

RUTGERS

School of Dental Medicine



**COURSE CATALOG
ACADEMIC YEARS
2015-2017**

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MESSAGE FROM THE DEAN

Welcome to Rutgers School of Dental Medicine. If you are a prospective student looking for the best possible dental education, you have come to the right place.



On July 1, 2013, New Jersey Dental School became part of Rutgers, The State University of New Jersey. Along with that integration, our name changed to Rutgers School of Dental Medicine. Our leadership recommended the new name to reflect that dentistry is a health profession founded in biomedical science. We believe our new name more closely aligns with today's dental education and practice.

While our name may have changed, our commitment to providing the absolute best possible dental education remains the same. Our number one priority is to ensure that every student receives an outstanding education in an environment of opportunity—the opportunity to learn, to practice and to serve. We are extremely proud of our role in shaping the dental profession. For more than a half century, RSDM has been improving oral health and quality of life for the people in our state and beyond.

As New Jersey's only dental school, RSDM is a major resource for pre-doctoral dental education and postgraduate specialty education. Our doctor of dental medicine (DMD) degree program prepares students to deliver the highest-quality oral treatment possible, with care and compassion, using the latest techniques and materials. Students from across the country apply to RSDM, and dental practitioners from around the world enroll in our postgraduate programs. We are also at the forefront in providing outstanding continuing education programs for our state's oral health care practitioners.

People who need dental treatment know they can count on RSDM. Our faculty members stay abreast of the latest advances, so every patient can opt for a treatment plan that best suits his or her specific needs. Our students treat patients under the tutelage of our faculty in our clinics and extramural sites, gaining valuable hands-on experience and the interpersonal skills and cultural competency needed to treat today's diverse population.

Research activity at RSDM is robust. Each year our scientists garner millions in funding for studies in oral disease and other areas of human health. We are extremely proud of our Department of Oral Biology, which is ranked seventh nationwide for scholarly productivity among universities with similar programs.

Our school is clearly an institution on the move. As we begin the next 50 years as Rutgers School of Dental Medicine, we will continue to be recognized for our excellence in education and patient care and dedication to improving the lives of those we serve.

Cecile A. Feldman, D.M.D., M.B.A.
Dean

RSDM MISSION

The Rutgers School of Dental Medicine (RSDM), the state's university of the health sciences, is dedicated to the pursuit of excellence in: the undergraduate, graduate, postgraduate and continuing education of health professionals and scientists; the conduct of biomedical, psychosocial, clinical and public health research; health promotion, disease prevention and the delivery of health care; and service to our communities and the entire state. Providing educational, research and service programs at campuses in Camden, New Brunswick/Piscataway, Newark, Scotch Plains and Stratford, in communities throughout the state, and nationally and internationally through advanced communication and information technologies, RSDM seeks to meet the needs of our diverse constituencies and improve the health and quality of life of the citizens of New Jersey and society at large.

BOARD OF TRUSTEES

See the most up-to-date Board members at:

<http://governingboards.Rutgers.edu/board-trustees/board-trustees-membership-listing>

RUTGERS BIOMEDICAL HEALTH SCIENCES ADMINISTRATION

Brian L. Strom, MD, MPH, RBHS Chancellor

RBHS Office of the Chancellor: <http://rbhs.rutgers.edu/chancellor.shtml>

See the Senior Administration at: <http://oirap.rutgers.edu/instchar/RBHSorgchart.pdf>

DEANS OF THE RBHS SCHOOLS

Sherine E. Gabriel, MD, *Dean, Robert Wood Johnson Medical School*

Cecile A. Feldman, DMD, MBA, *Dean, School of Dental Medicine*

Gwendolyn M. Mahon, M.Sc., Ph.D., *Dean, School of Health-Related Professions*

Jasjit S. Ahluwalia, MD, MPH, MS, *Dean, School of Public Health*

Robert L. Johnson, MD, *Dean, New Jersey Medical School*

Kathleen W. Scotto, PhD, *Dean, Graduate School of Biomedical Sciences*

William L. Holzemer, Ph.D, RN, FAAN *Dean, School of Nursing*

RUTGERS BIOMEDICAL AND HEALTH SCIENCES HISTORY AND ORGANIZATION

RBHS Schools

Rutgers Biomedical and Health Sciences (RBHS) is an institution of higher education in the health sciences. As New Jersey's public university of the health sciences, it is the largest such institution in the nation.

RBHS was created to consolidate and unify all of the State's public programs in medical and dental education. Founded in 1970 by the act of the State Legislature as the College of Medicine and Dentistry of New Jersey, RSDM was granted status as a freestanding university in 1981 in recognition of its growth and development as a statewide system for health.

Today, RBHS enrolls more than 7,200 students in its eight schools on four major academic campuses in Newark, Piscataway/New Brunswick, Stratford and Camden, and a branch campus in Scotch Plains. In addition to the MD and DMD degrees, it offers graduate degrees in basic medical sciences, allied health and nursing sciences, and undergraduate degrees in allied health and nursing.

There are eight schools within RBHS:

- New Jersey Medical School, Newark, with a total enrollment of over 700 students, awards approximately 180 Doctor of Medicine (MD) degrees each year.
- School of Dental Medicine, Newark, with a total enrollment of over 400 pre-doctoral students and nearly 100 post-graduate students, awards approximately 100 Doctor of Dental Medicine (DMD) degrees, 20 Master degrees, and 25 post-graduate Certificates each year.
- Robert Wood Johnson Medical School, Piscataway/New Brunswick and Camden, with a total enrollment of more than 620 students, awards approximately 160 Doctor of Medicine (M.D.) degrees each year.
- Graduate School of Biomedical Sciences, Newark, Piscataway and Stratford, which enrolls more than 1290 students, awards more than 300 degrees each year.
- School of Health Related Professions, Newark, Scotch Plains, Piscataway and Stratford, with a total enrollment of approximately 1550 students in stand-alone, joint certificate, and degree programs, awards over 400 degrees each year.
- School of Nursing, Newark and Stratford, with a total enrollment of more than 1625 students in stand-alone and joint degree programs, awards over 225 Bachelor of Science in Nursing (BSN) and 150 Master of Science in Nursing (MSN) degrees each year, as well as nearly 50 doctorates in Nursing.
- School of Public Health, Piscataway/New Brunswick and Newark, established in 1998 as the University's eighth school, has a total enrollment of nearly 400 students and awards over 100 Master of Public Health (MPH), Doctor of Philosophy (PhD) and Doctor of Public Health (DrPH) degrees each year.

RBHS Health Care Facilities

Through its own teaching facilities, as well as through a wide network of affiliates, RBHS coordinates a statewide program of health care delivery, providing both specialty services for statewide referral and primary care in its base communities.

University Hospital in Newark, NJ is a freestanding institution. The 519 bed facility was opened in 1979 as the primary teaching facility of RBHS Newark-based schools and programs. Today, the hospital serves as a clinical training site for allied health, medical, dental and nursing programs. The hospital offers a comprehensive program in primary care to the Newark community and sophisticated referral services to the entire state.

In addition to University Hospital, there are two other principal teaching hospitals: Robert Wood Johnson University Hospital, New Brunswick, and The Cooper Health Care System, Camden. These hospitals are the primary teaching facilities for RSDM-Robert Wood Johnson Medical School-

Piscataway, and Robert Wood Johnson Medical School-Camden, respectively.

RBHS also recognizes four additional University Hospitals in which the University's medical students and house staff receive training: Hackensack University Medical Center, Morristown Memorial Hospital, St. Peter's University Hospital, New Brunswick and Kennedy Memorial Hospitals/University Medical Center, Stratford.

RBHS also has teaching affiliations with more than 200 health care facilities, and colleges and universities throughout New Jersey for cooperative educational programs.

University Behavioral HealthCare is an integrated mental health and addiction service delivery system dedicated to treatment, prevention and education. As part of the largest network of behavioral health care providers in the state, treatment sites are located throughout New Jersey. Students from RSDM's three medical schools, the School of Nursing, the School of Health Related Professions and the School of Public Health are afforded multidisciplinary training opportunities with experienced psychiatrists, psychologists, social workers, psychiatric nurses, and certified drug and alcohol counselors.

RSDM is a member of the University Health Systems of New Jersey, a consortium of major teaching hospitals dedicated to quality health care and health professions education

Campus Location: Schools and Units

Camden

- RBHS-Robert Wood Johnson Medical School
- The Cooper Health System

Newark

- University Administration
- RBHS -Graduate School of Biomedical Sciences
- RBHS -School of Dental Medicine
- RBHS -New Jersey Medical School
- RBHS -School of Health Related Professions
- RBHS -School of Nursing
- RBHS -School of Public Health
- RBHS -University Hospital
- RBHS -University Behavioral HealthCare
- RBHS -George F. Smith Library of the Health Sciences

New Brunswick

- RBHS -Robert Wood Johnson Medical School
- RBHS -School of Health Related Professions
- RBHS -School of Public Health
- Robert Wood Johnson University Hospital

Piscataway

- RBHS -Robert Wood Johnson Medical School
- RBHS -Graduate School of Biomedical Sciences
- RBHS -School of Health Related Professions
- RBHS -School of Public Health
- RBHS -University Behavioral HealthCare

Scotch Plains (*branch campus*)

- RBHS -School of Health Related Professions
- The Center for Advanced and Continuing Education

Stratford

- RBHS -Graduate School of Biomedical Sciences
- RBHS -School of Dental Medicine
- RBHS -School of Health Related Professions
- RBHS -School of Nursing
- RBHS -School of Public Health

ACCREDITATION

Rutgers Biomedical and Health Sciences is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools. All educational programs of the University have been approved by the academic, governmental and professional agencies with responsibilities in specific areas of specialization.

The primary and affiliated teaching hospitals of the School are accredited by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO).

RUTGERS/RBHS POLICIES

Rutgers students have the responsibility to be aware of and to abide by all applicable University policies. The Office of the Secretary maintains a web-site with all current University policies. At <http://policies.rutgers.edu/> and <http://academicaffairs.rutgers.edu/additional-resources/rbhs-policies>

Academic Colors

Hoods signifying degrees conferred by RSDM, as registered with the Intercollegiate Bureau of Academic Costume, are lined with white and have a chevron of scarlet. The dental hood is faced with lilac velvet.

Commencement

Commencement is a University-wide function. Usually held the third Sunday in May, all graduates are expected to attend unless excused for a legitimate reason.

Confidentiality of Student Records

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. RSDM students have the right to review, inspect and challenge the accuracy of information kept in a cumulative file by the educational unit unless the student waives this right. The policy on FERPA may be reviewed at <http://compliance.Rutgers.edu/ferpa>

A Drug-Free University

The Rutgers School of Dental Medicine is committed to providing a drug-free environment conducive to learning, teaching, health care and research for its students, faculty, staff, house staff and volunteers in all University facilities. Drug and alcohol misuse and abuse pose a serious threat to the physical and psychological well-being of all members of the University community, jeopardize the success of the University's mission and programs, and negatively impact operations in terms of productivity, safety, learning, attendance and patient care. Alcohol and drug abusers, as well as chemically or mentally impaired students, are encouraged to seek help. The University has implemented various assistance programs for individuals who are impaired, through University Behavioral HealthCare, the Departments of Psychiatry, and the various campus/school, student, house staff and faculty assistance committees. The University is committed to the rehabilitation of all impaired students and employees whenever possible, but when expert medical judgment attempts at rehabilitation fail or are inappropriate, impairment is sufficient grounds for disciplinary action, including dismissal under existing University and School bylaws and employee policies.

The University has published a booklet "Alcohol & Other Drugs" which can be viewed at <http://rhshope.rutgers.edu/health-and-wellness/alcohol-tobacco-and-other-drugs/ru-alcohol-policy>

Equal Educational Opportunity

RSDM and its component units are committed to a policy of equal opportunity without regard to race, color, creed, religion, sex, sexual orientation, national origin, age, physical or mental handicap, military status, marital status, or other factors prohibited by laws. This is the governing principle in student admissions, other student services, and employment related activities. The University's Equal Educational Opportunity Policy can be found on the University's web-site at <http://academicaffairs.Rutgers.edu/eo>

Health Insurance

All RSDM students must be covered by accident and health insurance. All RSDM students will be billed for the University's health insurance policy. If the student provides proof of alternate accident and health insurance, the student's account will be credited. More information is available at <http://www.universityhealthplans.com>.

Housing

Graduate student and resident housing is available on the Newark campus of the Rutgers School of Dental Medicine. The on-campus facility has state-of-the-art design and a thoughtfully planned living

experience for 462 graduate students, residents, post docs and faculty from RSDM's medical, dental, nursing, and other schools. More information is at <http://ruoncampus.Rutgers.edu/>

Immunizations

All students must meet specific immunization requirements to be in compliance with the RSDM Health and Immunization Policy. These include, but are not limited to: Hepatitis B, tuberculosis, measles, mumps, rubella, influenza, varicella, polio, and tetanus-diphtheria-pertussis. The University policy on student immunizations is available at

http://academicaffairs.rutgers.edu/sites/academicaffairs/files/RBHS%20Chancellor%20Policy_Student%20Immunizations%20and%20Health%20Requirements_6.19.13.pdf Records of the above are maintained by the Student Health and Wellness Center.

Ombudsperson

The Ombudsperson is a resource and proponent for fairness for students and house staff by listening to and discussing with them problems for which they seek assistance. The Ombudsperson will guide students and house staff by identifying and evaluating options to resolve problems, providing information on other resources within and outside of the University, opening avenues of communication, gathering and explaining information, serving as a neutral conflict resolution office and recommending policy and procedures to address problem areas brought to the Ombudsperson's attention. The Ombudsperson will be available to students and house staff in addition to other established channels of assistance, and may refer individuals to those channels when appropriate. The RSDM policy regarding Ombuds is available for review at

http://academicaffairs.rutgers.edu/sites/academicaffairs/files/RBHS%20Chancellor%20Policy_Student%20and%20Housestaff%20Ombuds_6.1913.pdf .

The RSDM Ombudspersons are Dr. Ival McDermott and Dr. Joseph Rinaggio.

Patent and Copyright Requirements

RSDM policy requires all personnel, including students, to assign to RSDM rights to any patentable material developed while the inventor was engaged in activities supported with RSDM funds. Student research and study pursued as a result of involvement are included activities. The RSDM policy regarding Patents is available at <http://policies.Rutgers.edu/50314-currentpdf>

Students with Disabilities

Americans with Disabilities Act

The Americans with Disabilities Act provides a clear and comprehensive national mandate for the elimination of discrimination against individuals with disabilities in all aspects of the educational process, regardless of their citizenship status or nationality. A copy of the following policy is distributed to all interviewed applicants.

Rights of the Disabled

No program or activity administered by the University shall exclude from participation, admission, treatment or employment, or deny benefits to, or subject to discrimination any qualified individual solely by reason of his or her disability. Qualified individuals are those persons who, with reasonable accommodation, are capable of performing the essential functions of the position in question in accordance with RSDM policy, applicable laws and regulations.

Essential Functions for Admission and Matriculation to RSDM

The granting of the DMD degree signifies that the holder of such a degree is a dentist prepared for entry into the practice of dentistry or postgraduate training programs of diverse types. The DMD degree is, and must remain a broad based degree attesting to the mastery of general knowledge in all fields requisite for the practice of dentistry. It follows from this that graduates must possess the knowledge and skills necessary to function in a broad variety of clinical situations, and to render a wide spectrum of patient care. Rutgers School of Dental Medicine (RSDM) complies with section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act and ascertains that candidates for the

DMD degree must perform certain essential functions. The complete policy regarding Essential Functions for Admissions and Matriculation may be reviewed in the Student Handbook.

Accommodations Policy

Students who seek accommodations from RSDM-School of Dental Medicine on the basis of a disability are required to submit a written request for accommodation to the Associate Dean for Academic Affairs (ADA/Section 504 Compliance Officer). The complete Accommodations Policy may be reviewed in the Student Handbook.

Complaints/Appeals

An individual who believes he or she has been discriminated against on the basis of disability, or feels the decision by the school was not appropriate, should contact the Office of Employment Equity (848) 932-3953.

Following a decision by the school, the student may submit additional information regarding his/her request for accommodations. Students are encouraged to communicate with the Senior Associate Dean for Academic Affairs at any time to evaluate the need for accommodations and any changes that might be indicated.

Student Rights, Responsibilities and Disciplinary Procedures

RBHS students have the following responsibilities:

- As U.S. citizens, residents or visitors: The responsibility to be aware of and to abide by all applicable federal, state and local civil and criminal laws and regulations;
- As students at RSDM the responsibility to be aware of and to abide by all applicable University and School policies, rules, procedures and standards, both general and academic; and the responsibility for personal and professional integrity and honesty; and
- As future health care professionals and/or biomedical scientists holding a public trust: the responsibility to adhere to all generally recognized standards of professional and ethical conduct; and the responsibility to help ensure that high standards of professional and ethical conduct are upheld by fellow students, colleagues and peers by reporting incidents of academic and professional dishonesty observed in others.

Each RBHS School has an honor code and/or code of professional conduct which sets forth general principals of integrity and honesty as well as ethical and professional expectations for behavior.

Students on RBHS campuses have the following rights:

- the academic freedom to examine and discuss all questions of relevance and to express opinions publicly and privately in a reasonable, non-disruptive manner without fear of reprisal;
- the right to be informed of and to participate, when invited, in the formulation and implementation to express views about policies and issues of student interest;
- the right to form associations to promote common interests;
- the right to be apprised of criteria for academic evaluation, advancement and graduation;
- all rights and protections mandated by applicable federal and state laws and regulations;
- and the right to seek redress of grievances and have complaints heard.

For more information, refer to the University policy "Student Rights, Responsibilities and Disciplinary Procedures" at:

http://academicaffairs.rutgers.edu/sites/academicaffairs/files/RBHS%20Chancellor%20Policy_Students%20Rights%2C%20Responsibilities%2C%20and%20Disciplinary%20Procedures%20_6.19.13.pdf

Transcripts

All currently enrolled students of the School of Dental Medicine receive a free-of-charge a student copy of the transcript of their RSDM academic record at the end of each year. Upon written request within a reasonable time period, currently enrolled students may receive an official copy of their transcript.

There is a fee of \$7.00 per copy. All financial obligations must be met before any transcript is released. A request for an official transcript must be submitted to the Registrar's Office online at <https://transcripts.rutgers.edu/>

Only RSDM transcripts may be released to outside institutions or individuals. Non-RSDM transcripts received as part of the application process remain the property of RSDM and are never released to the student or other outside institutions or individuals. Those seeking to send non-RSDM transcripts to a third party must send their request for a transcript to the original institution. However, students do retain the right to view these records.

ADMINISTRATION

Cecile A. Feldman, DMD, MBA	Dean
Kim E. Fenesy, DMD	Senior Associate Dean for Academic Affairs
Michael Conte, DMD	Associate Dean for Clinical Affairs
Rafael Benoliel, BDS	Associate Dean for Research
Andrea C. West, MBA	Chief Operating Officer
Rosa Chaviano-Moran, DMD	Assistant Dean of Admissions and Student Recruitment
Jeanette DeCastro, PhD	Assistant Dean for Academic Affairs
Herminio Perez, DMD, MBA	Director of Student and Multicultural Affairs
James McIntosh	Director of Facility Administration
Vincent Nacco,	Executive Director Finance
Janice Gibbs, MA	Executive Director, Division of Continuing Dental Education

A relatively young institution, the School of Dental Medicine graduated its first class of students more than five decades ago. The School was established as part of the Seton Hall College of Medicine and Dentistry in Jersey City, admitting its inaugural class in 1956. From its modest beginnings as a struggling private institution, the School has grown into New Jersey's major resource for dental education and research.

In 1965, the Seton Hall complex was acquired by the State. Three years later, New Jersey Medical School moved to Newark, occupying temporary quarters near the Martland Medical Center. The Dental School remained at the Jersey City location until its permanent facilities were completed in Newark early in 1976.

The School awards the Doctor of Dental Medicine (D.M.D.) degree upon completion of a comprehensive four-year program. In addition, educational programs are offered in every field of dental study. Rutgers School of Dental Medicine offers graduate dental educational specialty training in six areas: Endodontics, Oral Medicine, Oral Surgery, Orthodontics, Pediatric Dentistry, Periodontics, and Prosthodontics. Hospital residencies are offered in General Practice Dentistry and in Oral and Maxillofacial Surgery (which leads to a Doctor of Medicine degree). A fellowship in Oral Medicine is also available, as well as the Master of Science in Dentistry and Master of Dental Science degrees. The Graduate School of Biomedical Sciences offers a PhD program that is coordinated by RSDM. The PhD program is specifically designed to address the issues related to the shortage of research faculty in dental sciences. The Dental School also serves as a clinical training site the RBHS-School of Health Related Professions in dental assisting and dental hygiene programs.

Housed in its modern, spacious building on RBHS's Newark campus, Rutgers School of Dental Medicine provides a setting uniquely suited to an excellent educational experience. Its clinic space, research laboratories and seminar and lecture rooms are designed for optimum efficiency in teaching and health care delivery.

Early in July 2004, the dental school opened the new 12th Avenue Pavilion. This state-of-the-art facility is a hub of activity on the Newark Campus. With its impressive glass facade, the building symbolizes our philosophy of keeping abreast of the latest trends in 21st century educational technology. The Delta Dental Educational Conference Center, on the main level, consists of a Multipurpose Room and three lecture halls that boast executive-style seating for 400 and the latest in audiovisual equipment. On the upper level, our faculty and students provide treatment in state-of-the-art patient clinics that are outfitted with the latest dental equipment and technology. When patients arrive for appointments, they are seated in bright waiting areas that feature restful, comfortable furniture. Each clinic is equipped with individual treatment cubicles that create an atmosphere of privacy, yet they are large enough to accommodate group demonstrations and sit-down, four-handed dentistry.

The Bergen Street Pavilion is an integral part of the campus. It connects to the Medical Science Building, where lecture halls and teaching laboratories are designated for dental student use. The

Bergen Street Pavilion is also connected to The University Hospital, the RBHS-New Jersey Medical School and the George F. Smith Library of the Health Sciences. The RBHS-Graduate School of Biomedical Sciences and the RBHS-School of Health Related Professions are nearby.

MISSION, VISION & VALUES

Mission

To improve oral health and quality of life through the education of oral health professionals and scientists, the conduct of research, the promotion of health and disease prevention, and the delivery of oral health care to communities throughout the state and beyond.

Vision

To be the leading dental school for education, scientific research and patient care.

Fulfillment of this vision is measured by our ability to:

- offer unique and innovative educational experiences;
- set the standard for education of the oral health professional of the future;
- provide unsurpassed opportunities for students, faculty and staff;
- cultivate a passion for teaching, research, patient care and service among faculty and staff;
- provide state-of-the-art clinical, educational and research facilities;
- expand knowledge and practice through world-class research;
- deliver comprehensive, leading-edge patient care and state-wide access to care;
- and enhance the quality of the academic culture.

Values

1. **Excellence:** We continuously strive for superior performance in education, patient care, research, and community service. This empowers students, faculty and staff to achieve our highest standards. We put those we serve first, including the students, community, the profession, and our patients.
2. **Integrity:** We are committed to dealing openly and honestly in all activities and providing open access to information. We respect the confidentiality and personal privacy of all students, faculty, staff and patients. We adhere to all laws and regulations, and to the policies of RSDM/Rutgers. We work to protect and assure all individuals' rights and report any deviations from RSDM and University standards.
3. **Respect:** We treat all students, faculty, staff and patients with respect, dignity and compassion. We expect all of our students, faculty and staff to act in a professional and humanistic manner, recognizing the importance of diversity and an individual's personal beliefs. We strive for an environment of caring, inclusiveness, individuality and individual responsibility, while adhering to the principles of equality and fairness.
4. **Innovation:** Our environment encourages excitement and openness to change, such as incorporation of new technologies and teaching methods as well as curricular revisions. We provide opportunities for the exchange of ideas, and encourage and support the implementation of new ideas. Community-based initiatives which are economically, culturally and academically desirable are encouraged. We seek to establish collaborative relationships with other schools and entities throughout the University, industry and the community.

Goals

Goal 1: Education

Graduates from our academic programs will possess the knowledge, skill and values to practice dentistry and contribute towards the growth of the profession.

Goal 2: Research

SDM faculty will expand knowledge through revolutionary and pioneering research.

Goal 3: Patient Care

Delivery of patient-centered quality oral healthcare services will improve the health and well-being of our patients.

Goal 4: Community

Community engagement will enhance achievement of mutual goals.

Goal 5: Faculty

SDM faculty will be dynamic, dedicated and expert in their field and will be active members of the SDM and Rutgers University academy.

Goal 6: Operations and Finance

Improving the operations, facilities, and financial health of RSDM will accelerate the achievement of our mission.

Goal 7: Academic Environment

Core values of RSDM will further a positive academic climate.

**RSDM Strategic Plan
(2008-2014)**

1. Curriculum

The RSDM pre-doctoral, postgraduate, postdoctoral and continuing education curricula will be innovative, relevant, and flexible and supported by state-of-the-art technology and research.

- Set the standard for the future of oral health education;
- Increase interdisciplinary linkages with particular emphasis on the relationship between medical and dental sciences;
- Integrate state-of-the-art technology throughout the curricula; and
- Provide academic and clinical experiences through which students learn to deliver comprehensive oral health care.
- Research

RSDM faculty members will expand knowledge in oral health through meaningful, high-quality research.

- Strategically develop nationally renowned research centers; and
- Increase and promote research activities.

2. Patient Care

People throughout New Jersey and beyond will choose RSDM as their preferred source of oral health care.

- Improve health through access to and delivery of care to the residents of New Jersey;
- Enhance clinical efficiency while optimizing quality of care;
- Increase the scope(variety/diversity)and number of patients receiving care at RSDM; and
- Develop new and enhance existing centers of excellence.

3. Partnership with Community

The relationship between RSDM and the community will be mutually beneficial.

- Enhance public recognition of RSDM as a significant contributor to community well-being; and
- Increase financial support.

4. World-Class Faculty

The RSDM faculty members will be knowledgeable, dynamic and experts in their areas.

- Attract and retain a renowned faculty;
- Increase opportunities for scholarly advancement;
- Cross-educate basic, clinical and social science faculty members; and
- Broaden the scope and diversity of our faculty, as part of an ever-changing environment.

5. Infrastructure and Facilities

Infrastructure and facilities will support the mission and goals of RSDM.

- Review and update the RSDM Facilities Plan; and
- Provide a state-of-the-art environment to support delivery of the curricula, provision of patient care and conduct of research.

6. School Environment

The Core Values of RSDM will shape the behaviors and actions throughout the school, resulting in a positive academic climate and high morale.

- Promote an environment of trust, integrity, collegiality, collaboration, innovation and flexibility;
- Enhance the academic culture;
- Create systems that recognize and reward outstanding performance;
- Reduce dependence of state appropriations by diversifying revenue; and
- Attract and retain a high-quality, diverse student body

ADMISSIONS POLICIES AND PROCEDURES

<http://sdm.Rutgers.edu/students/prospective/index.html>

Rosa Chaviano-Moran, DMD, Assistant Dean of Admissions and Student Recruitment

Doctor of Dental Medicine Program

The Office of Admissions and Student Recruitment serves several important functions, including representing School of Dental Medicine to prospective students, assisting students throughout the application process, and encouraging students to consider the profession of dentistry as a career. Admission to RSDM is highly selective and competitive. Applicants are selected for an interview on the basis of a number of criteria which include academic excellence, leadership qualities, demonstrated compassion for others and broad extracurricular experience. The Admissions Committee also considers the candidate's motivation and perseverance. Although RSDM does not require a minimum GPA or minimum DAT score, competition tends to favor those with stronger credentials. No transfer credit is awarded for any coursework taken at any other college or university, and no transfer students from other dental schools are accepted.

Students are selected for admission to the School of Dental Medicine on the basis of scholastic achievement, fitness and aptitude for the study of dentistry, and other personal qualifications. The Board of Trustees of the University has committed itself and the University and its schools to a policy of equal opportunity without regard to race, color, creed or religion, sex, national origin, age, military status, marital status, disability if otherwise qualified, or other factors prohibited by law. This is the governing principle in student admissions, other student services and employment. The School of Dental Medicine recognizes the value of diversity and is committed to providing appropriate support for its student body.

For information regarding academic requirements for the Doctor of Medicine in Dentistry program, admissions procedures and frequently asked questions, please visit our webpage.

Policy on Criminal Background Checks and Verification of Disciplinary Records

As a condition of admission and continued enrollment, students may be required to authorize RSDM to obtain criminal background check(s). Offers of admission will not be considered final and enrollment will not be permitted until completion of the background check, with results deemed favorable by RBHS.

The complete University policy on Criminal Background Checks for Accepted Applicants for Admission to RBHS Schools is available at

http://academicaffairs.rutgers.edu/sites/academicaffairs/files/RBHS%20Chancellor%20Policy_Criminal%20Background%20Checks%20for%20Accepted%20Applicants%20and%20Currently%20Enrolled%20Students%20in%20RBHS_6.18.13docx.pdf

All applicants conditionally accepted for admission to RSDM are required to have every college the applicant attended complete a "Disciplinary Action Disclosure Form." This form serves as verification of their disciplinary record, with results deemed favorable by the RSDM as a condition of their admission, initial enrollment and/or continued enrollment. An offer of admission will not be final and enrollment not permitted until the receipt and review of completed Disciplinary Action Disclosure Forms with results deemed favorable by the RSDM. The complete Policy of Verification of Disciplinary Records is available at <http://sdm.Rutgers.edu/students/prospective/policy-verification-disciplinary-records.pdf>

BS/DMD Programs

The RBHS-School of Dental Medicine has entered into articulation agreements with several institutions of higher education for the purpose of granting a BS degree and a DMD degree in less than the normal eight-year time frame. Under the agreements, the student would complete certain required courses for three years at the undergraduate school and four years at RBHS-RSDM. A Bachelor of Science degree is granted by the undergraduate school upon completion of the freshman year at RBHS-RSDM

BS/DMD Institutions:

Caldwell College	Ramapo College
Fairleigh Dickinson University	Rowan University
New Jersey City University	Rutgers, The State University
Montclair State University	Saint Peter's College
New Jersey Institute of Technology	Stevens Institute of Technology
North Carolina Central University	

Each of these undergraduate institutions has specific requirements regarding admission (high school GPA, SAT scores, letters of recommendation, etc.) and course loads while at their school. Specific information may be obtained at the undergraduate schools or the RBHS-RSDM Office of Admissions and Student Recruitment.

Internationally Trained DMD Program (IDP)

The Internationally Trained DMD Program (IDP) at the School of Dental Medicine is designed to enable qualified dentists educated outside the United States or Canada to earn a Doctor of Dental Medicine (DMD) degree following a special twenty-seven month didactic and clinical program. The program was developed for individuals who have completed the equivalent of a DMD or DDS program in a non-US or Canadian accredited dental school. It is intended for individuals who would be interested in pursuing a dental career in the US or who would be interested in returning to their country with additional skills acquired in a US accredited DMD program.

A detailed policy outlining the Internationally Trained DMD Program is available in the Student Handbook.

Information regarding tuition and fees for IDP students is available at http://rbhs.Rutgers.edu/studentfinancialaid/app_process/stu_budgets.htm

Internationally Trained DMD Faculty Program

The RSDM Internationally Trained DMD Faculty Program is intended for truly exceptional individuals who have a foreign DMD (or its equivalent) and have been identified by a RSDM Search Committee as the most qualified individual for a faculty position at the School of Dental Medicine. This program would be offered only to select individuals who have been identified as essential faculty members at RBHS-RSDM. These individuals would typically bring to RBHS-RSDM unique abilities and skills which would enhance the reputation and stature of the University. Only internationally trained dentists who have been recommended by an RSDM faculty search committee and approved by the RSDM Appointments and Promotions Committee for a faculty appointment will be considered to be eligible for matriculation in the Internationally Trained DMD Faculty Program.

A detailed policy outlining the Internationally Trained DMD Faculty Program is available in the Student Handbook.

DMD/PhD Program

Students interested in the D.M.D/Ph.D. program may apply at any time during their first three years in RSDM. Application forms are available from the Admissions Office of the School of Dental Medicine. Completed applications and letters of reference should be submitted directly to the RSDM Admissions Office.

All DMD/PhD candidates are prescreened by the RSDM Admissions Committee and the DMD/PhD Program Committee, and meritorious applicants will be invited for interviews at the School of Dental Medicine conducted jointly by both committees.

Students accepted into the program are responsible for tuition and fees for the four-year DMD degree. During the GSBS phase of the program, graduate school tuition remission is provided, and the standard GSBS stipend is provided (currently \$26,500).

It is expected that each student will apply for an NIH F30 award (NIDCR Individual Predoctoral Dental Scientist Fellowship) during their first year. If a student continues their career in research immediately following completion of the program, they may be eligible for the NIH loan repayment program (see <http://www.lrp.nih.gov/> for details).

Each year up to two students are anticipated to be accepted into the DMD/PhD Program.

A complete description of the curriculum of the DMD/PhD program is available at http://sdm.Rutgers.edu/students/prospective/predoctoral/DMD-PhD_program.pdf

Graduate Dental Education Programs

Postdoctoral Graduate Dental Education Programs

<http://sdm.rutgers.edu/students/prospective/programs.html>

School of Dental Medicine offers postgraduate specialty training in Endodontics, General Practice, Oral and Maxillofacial Surgery, Oral Medicine, Orthodontics, Pediatric Dentistry, Periodontics and Prosthodontics. The Endodontics, General Practice Residency, Oral and Maxillofacial Surgery, Orthodontics, Pediatric Dentistry, Periodontics, and Prosthodontics programs are CODA accredited.

All Postgraduate students are enrolled in a two year Core curriculum (PGY-1, PGY-2) managed by the Office for Academic Affairs. The School of Dental Medicine Office of Research through the Department of Oral Biology offers a School of Dental Medicine Seminar Series.

Information regarding admissions to the post-graduate programs, as well as links to individual program websites, is on the postdoctoral programs website.

Master of Science (program in Dentistry) and Master of Dental Science Programs

<http://sdm.rutgers.edu/departments/oral-biology/masters/index.htm>

The Master of Science in Dentistry and Master of Dental Science programs provide advanced academic training for those students, enrolled in the School of Dental Medicine's graduate dental education specialty programs, who want to broaden their understanding of the biological sciences on which their clinical practice is based. These programs include core courses in Foundation of Oral Biology and Advanced Biomedical Science for Dentistry, as well as specialized courses in Oral Immunology, Microbiology, Metallic Systems in Dental Biomaterials Science, Polymeric Systems in Biomaterials Sciences and Scanning Electron Microscopy. All course work addresses issues specific to each dental specialty program, thereby, enriching the students' experience in their specialties. Students in the Master of Science in Dentistry program complete a hands-on research project, while students in the Master of Dental Science program complete an extensive literature review. DMD and DDS prepared individuals who are accepted into a School of Dental Medicine graduate dental education specialty program will be able to apply to either of the Masters programs at the time of their application to the graduate dental specialty program or by September 15 of the first year of that program. Students pursue either of the masters programs simultaneously with a School of Dental Medicine graduate dental education specialty program, and can complete their chosen Master's program within a two to three year time frame.

Additional information, including application materials, is available on the Dental Masters Programs website.

FINANCIAL OBLIGATIONS AND ASSISTANCE

Tuition and Fees

The amount of tuition and fees as well as the type of fees are subject to change without notice. A deferred payment plan may be arranged with the Office of Administration and Finance. Although the School of Dental Medicine is on an academic trimester calendar, tuition and fees are assessed on a semester (twice a year) basis.

Student Cost of Attendance estimates for the DMD, International Dentistry and Post-Graduate programs are available at: http://rbhs.Rutgers.edu/studentfinancialaid/app_process/stu_budgets.htm

For 2015-2016, the tuition for the School of Dental Medicine is as follows:

Program	2015-2016 Tuition
DMD	
NJ Resident	\$38,883
Non-Resident	\$63,001
IDP DMD	
NJ Resident (Summer Session)	\$12,491
Non-Resident (Summer Session)	\$15,690
NJ Resident (Regular Year)	\$58,913
Non-Resident (Regular Year)	\$72,360
Dental postgraduate	
NJ Resident	\$49,123
Non-Resident	\$49,123
Master of Science - program in Dentistry (MS) Master of Dental Science (MDS)	
NJ Resident (in articulated portion of program)	\$7,255
Non-Resident (in articulated portion of program)	\$7,255
NJ Resident (full-time)	\$30,280
Non-Resident (full-time)	\$31,351

Tuition and fees are subject to change on an annual basis. Students are also responsible for various mandatory fees and expenses, including but not limited to the General Fee, Campus Fee, Technology Fee, Equipment Fees, Books, Scrubs, and Health Insurance.

Invoices for tuition and fees are mailed thirty days prior to the start of each semester. All students must pay or demonstrate a commitment to pay tuition and fees in full thirty days prior to each semester's start date. A fee of \$50 per month will be assessed on late payments. All funds from financial aid will be initially applied to tuition and fees. Refunds will be distributed after tuition and fees are paid. Students with outstanding financial obligations will not be allowed to continue into subsequent semesters.

Students repeating an academic year must pay full tuition. Students enrolled in the Five Year Program must pay full tuition for each of the five years. Students carrying a reduced course load (e.g., repeating a year with course waivers) must pay full tuition if enrolled in more than half the courses in a semester or if the student's schedule contains periods of individual study or other electives. Students enrolled for up to one-half the courses in a semester may be charged half tuition. Determinations of less than full tuition for any reason are made on a case-by-case basis by the Associate Dean for Academic Affairs or designee.

The University's policy on Student Tuition and Fee Obligations is available at http://academicaffairs.rutgers.edu/sites/academicaffairs/files/RBHS%20Chancellor%20Policy_Student%20Tuition%20and%20Fees%20Obligations_6.19.13.pdf

The University's policy on Student Residency for Tuition Purposes is available at <http://policies.rutgers.edu/sites/policies/files/10.3.2%20-%20current.pdf>

The detailed RSDM policy on Student Financial Responsibility is available in Part VII of the Student Handbook at <http://sdm.rutgers.edu/handbook/student.pdf>

Financial Aid

<http://rbhs.rutgers.edu/studentfinancialaid/>

Robert B. Fahy, Senior Associate University Director Student Financial Aid

Pearl McMillan, Associate Campus Director for the Newark Campus

Students enrolled in RSDM are eligible to apply for financial assistance. Most financial aid is awarded based on need. Need is defined as the difference between the cost of attending RSDM (tuition, fees, books, supplies, instruments, rent, utilities, food, transportation and personal expenses) and the financial ability of the student/family to contribute toward these costs. All students must complete the Free Application for Federal Student Aid (FAFSA). The form is available on the Internet at: www.fafsa.ed.gov. The FAFSA code for this school is 002629.

The Student Financial Aid Office provides federal loans and some grants to assist dental students who demonstrate need. Loan and grant funds are also available from sources outside the University. Financial Aid is a function of the Central Administration of the University. The staff provides counseling as well as debt management services.

Application packets are available in the Student Financial Aid Office, Administration Complex #1208, 30 Bergen Street, Newark, NJ 07101-1709. The Student Financial Aid Office also prepares a handbook for all students each year about their programs, packaging policies and other relevant financial aid information.

Standards of Satisfactory Academic Progress

Sound academic principles require that students be required to maintain standards of Satisfactory Academic Progress (SAP). In addition, federal regulations require the School to establish Satisfactory Academic Progress standards for students who are awarded federal financial aid funds. Satisfactory Academic Progress standards apply to all matriculating full-time or less than full-time students, whether they are financial aid recipients or not. Students, who fail to maintain Satisfactory Academic Progress annually may be placed on financial aid probation, may be placed on the Five Year Program, may be required to repeat an academic year, may be dismissed, or may voluntarily withdraw, in accordance with the policies of the School. The standards of Satisfactory Academic Progress measure a student's performance in three areas: completion rate, cumulative grade point average (GPA) and maximum time frame.

The RSDM Satisfactory Academic Progress policy may be viewed at:

DMD students - <http://sdm.rutgers.edu/handbook/index.htm>

Post Graduate & Masters Students - <http://sdm.rutgers.edu/handbook/residenthandbook/index.html>

Default/Delinquency

A student delinquent or in default on any education loans from any prior institutions or RSDM may not receive additional educational loans at RSDM until the delinquency or default status is rectified. The Financial Aid Office will assist students in the resolution of problems related to financial aid.

Loan Counseling and Debt Management

Students may make an appointment with a Financial Aid Officer to discuss a particular program, to determine repayment schedules, to project total indebtedness and to determine how much can reasonably be borrowed. The Financial Aid Office provides counseling on manageable debt levels to students upon request.

ACADEMIICS

Code of Ethics

Standards of professional integrity formed during dental education become the cornerstone for entrance into the profession and continued good standing as a practitioner of future honorable conduct. To this end, the School of Dental Medicine, in compliance with all applicable Rutgers policies, is committed to the adherence and enforcement of the American Dental Association Principles of Ethics and Code of Professional Conduct, the RBHS University Policy on Student Rights, Responsibilities and Disciplinary Procedures, and the School of Dental Medicine Honor Code.

The full RSDM Code of Professional Conduct and Ethics is available for review in the Student Handbook and is distributed to incoming students for review and signature.

Curriculum

The goal of the curriculum of the School of Dental Medicine is to prepare competent general practitioners who are able to manage the oral health care of the public. The curriculum provides a foundation for those graduates who seek advanced training in the dental specialties, biomedical research and/or dental education.

To accomplish this goal, graduates must understand the interrelationship of the biological, physical, clinical and behavioral sciences in order to practice effectively in three overlapping areas of professional responsibility:

1. **COMPREHENSIVE PATIENT CARE**
 - a. *Diagnosis and Treatment Planning.* The graduate will be able to diagnose conditions of the oral cavity and its related structures. The graduate also will be able to develop a logical treatment plan for the prevention and treatment of oral conditions so that each patient can be maintained in, or restored to, a healthy, functioning aesthetic condition.
 - b. *Delivery of Therapeutic Procedures.* The graduate will be able to perform competently state-of-the-art preventive and therapeutic procedures which are used by general dentists in the treatment of patients. Since the practice of dentistry is constantly changing, the curriculum emphasizes the learning of general concepts as well as specific techniques. The graduate should be able to delegate and evaluate treatment using currently accepted methods. The graduate also will be able to manage patients and auxiliaries in various practice settings
 - c. *Care of the Whole Patient.* The graduate will be able to understand and recognize the medical and/or socioeconomic problems which may influence or result from dental treatment. The graduate will be able to manage the manifestations of these problems as they affect or are affected by dental treatment.
2. **PARTICIPATION IN COMMUNITY DENTAL PROGRAMS** As a member of the health team, the graduate will be able to assess community dental health problems and play an active role in the solution of such problems.
3. **CONTINUATION OF PROFESSIONAL DEVELOPMENT** The graduate will be able to evaluate the dental literature in order to benefit from recent research and apply this information to dental practice. The graduate will be a continual learner who acquires new knowledge and skills through continuing education and participation in organized dentistry.

The Five Year Program

Recognizing that students learn and assimilate information at varying rates, the RSDM-RSDM has developed a Five Year Program which allows a student the opportunity to successfully complete the four-year curriculum in five calendar years. The program is designed so that the schedule of the first two academic years is expanded into three calendar years; the last two years are identical to those of the four-year schedule. This program can be entered no later than the end of the Winter trimester of the first year. The curricular schedule for the first three years of the 5 year program is below; the fourth

and fifth years of the 5 Year Program follow the schedule of the Third and Fourth years of the standard curriculum. Course schedule and requirements are subject to change.

Grading

Course syllabi which include information about the goals and requirements for each course, course content, topic outlines, methods of evaluation and specific departmental policies are distributed by course directors at the beginning of each course. Each department determines the manner in which students are examined and the criteria for evaluating performance. Within five (5) working days of the conclusion of a course or the date of the final examination, final letter grades are transmitted to the Registrar's Office for recording on the student's permanent academic record (transcript).

Valid letter grades and their values are:

Letter Grade	Description	Grade Points	Numerical Scores
A	Excellent	4.00	90-100
B+		3.50	85-89
B	Average	3.00	80-84
C+		2.50	75-79
C	Fair	2.00	70-74
D	Unacceptable	1.00	65-69
F	Failure	0.00	60-64
FR	Failure/repeat	0.00	59 and below
D/C or F/C	Grade on remediation		

For calculation of final course grades, decimal values are rounded to the nearest whole number.

The **D** grade and the **F** grade must be remediated or repeated, if allowed by the Student Academic Performance Committee after consideration of the student's overall academic performance. The **D/C** or **F/C** is awarded after re-examination in a didactic or preclinical laboratory course or after remediation or completion of deficient requirements in a clinical course. The new grade is recorded on the transcript in addition to the previous grade.

Grade Point Average

Grade point averages (GPA) are calculated to determine the rank in class and eligibility for promotion for each student. It is dental school policy that, for the purposes of determining class rank, a grade point average will be computed using ONLY the FIRST grade obtained in each course. For the purpose of determining eligibility for promotion and Satisfactory Academic Progress, grades earned on remediation or repetition of a course will be used to calculate the grade point average.

The complete Grade Policy for RSDM is available in the Student Handbook.

Requirements for Degree

The degree of Doctor of Dental Medicine (D.M.D.) will be conferred upon the candidate who has met the following requirements:

1. Regular attendance for the prescribed period of four academic years of instruction.
2. Satisfactory completion of curricular requirements in the preclinical and clinical areas of each of the years of study.
3. Adherence to high standards of moral and professional conduct.
4. Payment of all financial obligations, including dental store debts. (After a specified date in April, only cashier's checks, certified checks or money orders will be accepted.)
5. Return of all loan equipment, patient charts, gold, etc. to the Dental school.
6. Successful completion of both Part I and Part II of the National Board Dental Examination.
7. Completion of all requirements within five (5) academic years after first enrollment in the program. (Excluding the combined DMD/PhD program.)

8. Only those students who have completed all of the above requirements by May 31 will receive a diploma with the May commencement date. Those completing requirements after May 31, but before the next May commencement date, will receive a diploma with an alternate date.

Schedule of Courses

All DMD students at RSDM follow the standard current curriculum upon matriculation. All courses must be completed in the specified order. Course schedule and requirements are subject to change.

2015-2016

FIRST YEAR FALL TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
ACAD8001	Orientation (BCLS)	P/F
ACAD8110	Introduction to Clinical Dentistry	CONT
ANAT7109	Gross Anatomy & Embryology	9
COMH8111	Introduction to the Profession	P/F
DSCI7106	Histology	9
NEUR7109	Dental Neuroscience	5
REST8101	Basic Dental Anatomy Didactic	3
REST8102	Basic Dental Anatomy Laboratory	3
REST8105	Basic Clinical Skills	P/F
REST8120	Preclinical Operative Dentistry I Didactic	CONT
REST8121	Preclinical Operative Dentistry I Laboratory	CONT
FIRST YEAR WINTER TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
ACAD8110	Introduction to Clinical Dentistry	CONT
BIOC7102	Biochemistry	8
PHYS7106	Physiology	12
REST8114	Occlusion Didactic	CONT
REST8115	Occlusion Laboratory	CONT
REST8120	Preclinical Operative Dentistry I Didactic	4
REST8121	Preclinical Operative Dentistry I Laboratory	5
FIRST YEAR SPRING TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
ACAD8110	Introduction to Clinical Dentistry	P/F
ACAD8190	Basic Science Integration Clinical Dentistry	4
DSCI7101	General Pathology	P/F
OBIO7101	Oral Immunology	4
OBIO7103	Microbiology	7
OBIO7160	Analyzing the Evidence in Dentistry	3
PERI8109	Introduction to Periodontics and Preventive Dentistry	3
REST8112	Complete Dentures I Didactic	2
REST8113	Complete Dentures I Laboratory	2
REST8114	Occlusion Didactic	3
REST8115	Occlusion Laboratory	3
REST8130	Preclinical Operative Dentistry II Didactic	4
REST8131	Preclinical Operative Dentistry II Laboratory	5
TOTAL:		98

2015-2016

SECOND YEAR FALL TRIMESTER		
COURSE #	COURSE TITLE	CREDITS

ACAD8207	Clinical Dentistry	CONT
COMH8220	Culture & Communication in Healthcare	2
DSCI7203	Systemic Pathology	6
DSCI8209	Oral Radiology I	CONT
OBIO7250	Applying the Evidence in Clinical Dentistry	3
ORTH8214	Orthodontic Didactic (Growth & Development Module)	CONT
PERI8202	Periodontics II	4
REST8208	Preclinical Fixed Prosthodontics Didactic	CONT
REST8209	Preclinical Fixed Prosthodontics Laboratory	CONT
REST8216	Complete Dentures II	3
REST8240	Preclinical Operative Dentistry III Didactic	CONT
REST8241	Preclinical Operative Dentistry III Laboratory	CONT
SECOND YEAR WINTER TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
ACAD8207	Clinical Dentistry	CONT
DSCI7202	Oral Pathology	CONT
DSCI8209	Oral Radiology I	4
DSCI8211	Diagnostic Science	CONT
OMFS8202	Pain Control	1
ORTH8214	Orthodontic Didactic (Orthodontics Module)	5
ORTH8215	Preclinic Orthodontic Laboratory	P/F
PERI8203	Periodontics III	2
PHRM7206	Pharmacology	8
REST8208	Preclinical Fixed Prosthodontics Didactic	3
REST8209	Preclinical Fixed Prosthodontics Laboratory	7
REST8218	Removable Partial Dentures Didactic	CONT
REST8219	Removable Partial Dentures Laboratory	CONT
REST8240	Preclinical Operative Dentistry III Didactic	3
REST8241	Preclinical Operative Dentistry III Laboratory	4
SECOND YEAR SPRING TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
ACAD8207	Clinical Dentistry	P/F
ACAD8290	Basic Science Integration Clinical Dentistry	4
DSCI7202	Oral Pathology	10
DSCI8215	Oral Radiology II	2
DSCI8211	Diagnostic Science	4
ENDO8201	Principles of Endodontics Didactic & Lab I	4
OMFS8215	Fundamentals of Oral & Maxillofacial Surgery	2
PERI8204	Periodontics IV	3
PHRM7206	Pharmacology	CONT
REST8203	Restorative Materials and Procedures	3
REST8213	Implant Dentistry I	2
REST8218	Removable Partial Dentures Didactic	2
REST8219	Removable Partial Dentures Laboratory	1
REST8220	Preclinical Interdisciplinary Restorative Didactic	1
REST8221	Preclinical Interdisciplinary Restorative Laboratory	1

TOTAL: 94

2015-2016

THIRD YEAR SUMMER TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
REST8320	Implant Dentistry I	2
THIRD YEAR FALL TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
DSCI8309	Clinical Nutrition	2
DSCI8328	Treatment Planning Seminar I	CONT
ENDO8301	Principles of Endodontics II	2
OBIO7307	Oral Biology	7
PEDO8317	Pediatric Dentistry	CONT
REST8303	Restorative Materials and Procedures	3
REST8321	Implant Dentistry II	P/F
THIRD YEAR WINTER TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
COMH8319	Practice Management I	2
DSCI7302	Oral Medicine	CONT
DSCI8301	Research Seminar	P/F
DSCI8328	Treatment Planning Seminar I	CONT
OMFS8323	Advanced Techniques of Pain Control	2
PEDO8317	Pediatric Dentistry	CONT
THIRD YEAR SPRING TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
ACAD8390	Basic Science Integration Clinical Dentistry	4
COMH8304	Dentistry in the Community	2
DSCI7302	Oral Medicine	5
DSCI8328	Treatment Planning Seminar I	P/F
OMFS8316	Advanced Topics in Oral & Maxillofacial Surgery	2
PEDO8317	Pediatric Dentistry	4
REST8313	Esthetic Dentistry	3
THIRD YEAR CLINICS (Fall, Winter, Spring)		
COURSE #	COURSE TITLE	CREDITS
CLAF8329	Patient Care & Management I	P/F
DSCI8305	Radiology Clinic	2
DSCI8307	Diagnosis & Treatment Planning Clinic I	P/F
DSCI8321	Diet & Nutrition Intervention in Clinic I	P/F
ENDO8302	Endodontics Clinic I	P/F
OMFS8327	Oral & Maxillofacial Surgery Clinic I	4
ORTH8315	Clinical Orthodontics I	P/F
PEDO8318	Pediatric Dentistry Clinic I	P/F
PERI8303	Preventive Dentistry Clinic I	P/F
PERI8322	Periodontics Clinic I	P/F
REST8305	Operative Dentistry Clinic I	P/F
REST8326	Prosthodontics Clinic	P/F

TOTAL: 46

2015-2016

FOURTH YEAR SUMMER TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
COMH8419	Practice Management II	1
DSCI8429	Diagnostic Science Seminar II	P/F

FOURTH YEAR SPRING TRIMESTER		
COURSE #	COURSE TITLE	CREDITS
COMH8433	Ethics & The Law	P/F
FOURTH YEAR CLINICS (Fall, Winter, Spring)		
COURSE #	COURSE TITLE	CREDITS
CLAF8429	Patient Care & Management II	P/F
DSCI8408	Oral Medicine Clinic	P/F
DSCI8409	Diagnosis & Treatment Planning Clinic II	4
DSCI8410	Diet & Nutrition Intervention in Clinic II	P/F
ENDO8402	Endodontics Clinic II	7
OMFS8415	Oral & Maxillofacial Surgery Clinic II	2
ORTH8416	Clinical Orthodontics II	P/F
PEDO8419	Pediatric Dentistry Clinic II	9
PERI8403	Preventive Dentistry Clinic II	4
PERI8422	Periodontics Clinic II	7
REST8404	Fixed Prosthodontics Clinic	9
REST8405	Operative Dentistry Clinic II	11
REST8425	Removable Prosthodontics Clinic	10
TOTAL:		64

Five Year Program Schedule of Courses
(See standard schedule for years 4 and 5)

Selective/Elective Program

The Selective/Elective courses constitute a portion of the teaching program during the fourth year at School of Dental Medicine. The aim of this program is to allow the student the opportunity to structure a segment of the fourth year curriculum. Through this program, the student is provided with the opportunity to:

1. Increase the interest level in learning during the fourth year by choosing some subject matter
2. Reinforce previously taught material and/or cover in-depth some specific aspects of previous material
3. Expand knowledge of specialty areas to determine interest in specialization
4. Enrich the educational experience by courses teaching unique or advanced aspects of their disciplines
5. Prepare for private practice by courses designed to focus on management, psychology and community relations
6. Do research in the clinical and basic sciences
7. Observe aspects of dentistry in an extramural setting

Student Academic Performance Committee

The Student Academic Performance Committee (SAPC) meets regularly to review student performance and make recommendations of academic action to be taken on students. Academic actions include: promote the student to the subsequent academic year, certify the fourth year student for graduation, place the first year student in the five year program, permit the student to remediate F and/or D grades, place the student on Academic Probation, place the student on Academic Warning, allow the student to repeat the academic year, and dismiss the student from RSDM.

RSDM OFFICES

Academic Affairs

http://sdm.rutgers.edu/about/admin_academic-affairs.html

Kim E. Fenesy, DMD, Senior Associate Dean for Academic Affairs

Jeanette E. DeCastro, Ph.D, Assistant Dean for Academic Affairs

The mission of the Office of Academic Affairs is to plan, support and evaluate all aspects of the predoctoral, postdoctoral and continuing dental education curriculum at RSDM. Areas of activity include ongoing curriculum review, curriculum design and modification, curriculum administration, and academic scheduling, as well as maintaining the individual course grades and syllabi for all postgraduate programs. The Office of Academic Affairs has the principal responsibility for administering the predoctoral dental curriculum as developed by the RSDM Curriculum Committee, as well as the Postgraduate Core Curriculum. Curricula matters with affiliate dental auxiliary programs, other RSDM schools and the organization and preparation of reports relating to accreditation are also the responsibility of this office.

Administration and Finance

http://sdm.rutgers.edu/about/admin_finance.htm

Vincent Nacco, Executive Director Finance

The Office of Administration & Finance is fully responsible for all aspects of the administrative and fiscal operations as it pertains to the School of Dental Medicine. Specific areas of responsibility includes: finance, budget preparation and control, collection of student tuition, patient billing & collections and dental stores.

Divisions of the Office of Administration and Finance:

- *SDM Budgets* is responsible for the planning, developing and maintenance of the annual operating budget under the guidance and direction of the Associate Dean & Central Administration Budget Office. This office monitors actual revenues and expenditures against the budget and prepares monthly reports.
- *SDM Clinical Financial Affairs* is responsible for administering the financial reporting and accounting practices for the dental clinical business operations for the Statewide Network and the management of patient billing and collections.
- *SDM Dental Stores* is responsible for the management of purchasing and distribution of equipment and supplies for dental student and the dental school. Students must maintain their equipment and instruments throughout the academic program. Instruments which are lost or deemed unsatisfactory by an instructor must be replaced.
- *SDM Student Account Receivables* is responsible for administering the maintenance of each student's financial commitment with the university charges, such as collection of outstanding tuition and/or loan balances, prepares student tuition statements and issue student account bills. This office handles the cash collection and disbursement of financial aid to each student account.

Clinical Affairs

http://sdm.rutgers.edu/about/admin_clinical-affairs.htm

Michael Conte, DMD, MPH, Associate Dean for Clinical Affairs

The Office for Clinical Affairs is responsible for the daily operational activities of the clinical curriculum and clinic Programs of the New Jersey policies and procedures for ensuring the effective and efficient operation of the School's clinics. The office for Clinical Affairs works collaboratively with the School's Associate Dean's and Department Chairs to improve the School's academic and clinical programs. Every effort is made to assign each student to a variety of patients, thereby providing a broad experience in the biological and technical aspects of patient care. There is a continuous monitoring of patient care provided by students in the Comprehensive Care System.

Through the Group Practice Administrators, students are supervised in their performance of comprehensive care that includes attendance, scheduling of appointments, and the timely delivery of care to the patients are evaluated. There are 35 additional personnel supporting clinical and clerical activities.

Continuing Dental Education

<http://sdm.rutgers.edu/CDE/>

Janice Gibbs, MA, CMP, CPP, Executive Director

The RSDM-Center for Continuing and Outreach Education is a University-wide Center servicing each of the eight component schools, including a division based in the Dental School. The growth and expansion of the profession makes today's dentist's life-long learners. The Division presents conferences, seminars, symposia, workshops, and web-based activities for all dental professionals in the latest diagnostic, preventive, and treatment procedures and techniques.

The opportunity for students to attend continuing education programs is available through an elective offered to fourth year students. The Division of Continuing Dental Education encourages all dental students to take part in the many educational activities offered by the Division.

Extramural Affairs

http://sdm.rutgers.edu/about/admin_extramural.htm

Jill York, DDS, MAS, Assistant Dean for Extramural Clinics

The innovative CODE program holds the promise of educating tomorrow's dentists in an effective, non-traditional setting while delivering quality oral health care. It will also prepare graduates to assume leadership roles in the shaping of future healthcare policies agendas, not just in New Jersey, but nationwide.

Facility Administration

http://sdm.rutgers.edu/about/admin_facility.htm

James McIntosh, Director of Facility Administration

The Office of Facility Administration is responsible for the operational aspects of the Dental School Facilities, preclinical services, dental mechanical services, and space planning and assessment.

Hospital Affairs and Institutional Development

http://sdm.rutgers.edu/about/admin_ohaid.htm

Vincent Ziccardi, DDS, MD, FACS, Assistant Dean, Hospital Affairs

This office provides oversight of hospital-related oral health programs and activities and the development of hospital-based residency programs. It also creates new opportunities for expansion and collaboration with University Hospital, other hospitals, and health care organizations throughout the state, country, and world.

Vacant, Institutional Development

This office recommends programs and strategies that respond to the changing health-care environment, while fulfilling the goals and objectives of the Dental School. The Assistant Dean serves as the Dean's representative to internal departments, other university-wide committees and units, and external organizations. The office furthermore supports, advises, and develops strategies to assist all other departments and officers throughout the school in fulfilling their roles in supporting the Rutgers School of Dental Medicine mission, goals and strategic initiatives. The Assistant Dean also develops and supports inter-profession education programs at other academic health care institutions and hospitals.

Multicultural Affairs

http://sdm.rutgers.edu/about/admin_multicultural.htm

Herminio Perez, DMD, MBA, Director of Student and Multicultural Affairs

The School of Dental Medicine celebrates its diversity and is committed to fostering an environment that is inclusive and encourages and respects different religious, cultures, ethnic and racial backgrounds. The mission of the Office of Multicultural Affairs is to enhance the professional dental school experience for all students through their interaction with a diverse faculty, staff and community in a culturally sensitive environment.

Research

<http://sdm.rutgers.edu/research/office/index.html>

Rafael Benoliel, BDS, Associate Dean for Research

The Office of Research provides administrative support for all research activities of the School of Dental Medicine. It promotes and coordinates research programs and assists faculty in identifying external funding sources and in preparing and submitting grant applications. It is also responsible for ensuring that all grant applications and contracts comply with federal, state, University, and sponsor requirements. Accordingly, this office reviews grant applications and provides final signature authorization that all such requirements have been satisfied.

The Office of Research also sponsors student research through its administration of the Student Research Group and organization of the Student Summer Research Program. A limited number of summer research fellowships are available to students through this office every year.

Student Affairs

http://sdm.rutgers.edu/about/admin_student-affairs.html

Kim E. Fenesy, DMD, Senior Associate Dean for Academic Affairs

The purpose of the Office of Student Affairs is to ensure that students at Rutgers School of Dental Medicine are provided with the necessary student services and counseling in an environment which produces academic excellence. It also monitors the academic programs of students to ensure that students and graduates are among the highest quality health care practitioners, sensitive to ethical issues, the community-at-large and professional responsibilities. The Office of Student Affairs receives, reviews, and aids in satisfactory solutions to student problems and is a source of pertinent information. Students should feel free to contact this office for advice and, when necessary, referral to other appropriate offices.

STUDENT RESOURCES

Chaplains

The Department of Pastoral Care is located in University Hospital, Room D-344. You may call the Pastoral Care Department directly at (973) 972-2668 between the hours of 9 a.m. and 5 p.m. The Director of Pastoral Care and the volunteer chaplains are available to students for counseling and to serve as a resource for those seeking personal assistance.

The Chapel is located in University Hospital Room D-345, and is open 24 hours a day. A schedule of religious services is posted outside of the chapel. For further information, please call (973) 972-5668.

Dental Alumni Association

<http://sdm.rutgers.edu/daa/>

The Dental Alumni Association was established in 1960, when the Charter Class graduated from the Seton Hall University College of Medicine and Dentistry. A representative of the fourth year class sits as a nonvoting member of the Association's Executive Committee in order to increase communication between the Dental school and its past and present students.

The Association has as its principal purpose the furtherance of the Dental School's progress and future growth, not only in a financial way, but also by taking an active role in the School's development.

Each year, the Dental Alumni Association endeavors to increase the amount and the number of scholarships it awards to dental students. The association sponsors summer research fellowships, clinician awards and offers student emergency loans. It organizes receptions for alumni, faculty and students at major dental meetings, sponsors various fund raisers and other social events.

Digital Media Services

<http://www.libraries.rutgers.edu/dana/media>

Digital Media Services is the University-wide instructional multi-media production facility. Its primary mission is to design, market, produce, and distribute an array of multi-media materials and support aids to the University's educational programs.

Food Services

<http://www.uhnj.org/patients/services.htm>

A cafeteria which accommodates faculty, students and staff is located on the B-level in University Hospital. The Garden Café is open Monday – Friday from 6:30 am to 7 pm and on weekends and holidays from 6:30 am to 7 pm.

In addition, vending machines in the cafeteria and student lounge offer a variety of foods 24 hours a day.

The George F. Smith Library of the Health Sciences

<http://www.libraries.rutgers.edu/smith>

Judith S. Cohn, Director Health Sciences Libraries

The George F. Smith Library of the Health Sciences exists to fulfill the scholarly information needs of all students, faculty and staff on the Newark Campus. Located at 30 Twelfth Avenue in Newark, the library is open 93 hours per week including evenings and weekends. It houses the largest print collection of the RSDM libraries and supports the disciplines of medicine, nursing, dentistry, public health, and health related professions.

International Services

<http://rbhs.rutgers.edu/internationalservices/>

Yocasta Brens-Watson, Director

The International Services office serves the specialized needs of RSDM's international students and scholars and their dependents. Services include communication of relevant information to both students and staff by means of information workshops and orientation programs for new students, and provision of comprehensive advising. International Services ensures the University's compliance with all U.S. immigration regulations and procedures, and is the University's liaison to the U.S. Departments of State and Homeland Security. Advice is provided to departments seeking to hire or enroll foreign nationals under the F-1, J-1, H1B or O-1 visa classifications as appropriate.

Recreation

A student lounge is located on the B Level of RSDM, and includes comfortable chairs and tables, vending machines and pool tables.

Rutgers Recreation

<http://recreation.rutgers.edu/about-us/membership/>

RSDM students, faculty and staff are eligible to purchase membership at Rutgers recreation facilities.

Student Handbook and Policies

Detailed and most current versions of all student policies are available in the RSDM Student Handbook at <http://sdm.rutgers.edu/handbook/student.pdf>

Student Health and Wellness Center

<http://sdm.rutgers.edu/students/current/predoctoral/resources.html>

Student Health and Wellness Center is a division of the Department of Family Medicine, New Jersey Medical School. Student Health Services provides a broad range of services for physical and mental health.

DEPARTMENTS OF INSTRUCTION AND COURSES OFFERED

BIOMEDICAL SCIENCES

<http://sdm.rutgers.edu/departments/biomedical/index.html>

Courses offered in cooperation with New Jersey Medical School

Biochemistry. The chemical nature and bio-chemical functions of the cell constituents are taught with particular emphasis upon intermediary metabolism, biosynthetic systems and nutrition. The role of the inorganic elements in the maintenance of normal health is presented in considerable detail.

Dental Neuroscience. The purpose of this first year course is to familiarize the student with the structure and function of the human central nervous system. The main area of study is functional neuroanatomy but the course also includes aspects of neuropathology, neuropharmacology and neurology.

Gross Anatomy & Embryology. The gross structure of the major regions of the human body, head and neck, thorax and abdomen are studied in the laboratory by dissection and demonstration. Special emphasis and study are placed on the maxillofacial regions and their surgical anatomy as well as those parts of the nervous system, thorax and abdomen, which are clinically important. Lectures stress morphological concepts, functional correlations and practical application to clinical problems. Lectures on radiographic anatomy of the head and neck and the development of the human body are also integrated with the teaching of gross anatomy.

Microbiology. Microbiology is designed to acquaint the student with the various ways that infectious agents interact with the human host. The course uses lectures, reviews and, if necessary, individual tutorials to examine these interactions. Lectures are devoted to structure morphology and replication of viruses, bacteria and eukaryotic parasites. Host reaction to the presence of the agents (including, specifically, the response of the immune system) are also studied. Other host reactions such as hypersensitivity and immune mechanisms involved in transplantation and graft rejection are detailed. A large part of the course is devoted to the study of infectious diseases which may be transmitted by dentists and to which they are particularly susceptible, e.g., tuberculosis, hepatitis and HIV.

Oral Immunology. This course provides a comprehensive treatment of basic immunologic concepts as they relate to clinical disease states. The aim of the course is to give students a framework upon which they can build an understanding of disease processes relating to the immune system. Most diseases have an immunologic component, and many of the new therapies involve treatments which influence the immune system. Thus, in addition to basic information, the course focuses on defense against infection, hypersensitivity states and allergy, immunopathology, and transplantation.

Pharmacology & Physiology. The dental teaching programs in the department are designed to combine a core of basic knowledge with understanding of fundamental principles. Courses in Physiology and Pharmacology, Pain Management include clinical correlation sessions to connect lecture and reading material to the practice of clinical medicine and dentistry. A combined DMD / PhD program is also offered. In addition, opportunities exist for students and clinicians who wish to pursue research related to any of our Faculty Research Interests. The department is strongly committed to its educational role at all levels, and strives to integrate top quality research with excellence in education.

Dental Physiology This course, given to first year dental students, teaches general principles of human physiology. The application of these principles in the practice of dentistry is illustrated by appropriate examples.

COMMUNITY HEALTH

<http://sdm.rutgers.edu/community/index.html>

Christopher V. Hughes DMD, PhD, Interim Chair

A multidisciplinary group of individuals dedicated to health promotion and disease prevention with the elimination of oral health disparities in the community. The department has received funding to support activities aimed at enhancing oral health knowledge and behaviors, oral health and overall well-being. Disciplines represented within the department include: dentistry, medical sociology, epidemiology, geriatrics, ethics/law, dental public health, practice management, prevention and early detection of oral cancer, and community outreach and service

Culture & Communication in Health Care. This course provides students with an understanding of the etiology, manifestations of, and treatment for dental fear and anxiety. Addressing communication across varying cultural/ethnic groups, as well as managing patients with disabilities and special needs are addressed. This course aims to develop culturally competent dentists who can provide dental services to diverse populations including limited English proficient patients, through provision of care that addresses issues of quality, access, linguistic barriers, adherence and health disparities.

Dentistry in the Community. This course focuses on population and community characteristics that shape the need and demand for dental services. Basic terms and concepts in demography and epidemiology are reviewed. The structure of the national, state, and local populations is examined. The relationship between population composition and the need and demand for oral health care services is discussed. Special attention is focused on the oral health care needs and behaviors of minorities, women and older populations.

Ethics and the Law. This course applies the main sources of law that affect dentistry to real practice problems. Through a study of applicable New Jersey Statutes Annotated, New Jersey Administrative Code, ADA Code of Ethics and relevant court cases, students learn the legal basis governing a dentist's relationship with patients, allied dental health personnel, the State Board of Dentistry and the general public.

Introduction to the Dental Profession. This course orients and introduces the student to the dental profession and its "culture", history, image, attitudes, ethics, professional behaviors and responsibilities, modes of thought and career tracks. The course consists of a series of lectures, small group discussions, and exercises.

Practice Management. This lecture/participation course prepares the student with information related to establish a dental practice. The student gains insight into the workings of a dental practice and learns a systematic approach to designing and organizing a dental practice. The course includes visits to private dental offices to analyze and observe a typical dental practice.

ACADEMIC AFFIARS

http://sdm.rutgers.edu/about/admin_academic-affairs.html

Kim E. Feneseay, DMD, Senior Associate Dean for Academic Affairs

Jeanette DeCastro, PhD, Assistant Dean for Academic Affairs

Introduction to Clinical Dentistry and Clinical Dentistry. These courses are designed to provide first and second year dental students an introduction to clinical dentistry. In five clinical locations, students will be exposed to aspects of clinical practice including: Diagnosis and Treatment Planning, Oral Medicine, Oral Surgery, Orthodontics, Pediatric Dentistry, and Periodontics. During their rotations students will have the opportunity to assist and/or observe postdoctoral specialty training students and predoctoral third year dental students performing dental care.

Basic Science Integration Clinical Dentistry

This course is designed to allow students to utilize critical thinking skills to resolve clinical health problems using state of the art evidence based methodologies and critical appraisal of the literature for clinical decision making.

DIAGNOSTIC SCIENCES

http://sdm.rutgers.edu/departments/diagnostic_sciences/index.html

Steven R. Singer, DDS, Chair

The diagnostic sciences courses are designed to integrate and apply knowledge in the basic sciences in determining the nature of diseases. Students are trained to recognize deviations from normal and to distinguish among oral diseases. Examination procedures and diagnostic methods are taught to formulate a comprehensive treatment plan. These courses include a broad understanding of the principles and applications of ionizing radiation for the diagnosis of orofacial diseases.

Clinical Nutrition. This course is designed to develop the student's understanding and knowledge of the fundamental principles of nutrition in diet as they relate to general and oral health. Competency in clinical application focuses on nutrition risk evaluation and diet evaluation and counseling for prevention, caries, oral diseases and restorative work. Acute and chronic disease implications with reference to diet and nutrition and oral health status are covered. Integration of nutrition services in dental practice, nutrition misinformation and life-span concerns are included along with nutrition/diet guidelines for fitness and health. Epidemiology of diet and oral diseases is discussed as a component of disease history and risk.

Diagnostic Sciences. This course is designed to familiarize the students in utilizing the diagnostic process in diagnosis, prognosis and treatment plans. In addition, the seminars identify and explore areas of knowledge for which learning opportunities may not be available in the traditional curriculum.

Diagnostic Sciences Seminars I & II. The Department offers two seminar programs in the third and fourth years. These seminars are designed to utilize critical thinking and problem solving in formulating diagnoses, prognoses and treatment plans. In addition, the seminars identify and explore areas of knowledge for which learning opportunities may not be available in the traditional curriculum.

Diagnosis & Treatment Planning Clinic I & II. The clinical curriculum in the third and four years is designed to produce a dental graduate with that level of competence in oral diagnosis, oral medicine and treatment planning expected of a general practitioner in dentistry. This includes the utilization of critical thinking in the solving of problems with respect to diagnoses, prognoses and treatment planning.

Diet & Nutrition Intervention in Clinic I & II. This clinical course follows all the didactic Clinical Nutrition courses and provides students the opportunity to practice and demonstrate clinical competency in the performance of diet and nutrition evaluation and education of patients with an emphasis on the medically complex patient.

General Pathology. This course serves as a bridge between the basic and clinical sciences. In this course students learn about the fundamental process that underlie all diseases. Subjects of cellular pathology, inflammation and wound healing, neoplasia, hemodynamic derangements, immune disorders, and genetic disorders will be presented.

Histology. This course forms the basis for understanding disease processes. In lectures and small group sessions, faculty encourage students to correlate the structure and function of organelles, to recognize the similarities and differences among the four basic types of tissues and to appreciate how the arrangement of tissues in the various organs influences their function. Representative light microscopic and electron microscopic specimens from the various organ systems are examined with particular emphasis on the oral cavity.

Oral Medicine. This course presents a comprehensive view of the methodology for recognition, identification and treatment of oral and peri-oral lesions. Emphasis is placed on the identification and management of patients with systemic diseases and with oral manifestation. Consideration is given to the broad understanding of normal and pathologic physiology in order to promote skills required for the practice of modern dentistry.

Oral Medicine Clinic. The clinical rotation is designed to teach the student how to provide general dental care to a population of patients with medically complex conditions. The student will also learn to evaluate and manage oral mucosal lesions, salivary gland disorders and chronic orofacial pain.

Oral Pathology. Methods and principles of diagnosing oral and systemic diseases as related to the oral cavity are covered in course. Gross and microscopic specimens of pathological soft and hard tissue of the oral cavity and surrounding structures are studied in relation to the principles of general pathology.

Oral Radiology I. This course combines lectures and library assignments to communicate basic biomedical and clinical knowledge that supports radiology practice. The students will begin to develop the cognitive skill of radiographic interpretation of normal radiographic anatomy as a prelude to interpreting diseases and abnormalities of the teeth supporting bone, of the oral maxillofacial region.

Oral Radiology II. This course is designed to teach the students the principles of radiologic viewing, selection criteria for choosing films and recognition of the radiographic appearance of restorative materials, dental anomalies, caries and periodontal and periapical disease.

Radiology Clinic. This course consists of twenty clinic sessions. Student expose, mount, label and interpret periapical, bitewing, occlusal and panoramic radiographs. They also participate in group seminars. This clinical experience is done in small groups of 4 to 6 students under close faculty supervision.

Systemic Pathology. This course, presented in the fall trimester of the second year, takes the knowledge learned in General Pathology and applies it to specific diseases of each organ system. Students will learn the causes, pathogenesis, morphology and clinical course of various diseases, and will learn to correlate clinical presentation with pathologic changes at the biochemical, subcellular, cellular and tissue levels.

ENDODONTICS

<http://sdm.rutgers.edu/departments/endodontics/index.html>

Craig Hirschberg, DDS, Chair

Endodontics deals with the prevention, diagnosis and treatment of diseases of dental pulp and periapical tissues. The goal of endodontic treatment is to change the internally infected tooth to an inert viable state so that it may continue to function as an integrated unit in the overall masticatory apparatus.

Principles of Endodontics I. An introductory course in endodontics defines procedures necessary for conventional treatment. Students develop the psychomotor skills required for patient treatment by carrying out simulated procedures in the laboratory.

Principles of Endodontics II. A complete course in the theory and practice of endodontics places special emphasis on the diagnosis and treatment of pulpal disease and the interrelationship of endodontics to all the other dental disciplines.

Endodontics Clinic I & II. Under supervision, students apply the principles and techniques acquired in the basic endodontic courses along with basic science knowledge to patient care and management in the clinic.

ORAL AND MAXILLOFACIAL SURGERY

<http://sdm.rutgers.edu/departments/oral-surgery/index.html>

Vincent B. Ziccardi, DDS, MD, Chair

The Department of Oral and Maxillofacial Surgery provides didactic and clinical instruction in the diagnosis and surgical management of diseases and disorders of the oral and maxillofacial region. The science of pain and anxiety control is taught along with necessary adjunct information in the evaluation and management of medically compromised patients and medical emergencies. Clinical instruction is provided in both ambulatory office and hospital settings.

Advanced Techniques of Pain Control. This course is designed to provide the dental student with a basic introduction to advanced modalities of pain and anxiety control. The spectrum of pain and anxiety control in the management of dental patients will be presented.

Advanced Topics in Oral & Maxillofacial Surgery. This course provides basic knowledge of conditions treatable by major surgical intervention in the maxillofacial region that is typically provided by oral and maxillofacial surgeons. Emphasis is placed on counseling patients regarding the utility and expected outcome of these surgical procedures. Management of soft and hard tissue pathology, facial trauma and dentofacial deformities are discussed. The student is provided the opportunity to observe the various surgical procedures in the operating room at University Hospital.

Clinical Medicine. Diseases and malfunctions of the major organ systems and how they can compromise the safe delivery of dental care are studied. Special emphasis is placed on a systematic approach to health evaluation including history taking, assessment of vital signs and performing physical examinations appropriate to the dental office. Prevention and management of medical emergencies are also provided.

Fundamentals of Oral & Maxillofacial Surgery. This course is an introduction to the principles of exodontia and minor oral surgery. It is designed to prepare the student for oral surgery clinical rotations and eventually oral surgical principles for general practice. The course covers patient assessment, surgical armamentarium and surgical procedures such as exodontia, preprosthetic surgery, implantology, and treatment of minor oral and maxillofacial pathology.

Oral & Maxillofacial Surgery Clinic I & II. Third and fourth year students are assigned to clinical rotations to observe and to provide surgical treatment of patients requiring dentoalveolar surgery and the management of odontogenic infections. Proficiency in patient evaluation and surgical techniques is stressed. Rotations at the hospital provide the opportunity for the student to gain experience in hospital protocols for patient care. This can include students taking evenings on-call at the hospital to allow familiarization with the operation of a major university hospital emergency suite.

Pain Control. The course provides an introduction to the basic core of local anesthetic theory and techniques. Anatomy of the head and neck will be stressed throughout the course with a review of the trigeminal nerve anatomy and related structures. A detailed discussion of injection techniques and patient positioning will also be presented.

ORAL BIOLOGY

<http://sdm.rutgers.edu/departments/oral-biology/index.html>

Daniel H. Fine, DMD, Chair

The Oral Biology Department participates in teaching and research responsibilities in both the dental and medical schools. The goal of our teaching and research programs in oral biology is to understand the etiology and pathogenesis of oral infectious diseases. The faculty members focus on the biological principles of diseases that affect the oral cavity, on both a clinical and molecular level.

The Department of Oral Biology is dedicated to developing effective new methodologies for the teaching of diverse areas such as cranio-facial pain, the microbiology and humoral aspects of periodontal disease, the etiology, histology and epidemiology of caries and the growth and development of the oral cavity. Departmental predoctoral courses include:

Analyzing the Evidence in Dentistry

This course will develop critical thinking skills, introduce methods of collecting and analyzing evidence and applying research methodology to clinical decision-making and practice. Part of this course will focus on the fundamentals of epidemiology and its application to understanding the distribution of oral diseases in human populations. Students will become familiar with the distribution of oral diseases as well as oral health indices utilized in clinical and population-based research. The course makes extensive use of interactive exercises, examples, and simulations.

Applying the Evidence in Dentistry

This course will teach the students to evaluate and apply evidence from the dental and scientific literature to clinical problem solving. Students will formulate clinical questions based on their dental knowledge and use library resources to gather the available evidence.

Oral Biology. This full year course includes a comprehensive treatment of oral embryology, growth and development, oral biochemistry, oral genetics and oral physiology. It consists of five modules (Growth & Development, Caries, Periodontal Disease, Wound Healing and Orofacial Pain) Each module presents a comprehensive coverage of the biological principles that apply to the clinical practice of dentistry.

ORTHODONTICS

<http://sdm.rutgers.edu/departments/orthodontics/index.html>

Thomas Cangialosi, DDS, Chair

Orthodontics is the area of dentistry concerned with the supervision or guidance of the growing dentofacial structures and the correction of mal-aligned skeletal and dental units resulting from disproportional growth or dysfunctional habits. Major responsibilities of orthodontic practice include the diagnosis and treatment of all forms of malocclusion. The design, fabrication and application of both removable and fixed appliances, as well as functional appliances, are the means employed by orthodontists to attain and maintain optimum occlusal relations in physiologic and aesthetic harmony with cranial and facial structures.

Orthodontic Lecture Series. This course covers the following topics: classification of malocclusion, growth and development, cephalometrics, model analysis, space analysis, fixed and removable appliances, diagnosis and treatment planning, habit control, cleft lip and palate, surgical orthodontics and orthodontic armamentarium and materials.

Preclinical Orthodontic Laboratory. This clinical preparatory course introduces the students to the fabrication and application of fixed and removable orthodontic appliances. These techniques are applied in tooth-moving typodonts to gain an experience as close to the clinical situation as possible.

Clinical Orthodontics I & II. Didactic and preclinical laboratory skills are applied in this clinical course in the treatment of patients, including interceptive and preventive orthodontics diagnosis, treatment planning and actual treatment of the patient requiring limited orthodontic therapy. At the conclusion of this course, the student will be able to: perform a complete craniofacial and dental examination; diagnose the etiology and severity of a developing or existing malocclusion; effectively communicate treatment options to patients, peers and other specialists; and make appropriate specialty referrals when cases with limited orthodontic needs are beyond the scope of the general practitioner; and deliver limited orthodontic therapy.

PEDIATRIC DENTISTRY

<http://sdm.rutgers.edu/departments/pediatric/index.html>

Christopher V. Hughes DMD, PhD, Chair

Pediatric dentistry is an age-defined specialty that provides both primary and comprehensive preventive and therapeutic oral health care for infants and children through adolescence including those with special health care needs.

Pediatric Dentistry. This didactic course is presented in the third academic year. During the fall trimester, an introduction to basic techniques is offered which includes patient management, diet counseling, local anesthesia, restorative procedures, space management, pulp therapy and treatment of trauma. During the spring trimester, advanced areas of pediatric dentistry are presented including treatment planning, sedation, nitrous oxide analgesia and treatment of handicapped patients.

Pediatric Dentistry Clinic I & II. Students are rotated to the clinic one half-day each week. During the third year, the student performs routine procedures; during the fourth year, the student receives experience with more complex procedures, including the treatment of the handicapped.

PERIODONTICS

<http://sdm.rutgers.edu/departments/periodontics/index.html>

Andrew Sullivan, DDS, Chair

Periodontics is that branch of dentistry which deals with the study and treatment of diseases of the gingivae and supporting structures of the teeth.

Introduction to Periodontics and Preventive Dentistry. This didactic course consists chiefly of lectures with some case presentations. It mainly covers the anatomy and histology of the periodontium, etiology and classification of periodontal disease, etiology of dental caries, risk factors associated with periodontal disease, risk factors associated with dental caries, microbiology of periodontal disease and cariology, examination, diagnosis and treatment planning, Phase I therapy, evaluation of oral hygiene products, ADA classification, methods and technique for home care, adult prophylaxis and scaling and root planning and the benefits of fluoride.

Periodontics II

This course deals in depth with the pathologic conditions of the periodontium. Diagnosis, prognosis, and early treatment are stressed.

Periodontics III

This didactic course deals with the surgical treatment of periodontal disease and the relationship of occlusion, nutrition, and other factors to the disease process. The course will give the student the basis for diagnosing and treatment planning a periodontal case and choosing the appropriate periodontal therapy.

Periodontics IV

This didactic course consists chiefly of lectures which are clinical case presentations. It will cover treatment planning and cases, which are treated with Phase I and Phase II periodontal procedures.

Periodontics Clinic I & II. The clinical program is based on a comprehensive care system. Each student performs periodontal treatment on cases assigned during the third and fourth years.

Preventive Dentistry Clinic I & II. These courses strive to produce a dental graduate with a level of competence in: managing basic prevention cases with diagnosis, periodontal charting and risk assessment, caries charting and risk assessment, use of indices for modified plaque and for bleeding points, performing an oral prophylaxis including the use of hand instrumentation as well as ultrasonic instrumentation and polishing, local and/or systemic chemotherapeutic/fluoride therapy, oral hygiene home care instructions, and application of home care aids.

Further information on pre-doctoral courses is available at
<http://sdm.rutgers.edu/departments/periodontics/predoc-did.html>

RESTORATIVE DENTISTRY

<http://sdm.rutgers.edu/departments/restorative/index.html>

Steven M. Morgano, DMD, Chair

The Department of Restorative Dentistry has a broad range of responsibilities. Interdisciplinary and multi disciplinary in nature. The mission of the Department is to promote professional standards of excellence among students and health professionals in meeting the oral health needs of the population, and provide knowledge and training to educate a general dentist with broad skills.

Basic Clinical Skills. This introductory course introduces students to the dynamics of the doctor/patient relationship through numerous rotations in most phases of clinical dentistry. The course is designed to allow early patient contact by applying material from lecture and laboratory and to familiarize the student with policies and procedures of the clinics.

Basic Dental Anatomy Didactic & Laboratory. This course prepares the student to recognize and demonstrate knowledge of basic dental terminology and the morphological characteristics of all primary and secondary teeth. Students perform laboratory exercises in identification and carving of teeth. This course is presented in a lecture/laboratory format.

Complete Dentures I Didactic. This first year preclinical course introduces freshmen students to complete denture prosthodontics. The content focuses on the sequential clinical and laboratory steps involved in the fabrication of complete dentures. The lecture format closely follows the clinical and laboratory steps from initial impressions to post-insertion adjustments.

Complete Dentures I Laboratory. This first year preclinical course focuses on both the laboratory and clinical aspect of complete denture fabrication. The clinical simulation uses manikins. The course closely follows the sequential clinical and laboratory steps for the actual clinical environment.

Complete Dentures II. This second year course has scheduled class time divided between preclinical laboratory assignments and clinical treatment of a patient. The first quarter of the course is a preclinical tooth setting project and practical dedicated to the monoplane arrangement of denture teeth. Lectures, in support of this philosophy of denture occlusion, are presented concurrently with the laboratory exercises. The remainder of the course focuses on the clinical fabrication of complete dentures.

Esthetic Dentistry. At the completion of this course, the student will have assimilated a body of knowledge that will enable him/her to apply basic principles of esthetic dentistry during diagnosis, treatment planning and therapy commonly seen in a general dental practice. Emphasis will also be

placed on how to apply these concepts as well as CAD/CAM dentistry in the management and treatment of patients.

Fixed Prosthodontics Clinic. In this fourth year course, students progress to more difficult procedures for the fixed replacement of teeth. They are expected to increase both qualitatively and quantitatively their clinical activities in fixed prosthodontics to prepare for the variety of experiences that will be found in clinical practice. Students must pass a mock board examination which simulates State Board exams. Students must also pass a competency exam in Fixed Partial Dentures.

Operative Dentistry Clinic I. In this course, the student begins performing less complicated restorative procedures then gradually moves to treating patients with increasingly more complex problems. Amalgam, cast gold and esthetic restorations are utilized in restoring teeth to physiologic form and function.

Operative Dentistry Clinic II. This course focuses on advanced clinical restorative procedures. The students' treatments are primarily involved in the fabrication of complex gold restorations, cosmetic restorations and amalgam restorations. Students demonstrate skill attainment by passing competency examinations.

Implant Dentistry I. This course is designed to provide students with a basic understanding of osseointegration and the biocompatibility of titanium implants, the procedures involved in the surgical placement of titanium screw implants and the procedures involved in the prosthetic rehabilitation of implant patients.

Implant Dentistry II. This is designed to provide students experience in advanced surgical techniques in the design and placement of implant fixtures. This course also places special emphasis on treatment options available for replacement of missing teeth.

Occlusion Didactic and Laboratory. This is a first year foundation course which prepares the student to recognize and demonstrate knowledge of basic principles of occlusion. Students perform laboratory exercises on dental articulators.

Preclinical Fixed Prosthodontics Didactic and Laboratory. The goal of this second year course is to introduce students to the rationale and scientific basis for fixed prosthodontic treatment. This course consists of a series of lectures and laboratory exercises. Development of skill in clinical procedures including biomechanical principles of tooth preparation, restoration of severely broken down teeth and replacement of missing teeth are emphasized.

Preclinical General Dentistry I Didactic & Laboratory. This course provides the student with the fundamental principles of cavity preparation and restoration of teeth. Laboratory procedures are designed to simulate clinical conditions. Patient simulators are used routinely to facilitate psychomotor development in operative dentistry skills.

Preclinical General Dentistry II Didactic & Laboratory. Further instruction is given to prepare students for clinical work. Advanced procedures include esthetic/cosmetic restorations, cast gold, pin restorations; variations in technical procedures for the fabrication of cast gold restorations are provided.

Preclinical Interdisciplinary Restorative Dentistry Didactic and Laboratory. The program consists of a combination of lecture, laboratory, clinical and group seminar sessions over a period of eleven weeks in an effort to integrate aspects of fixed and removable partial dentures, immediate complete dentures and occlusion while demonstrating how prosthodontic disciplines are complemented by other dental disciplines. A problem-solving format is utilized. Students clinically obtain diagnostic casts and mount these casts using jaw relation records.

Prosthodontics Clinic. In this third clinical course, students are introduced to a variety of basic fixed, removable and complete denture prosthodontic experiences, which serve as the foundation for clinical practice. Students fabricate posts and cores and individual crowns, gradually expanding treatment procedures to include construction of various fixed partial dentures.

Removable Partial Dentures Didactic and Laboratory. This second year course presents theories and techniques related to the fabrication of removable partial dentures with extracoronal direct retainers. Specific areas such as component parts, design and treatment planning, making impressions and casts, mounting casts onto an articulator, and occlusion and fabrication of removable partial dentures are covered.

Removable Prosthodontics Clinic. In this fourth year course, students increase their Removable Prosthodontics activity by becoming involved in more complex complete and removable partial denture cases, including overdentures and immediate/transitional dentures. Attachments are also encouraged in overdenture therapy. Students must pass a competency exams in both Complete and Removable Partial Dentures. Students are expected to complete their work with less faculty input and in less time. Students also must pass Mock Boards which simulate the regional and state boards.

Restorative Materials and Procedures. This course is given in the third year. In this course, General Dentistry, Prosthodontics and Biomaterials contribute equally to a series of lectures in both the winter and spring trimesters of the third year. The materials commonly used in general dentistry and fixed and removable prosthodontics are explored in the context of clinical application, material selection, proper manipulation and biocompatibility.