic, emphasizing interpretation of intraoral imaging and the rationale, design, and execution of intraoral radiographic examinations. After successful completion of the course, the student will be competent to determine the need for imaging, determine the best imaging to meet the diagnostic task, and interpret caries, periodontal disease, and pulpal and periapical pathosis as they appear on such images. They also will be familiar with the appear-

ances of more unusual pathosis of the craniomandibular complex and appropriate modalities for their imaging.  
Prerequisites: HDG 503 and HDG 622  
*20 course hours, Dr. Colosi*

**HDG 711 Endodontics Technique**

The biology and pathology of the pulpal and periapical tissues and the basic principles of endodontic procedures for diagnosis and treatment of pulpal disease and periapical lesions: application of endodontic procedures simulating clinical situations, performed on mounted extracted teeth.  
Prerequisites: HDG 615, HDG 621  
*38 course hours, Dr. Bruder*

**HDG 721 Year III Operative Dentistry Clinic**

The clinical continuation of HDG 621. Emphasizes treatment within the discipline of operative dentistry.  
Prerequisites: HDG 605, HDG 611, 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 605, HDG 611, 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 605, HDG 611, HDG 613, HDG 621  
*124 course hours, Dr. Xu and faculty*

**HDG 725 Year III Endodontics Clinic**

The course is designed to give students hands on experience in the diagnostic, radiographic, and anesthetic techniques necessary during treatment of patients requiring uncomplicated endodontic therapy. The selection and use of endodontic instruments and materials are demonstrated and discussed during clinic sessions.  
Prerequisites: HDG 615, HDG 621, HDG 711  
*30 course hours, Dr. Bruder*

**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. Colosi 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, General Dentistry faculty*

**HDG 803 General Dentistry Seminar IV**

A comprehensive review of restorative dentistry that emphasizes treatment planning. Guest lecturers.  
Prerequisites: HDI 701  
*36 course hours, Dr. Pancotto, Dr. Schwartz, and faculty*

**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 807 Advanced Removable Prosthodontics**

*14 course hours, Dr. Xu and faculty*

**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. Blohmke, Dr. Pancotto, and faculty*

**HDG 822 General Practice Program Clinic II**

(See also HDP 822) A continuation of HDG 821.  
*350 course hours, Dr. Blohmke, Dr. Pancotto, 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. Colosi and faculty*

**HDG 824 Year IV Dental Emergencies Clinic**

Through assignment and rotation through the Dental Emergencies Clinic, the fourth-year dental student will attain clinical experience in the ability to triage, differentially diagnose, treat and/or refer patients who present themselves with dental and/or orofacial emergencies. Students will treat patients under the supervision of assigned faculty. Consultation with specialists and or referrals will be made when necessary.  
*20 course hours, Dr. 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*

### Health Policies and Delivery Systems

Individual study and independent analysis of health policy issues affecting dental care delivery.  
School of Dental Medicine  
*120 course hours, Dr. Waldman*



## Department of Hospital Dentistry and Dental Anesthesiology

*Chair:* Robert P. Reiner (Acting)

*Distinguished Teaching Professors:* Fred S. Ferguson

*Professor:* Vincent J. Iacono

*Associate Professors:* Robert Reiner, Mary R. Truhlar

*Assistant Professor:* Denise A. Trochesset

*Clinical Professor:* Mark Swerdloff

*Clinical Associate Professors:* Debra A. Cinotti, Joseph Graskemper, Stephen Sachs, Anthony Casino, Allan Kucine, Salvatore L. Ruggiero

*Clinical Assistant Professors:* Michael Apton, Barry Bass, William Bast, Steven Bear, Edward Bram, Beth Buono-Aprea, Johnasina Cummings, Martin Dominger, Steven Feigelson, Doug Foerth, John Frost, Stephen Gold, Jeffrey Goldberg, Harold Gottlieb, Joel Holubar, Jonathan Kameros, William Katz, Roger Kleinman, Leon Klempner, Joan Korins, Arthur Kupperman, David Malkin, Jay Neugarten, Yonghyuk Park, David Plosky, Martin Pokorny, Sharon Pollick, Stacy Reifeld, Sylvia Rice, William X. Schneider, Michael Schwartz, Scott Siegel, Mark Slovin, Stephen Sokoloff, Lester Stein, Kenneth Stoler, Nils Wallen, Richard Weledniger, Ralph H. Epstein

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)

*Clinical Professors:* Mark Swerdloff, Charles Stroh

*Clinical Associate Professors:* Anthony J. Casino, Allan J. Kucine, Salvatore L. Ruggiero, Stephen Sachs, Rory Sadoff

*Clinical Assistant Professors:* Thomas Arcati, Nelson R. Assael, Barry D. Bass, William G. Bast, Lawrence E. Becker, Bertram Blum, Martin Dominger, John G. Esposito, Jeffery Goldberg, Robert P. Iovino, Guenter J. Jonke, David Jurman, Jonathan B. Kameros, 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, William X. Schneider, Michael H. Schwartz, Scott Siegel, Steven I. Snyder, Stephen M. Sokoloff, Lester D. Stein, Kenneth L. Stoler, J. Hamilton Willoughby

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.

*55 course hours, Dr. Kucine 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. Kucine

**HDS 701 Advanced Oral and Maxillofacial Surgery Treatment Planning**

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.

Prerequisite: HDS 601

10 course hours, Dr. Kucine

**HDS 702 Physical Diagnosis: An Introduction to Family Medicine**

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.

Prerequisite: HDS 601

92 course hours, Dr. Kucine and faculty

**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.

Prerequisite: HDS 621

24 course hours, Dr. Kucine

**HDS 803 Medical Emergencies III**

A continuation of HDS 703.

Prerequisite: HDS 703

3 course hours, Dr. Kucine

**HDS 821 Year IV Oral and Maxillofacial 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. Kucine

**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 Emeriti:* Hershall W. Kaufman, Thomas F. McNamara, Jerry Pollock, Leo Sreebny, Lorne B. Taichman

*Distinguished Professors:* Lorne M. Golub, Israel Kleinberg

*Professors:* Steven D. London, Barry R. Rifkin, Maria E. Ryan, Marcia Simon

*Research Professor Emeritus:* Nungavarm S. Ramamurthy

*Associate Professors:* Soosan Ghazizadeh, Lucille London, Stephen Walker

*Assistant Professor:* Denise A. Trocheset

*Adjunct Professors:* David Baker, Robert A. Greenwald, Mark Wolff

*Clinical Associate Professors:* Barry Cooper, Arthur Goren, Alvin Heller

*Adjunct Associate Professor:* Timo Sorsa

*Research Assistant Professor:* Don P. Codipilly, Jay Gary Gao, Jasvir Grewal, Hsi Ming Lee

*Clinical Assistant Professors:* Irving Kittay, 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 translational oral biology and clinical oral biology 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.

Oral pathology and oral medicine segments of the department's programs are offered in the latter two years of the curriculum. Where possible, the didactic subject matter is coupled with actual patient examination and clinico-pathological 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 M.S. and Ph.D. 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. Ghazizadeh 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. Ghazizadeh and faculty*

### **HDO 701 Oral Biology III**

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

Prerequisites: HDO 601

*18 course hours, Dr. Ghazizadeh 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

*72 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

*16 course hours, Dr. Trochesset*

### **HDO 704 Translational Oral Biology**

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. Kleinberg 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  
23 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  
15 course hours, Dr. Golub and faculty

**HDO 803 Oral Pathology Conference II**

A continuation of HDO 702.

Prerequisite: HDO 702  
12 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. Kleinberg 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. Walker and faculty

**School of Dental Medicine**

Graduate Studies (M.S. and Ph.D. Programs)  
Director: Marcia Simon

**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 semesters, Dr. 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 semesters, Drs. Walker and Kleinberg

**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 semesters, Dr. Walker

**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 semesters, 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 semester, Drs. Simon and Ghazizadeh

**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 assays 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 semesters, Dr. Walker 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 semesters, Dr. Ghazizadeh 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 semesters, Dr. Ryan 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 semesters, 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 semesters, Dr. Taichman 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 semesters, Dr. Ryan*

**HDO 599 Graduate Research**

Original investigations undertaken with supervision of a faculty member.

Prerequisite: permission of instructor

*1-12 credits each, fall and spring semesters, 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 semesters, 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 semesters, 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 semesters, 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 and Implantology

*Chair:* Vincent J. Iacono

*Distinguished Service Professor:* Vincent J. Iacono

*Professors:* Christopher W. Cutler, Philius R. Garant

*Professor Emeritus:* Paul N. Baer

*Assistant Professor:* Steven P. Engebretson

*Clinical Professor Emeritus:* Charles L. Berman

*Clinical Associate Professor:* Gary D. Kitzis

*Visiting Associate Professor:* Ludovico Sbordone

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

*Research Associate 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.

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## 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.

*14 course hours, Dr. Zove and faculty*

### **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: HDP 501

*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: HDP 601

*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: Richard D. Faber*

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 D.D.S. or D.M.D. 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

- 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 36-month, full-time program beginning July 1. It is designed to meet the eligibility requirements of the American Dental Association for specialization in periodontics and for the certifying examination given by the American Board of Periodontology. Two to three students are accepted each year.

Training is provided at the School of Dental Medicine and at affiliated teaching hospitals, including Stony Brook

University Medical Center, Northport Veterans Affairs Medical Center, and Long Island Jewish Medical Center. The program objective is to produce highly educated and clinically competent periodontists proficient in the diagnosis and treatment of the various forms of periodontal diseases. Significant training is given in implantology, periodontal plastic surgery, oral reconstructive surgery, and periodontal medicine. Educational objectives are accomplished through lectures, seminars, case presentation conferences and clinical practice.

The receipt of a certificate in periodontics is dependent upon satisfactory completion of all scheduled courses, presentation of 20 written completed case reports, and passing in-service and oral comprehensive examinations.

### Year I Program Requirements

Course	Hours
Introduction to Postgraduate Periodontics	90
Geriatrics	9
Physical Diagnosis and Medical Risk Assessment	12
Oral Pathology and Medicine	36
Implantology	40
Core Course in the Basic Sciences	85
Emergency Medicine	120
Anesthesiology	160
Parenteral Sedation	60
Restoring Dental Implants	18
Prosthodontics	24
Occlusion and Temporomandibular Disorders	12
Clinical Research Methods and Introductory Biostatistics	12
Literature Review (Biology and Pathology of the Periodontium/Clinical Periodontology)	74
Current Periodontology and Implantology	
Literature Review	40
Treatment Planning in Restorative/Implant Dentistry	45
Conferences in Clinical Periodontics I	76
Periodontal Clinic I	600
Surgical Seminars I	45
Research Project in Clinical Periodontics I (Elective)	

### Year II Program Requirements

Course	Hours
Periodontal Clinic II	1000
Conferences in Clinical Periodontics II	85
Surgical Seminars II	45
Current Periodontology and Implantology	
Literature Review II	40
Treatment Planning in Restorative/Implant Dentistry	45
Literature Review (Biology and Pathology of the Periodontium/Clinical Periodontology)	74
Periodontics for the Medically Compromised Patient I	88
Research Project in Clinical Periodontics II (Elective)	

### Year III Program Requirements

Course	Hours
Periodontal Clinic III	1000
Conferences in Clinical Periodontics III	85
Surgical Seminars III	45

Current Periodontology and Implantology Literature Review	40	Surgical Endodontics	
Treatment Planning in Restorative/Implant Dentistry	45	Medical Emergencies	
Practice Management	12	Medically Compromised	
Periodontics for the Medically Compromised Patient II	88	Mechanism of Dental Pain	
Research Project in Clinical Periodontics III (Elective)		Scientific Writing	

## Advanced Education Program in Endodontics

*Program Director:* George Bruder

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 D.D.S. or D.M.D. 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 operator 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;
- 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

## 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:

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

## Pediatric Dentistry Program

*Program Director:* Patricia Lewis

This is a 24-month program beginning July 1 with three new positions offered each year. The program is a combined Hospital and University-based certificate program.

The Stony Brook University Pediatric Dentistry Program emphasizes resident training in the multidisciplinary comprehensive dental care approach and management of infants, children and adolescents in addition to dental care for patients with, developmental disabilities. Medically compromised patients are managed using an interdisciplinary healthcare team approach.

The Pediatric Dentistry Residency Program is an educational program designed to provide clinical, didactic, and hospital experience at the postdoctoral level. The Program goals are as follows:

1. Provide the resident with an appropriate and comprehensive education so that they become knowledgeable and clinically proficient in the specialty of pediatric dentistry.
2. Prepare the resident for a career in clinical practice and/or academics and encourage the resident to continue his/her professional growth after completion of the program through formal coursework, self-study, research, attaining Board Certification and an active role in an academic/teaching program.
3. Provide quality oral health care and education to the pediatric and special needs population of Suffolk County, New York.
4. Provide leadership and education in pediatric oral health to health professionals within Stony Brook University Hospital, Stony Brook Health Sciences Center, Winthrop University Hospital, and the Long Island Community.
5. Participate in and collaborate in scholarly activity, research and service programs.
6. Maintain a cost-effective program and effective relationship with the Stony Brook University Hospital, Winthrop University Hospital and the Long Island Community.

The didactic curriculum complements the residents clinical experiences. The core curriculum offers the knowledge and experience required in the medical and dental management of the pediatric and special needs patient. In addition, the curriculum meets the eligibility requirements of the ADA Committee on Dental Accreditation Standards for Advanced Education in Pediatric Dentistry and the American Board of Pediatric Dentistry Qualifying Examination.

The program is designed to ensure that the residents will become proficient in diagnosis, risk assessment and comprehensive treatment planning. Residents will develop the skills and knowledge to diagnose and treat acute infections and pain of the oral region, and traumatic injuries to the dental and maxillofacial tissues.

Service rotations to Pediatric Medicine, Emergency Medicine and Anesthesiology take place at affiliated institutions and are designed to allow for continuity of patient care.

The Pediatric Dentistry Program will have a strong community service component. Residents will participate in oral health programs within school based, Head Start and WIC programs and local community health centers. The resident will participate in health care provider, allied health staff and caregiver education and provide oral health services in the underserved areas of Suffolk County.

For information about this graduate program (ie. tuition, application, stipends) contact:

Patricia Lewis DDS, MBA  
Rm. 120 Rockland Hall  
Stony Brook University  
School of Dental Medicine  
Stony Brook, NY 11794-8700  
(631)632-9684  
*patricia.lewis@stonybrook.edu*

## Dental Anesthesiology Residency

*Program Director:* Ralph Epstein

This is a 24-month program beginning July 1 with three new positions offered each year. The program is a University Hospital-based certificate program.

The Stony Brook University Dental Anesthesia Program emphasizes resident training in all aspects of ambulatory and inpatient sedation and anesthesia services. During the two years of training, the resident will be a part of a comprehensive anesthesia teaching program for medical and dental anesthesia residents. The didactic and clinical training has been developed to meet all requirements of the certifying bodies for medical and dental anesthesiology.

The overall mission of the dental anesthesia residency program is to train dentists in all aspects of anesthesiology in order to provide them with an appropriate foundation for the administration of anesthesia and pain control for dental patients.

The dental anesthesia residents will begin their training with their medical colleagues at the University Hospital. The initial orientation training takes place using the most advanced simulator training techniques in an ultra modern simulator training facility. Following basic comprehensive training in the University Hospital, Veterans Administration

Medical Center and the Ambulatory Surgical Center, the resident will receive training at the School of Dental Medicine, providing ambulatory sedation and general anesthesia services to dental patients. This training will be enhanced by working alongside dentist anesthesiologists as they travel to private offices providing ambulatory sedation and intubated general anesthesia services to dental patients.

Due to the presence of postgraduate programs in endodontics, general practice dentistry, oral and maxillofacial surgery, pediatric dentistry and periodontology, the dental anesthesia residents will train with their peers and provide sedation and anesthesia services for many different types of dental procedures.

Upon completion of the two-year program, the residents will have the competency and proficiency to provide sedation and general anesthesia, in the inpatient and office-based settings, to the general adult population along with pediatric and geriatric patients. This program will provide a special emphasis in the treatment of patients with special needs, i.e., autistic and the developmentally disabled. The residents will also be trained to treat patients with acute and chronic pain syndromes.

Because of the University's high regard for excellence in teaching and research, the selection process will look for prospective residents who have an interest in part-time or full-time teaching at the completion of their residency program. To this end, the residents, in their second year, will help teach anesthesia and pain control to the pre-doctoral students, post-graduate students/residents in the following programs, i.e., endodontics, GPR, oral and maxillofacial surgery, pediatric dentistry and periodontology. They will also assist in teaching continuing education programs to the professional community of the Greater Long Island Region.

For information about this graduate program (application, stipends) contact:

Ralph Epstein, DDS Program Director, Advanced Dental Education Program in Dental Anesthesiology  
Room 1104 Sullivan Hall  
Stony Brook University  
School of Dental Medicine  
Stony Brook, NY 11994-8700  
(631)444-2557  
[repstein@notes.cc.sunysb.edu](mailto:repstein@notes.cc.sunysb.edu)

## 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 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

Academy of Osseointegration Outstanding Student in Implant 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

Certificate of Recognition for Volunteer Service in a Foreign Country

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

Minority Student Dental Association Award

Nancy Wender National Dental Board High Achievement Award

New York Academy of Dentistry Award

New York State Society of Oral and Maxillofacial Surgeons Award

Northeastern Society of Periodontists 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

Sachem Dental Group Scholarship Award

Suffolk County Dental Society Award (3rd and 4th years)

The Charles and Maria Ryan Scholarship in Oral Biology and Pathology

The Delta Dental Student Leadership Award

The Dimitrios Kilimitzoglou Pioneer in Dentistry Award

The Richard J. Oringer Award

The James Horn Award

The John Oppie McCall Award

The Leon Eisenbud Oral Pathology Award

The School of Dental Medicine Alumni Award of Excellence

Ultradent Esthetic Dentistry Award

Waterpik Hanau Prosthodontic Award

William S. Kramer Award of Excellence



