



UNIVERSITY OF THE
PACIFIC
Arthur A. Dugoni
School of Dentistry



2008/2010

CATALOG



www.dental.pacific.edu

Welcome

The Dean

Welcome to the University of the Pacific, Arthur A. Dugoni School of Dentistry. It is a pleasure for me to welcome the class of 2011, the third class to matriculate since I assumed the deanship of this remarkable institution. I look forward to working with you as you embark on a promising and invigorating career in oral health.

This is an exciting time to be an oral health care professional. Educators, researchers, and practitioners are confronting significant issues that impact the oral health and health care of the U.S. population. Access to care, disparities in oral health and health care, racial and ethnic diversity in the profession, and the needs of disadvantaged populations are major challenges we face. As students at Pacific you will gain awareness of these critical matters. In your senior year you will rotate through extramural clinics that will supplement your clinical training and enhance your ability to develop sound doctor-patient relationships. You will provide care to the chronically ill at Laguna Honda Hospital, to the geriatric population at San Mateo Medical Center, to the homeless through Project Homeless Connect, in addition to providing general dentistry at LaClinica, OnLok, and Sonrisas clinics. You will learn that as an oral health care provider you can have a positive impact on the oral health of patients and that you can help shape the communities in which you live and practice.

You will be mentored and guided along the way by an experienced, dedicated faculty. Course directors, row instructors, advisors, clinical faculty, Group Practice Administrators and Mentors are all committed to assisting you to become the best and most up-to-date professional you can be. They will treat you as a colleague but will challenge you to engage fully in the educational program and to manage your learning. The Pacific faculty embodies the student-centered, humanistic approach to education that makes Pacific unique among U.S. dental schools.

You are entering the profession at an exciting and unique time. Changes in licensing, dental materials and techniques, and patient demographics will continue to shape the profession in the next decade. I wish you the best as you begin your career in this dynamic profession.

Patrick J. Ferrillo, Jr., DDS
Dean and Professor of Endodontics
Arthur A. Dugoni School of Dentistry

The President

Welcome to the University of the Pacific, California's first institution of higher education.

Since its founding in 1851, Pacific has earned widespread recognition for its many innovations. We are the first to offer three-year programs in dentistry and pharmacy, the first to guarantee completion of a bachelor's degree in four years, and the first to promise that every student who wants an internship, co-op, or clinical experience will receive one.

Pacific enjoys a position of prominence among the nation's doctoral universities. We are known for providing a distinctive, highly-personalized education which prepares students for lasting achievement and responsible leadership in their professions and communities.

Founded in 1896, University of the Pacific's Arthur A. Dugoni School of Dentistry has earned an international reputation for educating students within a humanistic philosophy that respects the dignity of each individual and fosters limitless potential for growth.

This is truly an exciting time to become a part of Pacific. You are joining an extraordinary community of people who are passionate about their university, their professions, and their communities. We look forward to welcoming you to this great University.

Donald V. DeRosa
President, University of the Pacific

Salary and Employment Information

To the best of our knowledge, all licensed graduates of the class of 2006 seeking employment in dentistry found placement upon obtaining licensure.

The American Dental Association's Bureau of Economic and Behavioral Research's Survey of Dental Practice indicates that the mean net income from primary practice for all independent dentists in 2004 was \$206,960.

Reservation of Powers

The School of Dentistry reserves the right to modify or change the curriculum, admission standards, course content, degree requirements, regulations, policies, procedures, tuition, and fees at any time without prior notice and effective immediately. Such changes or modifications will be posted in the online catalog, the source of the most current catalog information, at dental.pacific.edu.

The information in this catalog is not to be regarded as creating an express or implied agreement between the student (or applicant) and the school, nor does its contents limit the academic and administrative discretion of the school's administration.

History and Educational Goals

One of the world's most distinctive metropolitan centers, San Francisco has been the home of the School of Dentistry since its incorporation in 1896 as the College of Physicians and Surgeons. The school has been recognized since its inception as a major resource for dental education in the Western states.

- In 1962 the College of Physicians and Surgeons joined the University of the Pacific.
- In 1967 an eight story building was completed for the teaching of clinical dentistry and for conducting dental research. Equipment and facilities are constantly updated, setting the pace for new and better methods of educating students and providing care to patients.
- In 1996 the school opened a state-of-the art preclinical simulation laboratory combining the latest in educational technology with a simulated patient experience.
- In 2002 three new state-of-the-art classrooms were completed.
- In 2004 the university renamed the dental school in honor of its long-standing dean, Dr. Arthur A. Dugoni.
- In 2006 President DeRosa appointed Dr. Patrick J. Ferillo, Jr., dean of the school.

The Alumni Association provided a twelve operatory dental clinic which has served as the school's major extended campus in southern Alameda County since 1973. The clinic was completely remodeled in 2002 and currently serves as one of three

sites for the school's Advanced Education in General Dentistry residency program. The university also purchased and renovated a building within seven blocks of the school to help meet student needs for reasonably priced housing. The facility houses 126 residents in 66 apartments and provides a contemporary dental technical laboratory, a physical fitness center, and study rooms for use by residents.

In July 2003 a new Health Science Center was opened on the Stockton campus combining facilities for dentistry, dental hygiene, physical therapy, and speech pathology.

The University of the Pacific is fully accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges. The dental educational programs are fully accredited by the Commission on Dental Accreditation. The School of Dentistry is a member of the American Dental Education Association.

Vision, Mission, and Values Statements

Vision:

Leading the improvement of health by advancing oral health.

The mission of the School of Dentistry is to:

1. Prepare oral healthcare providers for scientifically based practice
2. Define new standards for education
3. Provide patient centered care
4. Discover and disseminate knowledge
5. Actualize individual potential
6. Develop and promote policies addressing the needs of society

Core Values that characterize the School of Dentistry and define its distinctive identity are:

Humanism: dignity, integrity, and responsibility

Innovation: willingness to take calculated risks

Leadership: modeling, inspiring, and mobilizing

Reflection: using facts and outcomes for continuous improvement

Stewardship: responsible use and management of resources

Collaboration: partnering for the common good

Philanthropy: investing time, talent and assets

Clinic Mission Statement

The mission of the school's clinics is to provide patient-centered, quality oral healthcare in a humanistic educational environment.

The goal of the clinic mission statement is to focus faculty, staff, and students on the delivery of excellent patient care. In all clinical interactions we will strive to provide excellent care of our patients and excellent educational experiences for our students. At those times when we must make a choice between patient care and teaching effectiveness, patient care will take precedence.

There are three parts to the mission statement. Patient-centered care means being prompt, efficient, responsible, engaged, focused, and adaptable, among other things. The private practice model is the patient care model to which we aspire. Quality oral healthcare involves providing treatment to our patients that meets community standards of care in all disciplines. It means providing that care to patients of varying needs and expectations. Humanistic education is based on honest communication of clear expectations along with positive support for diligent effort.

Faculty and staff must be models of the profession's highest standards. Students are expected to set equally high standards for their behavior. The educational environment will be intellectually stimulating, progressive in scope, outcomes-focused, and competency-based.

Curriculum

Basic biomedical, preclinical, and clinical science subjects are integrated and combined with applied behavioral sciences in a program that prepares graduates to provide excellent quality dental care to the public and to enter a changing world that will require them to be lifelong learners. The thirty-six month curriculum leading to the degree of Doctor of Dental Surgery begins in July and is divided into twelve quarters, each consisting of ten weeks of instruction, one week of examinations, and a vacation period of varying length (between one and four weeks).

During the first quarter, students practice use of dental instruments and materials, working position and posture using direct and indirect vision, and basic dental laboratory procedures, and are introduced to study and test-taking skills and methods of time management that will assist them in succeeding in the professional curriculum. Biomedical science instruction in human anatomy, biochemistry, physiology, pharmacology, and microbiology is offered in the first eight quarters, followed by multidisciplinary presentations of basic science foundations for clinical topics such as the importance of saliva, tissue aging, nutrition, and infection control. Throughout the curriculum, students learn

application of basic sciences to biomedical problems of dentistry using the scientific method of inquiry.

Preclinical instruction is concentrated in the first four quarters with students learning to work from a seated position in a state-of-the-art preclinical simulation laboratory and with a chairside assistant in conjunction with pediatric dental practice. Clinical work with patients is initiated in the fourth quarter.

The school is a pioneer in competency-based dental education—an approach that replaces the traditional system of “clinical requirements” with experiences that ensure graduates possess the skills, understanding, and professional values needed for the independent practice of general dentistry. Pacific is also known for its humanistic approach to dental education, stressing the dignity of each individual and his or her value as a person.

The school’s comprehensive patient care program is based on the concept of private dental practice where the student assumes responsibility for assigned patients’ treatment, consultation, and referral for specialty care. Second-year students practice clinical dentistry fifteen hours per week, learning to provide comprehensive dental care under the direction of group practice administrators and multidisciplinary faculty from diagnostic sciences, periodontics, endodontics, orthodontics, removable prosthodontics, and restorative dentistry.

Third-year students practice clinical dentistry approximately thirty-three hours per week and provide care to all patients in his or her patient population. Occasionally other caregivers, a second- or third-year student or resident, complete certain procedures in any treatment plan. This is done through the Group Practice Administrator (GPA) and requires the approval of the patient. The student dentist originally assigned to provide care to the patient maintains responsibility for care during all treatment provided by other students or residents.

In the third year clinic, the group practice mentor (GPM) supervises ODTP, emergencies, operative, and fixed prosthodontics, including test cases. There are three GPMs in each group practice during a clinic session and students work with all three mentors during the course of most appointments. The GPM monitors the progress of care and completes periodic case reviews with the patient and the student. The complex care clinic allows students to treat technically difficult restorative cases under the supervision of a trained prosthodontist with a low student to faculty ratio.

The second- and third-year class is divided alphabetically into four groups. Each group practice is managed by a Group Practice Administrator, who has responsibility for the care of patients by all students and faculty in the group practice. The other clinical disciplines are managed by faculty who do not have specific responsibility for a certain group of students. Specialists in endodontics and removable prosthodontic manage all of those cases in specified areas of the clinic, including test cases. Periodontists manage periodontal procedures.

Oral and maxillofacial surgery, implantology, pediatric dentistry, and radiology are learned in respective specialty clinics. Doctoral students participate with faculty and orthodontic residents in adjunctive orthodontic care and in oral development clinics.

Advanced clinical dentistry and evaluation of new developments and topics that involve several disciplines are learned in the third year in conjunction with patient care. Second and third- year students participate in patient care at a number of extramural sites. These clinics are located in numerous treatment facilities throughout the Bay Area and beyond, and include hospitals, community clinics, and skilled nursing facilities. Pacific currently has affiliations with 24 clinics, a figure expected to grow in the future. At extramural clinic sites students are taught by Pacific faculty in conditions that more closely resemble private practice. Students typically treat 4-6 patients during the course of a day. Rotations at these sites occur at a number of different times, including weekdays during the academic year, weekends, and vacation periods. Students typically find these experiences to be highly educational, teaching them how to provide excellent patient care in a more condensed time frame.

Behavioral science aspects of ethics, communication, human resource and practice management, and dental jurisprudence are integrated throughout the curriculum. Epidemiology and demography of the older population, basic processes of aging, and dental management of hospitalized patients, geriatric patients, and those with the most common disabling conditions are studied during the third year.

Students are counseled individually with regard to establishing a practice and applying for postgraduate education. A weekend conference devoted to new developments in dentistry serves to acquaint students with opportunities for postgraduate education and with alumni views of the realities of dental practice.

Units of Credit

One unit of credit is awarded for ten hours of lecture or seminar, twenty hours of laboratory or clinic, or thirty hours of independent study per term. Students are assigned to comprehensive care clinics for approximately 500 hours during the second year and 1,000 hours during the third, in addition to specialty clinic rotations. Units of credit are assigned in the comprehensive care clinical disciplines in proportion to time students provide specific types of care for assigned patterns.

Humanistic Education at Pacific

It is the goal of the School of Dentistry to educate the highest quality practitioners who can practice independently and successfully in their patients' best interests. It is our belief that a humanistic approach to education best accomplishes this goal. Our view of humanism is based upon honest communication of clear expectations

along with positive support for diligent effort. Although kindness is valued, humanism is not interpreted to mean softness, weakness, or superficial niceness. In fact, humanism places great responsibility on each member of the dental school community.

In order for this approach to work, faculty members must be models of the profession's highest standards, and they must teach in a way that encourages and energizes students. Students, in turn, are expected to set very high standards, to work hard, and to take personal responsibility for their own learning process.

Humanistic student-faculty interaction

Includes	Excludes
Good work ethic	Minimum effort
Constructive feedback	Authoritarian behavior
Maintaining confidentiality	Public criticism
Addressing the issue	Ignoring the problem
Celebrating achievement	Dwelling on the negative
Excellence	Expedience
High ethical standards	Ethical compromise
Professional responsibility	Avoiding responsibility
Increasing independence	Continued dependence
Attainment of competency	Tolerance of inability

School of Dentistry Competency Statements (predoctoral)

(as approved by the Curriculum Committee, May 2007)

Preamble

Competencies are written statements describing the levels of knowledge, skill, and values expected of graduates. In addition to these competencies expected at graduation, there are other components of the curriculum – foundation knowledge and skills – that are also required of students as part of their educational program. These are normally defined as learning objectives in individual courses.

In regard to oral disease detection, diagnosis, and prevention

1. Establish and maintain patient rapport
2. Perform a complete patient work-up, to include history and physical, laboratory, and radiographic examinations
3. Interpret findings from the complete patient work-up and present them in a standardized format
4. Determine differential, provisional, and definitive diagnoses
5. Determine and consider patient's dental, medical, and personal situations in evaluating the range of dental theories appropriate for that individual
6. Combine diagnostic and prognostic data with a science base and patient's values to form an individualized, comprehensive, sequenced treatment plan
7. Discuss treatment plans with patients and caregivers, including presentation of findings, alternatives, risks and benefits, and obtain informed consent from them
8. Modify ongoing treatment plans based on changed circumstances
9. Make referrals to dental and medical colleagues and, in conjunction with them, manage patients' care
10. Use preventive strategies to help patients maintain and improve their oral health

In regard to treatment of dental diseases and abnormalities

11. Restore single teeth for therapeutic reasons
12. Treat patients who have missing teeth with simple fixed, removable, and implant-supported prostheses
13. Oversee long-term care for patients with dental prostheses
14. Work with commercial laboratory support associated with restorative treatment
15. Fabricate nightguard appliances to protect the dentition
16. Address simple cosmetic concerns

17. Prevent and treat pulpal inflammations using direct and indirect procedures
18. Perform uncomplicated endodontic therapy on permanent teeth
19. Treat plaque-induced gingivitis, mild chronic periodontitis, and other conditions requiring uncomplicated periodontal therapy
20. Recognize and treat or refer moderate to severe chronic periodontitis, aggressive periodontitis, and other conditions requiring complicated periodontal therapy
21. Assess results of periodontal treatment
22. Recognize and refer dental malocclusions and disturbances in the development of dentition
23. Perform simple and surgical tooth and root extractions
24. Treat simple and recognize and refer complex complications related to intraoral surgical procedures
25. Treat simple and refer complex oral bony abnormalities
26. Treat simple and refer complex oral mucosal abnormalities
27. Administer and prescribe medications commonly used in dentistry, including local anesthesia, and manage their complications
28. Recognize and respond to intraoral emergencies
29. Recognize and respond to medical emergencies occurring in the dental office
30. Perform CPR

In regard to customized treatment of dental diseases and abnormalities

31. Treat patients with special needs who do not require hospital adjunctive care as part of treatment
32. Recognize oral healthcare needs, refer, and ensure follow-up treatment for patients with complex disabilities and medical conditions
33. Involve caregivers, guardians, and other health and social service professionals in managing the oral health of patients
34. Perform treatment for children in a manner that incorporates consideration of their expected growth and development
35. Counsel patients on lifestyle habits that affect oral health

In regard to health care delivery and practice management

36. Function as a patient's primary and comprehensive oral health care provider

37. Prepare and use complete and accurate records
38. Use current infection and hazard control measures in dental practice
39. Practice four-handed dentistry
40. Direct services of dental auxiliaries
41. Develop a philosophy of practice
42. Develop a plan incorporating dental practice management principles
43. Participate in quality assurance systems
44. Practice consistent with sound business principles and legal requirements and regulations
45. Evaluate oral health care delivery and payment systems in terms of their impact on patients, dental practices, and the profession

In regard to personal development and professionalism

46. Diagnose and treat only within one's competence
47. Recognize moral weakness, uncertainty, and dilemmas in dental practice and practice in accordance with normative ethical principles
48. Recognize signs of abuse and neglect and take appropriate action
49. Communicate with patients, staff, and others in an empathetic and culturally competent manner
50. Participate in activities designed to improve the health of communities
51. Participate in organized dentistry
52. Assume active responsibility for one's lifelong learning
53. Use information technology for dental practice
54. Evaluate scientific, lay, and trade information and claims about new products and procedures
55. Think critically, solve problems, and base dental decisions on evidence and theory

Course Descriptions

Course descriptions are grouped by department. Courses are numbered by year: first-year courses in the 100s, second-year courses in the 200s, and third-year courses in the 300s. Quarters during which a course is offered in the DDS program are indicated in parentheses following course titles. (For the sequence of courses in the IDS program, please see pages 20-23). Units of credit are listed separately for clinical courses offered during second and third years, e.g. EN 259, 359 Clinical Endodontics (5-8; 9-12) (4 units, 8 units).

From the fourth through twelfth quarters, students must enroll in selective instruction each year which serves to extend basic knowledge and skills in a discipline. A listing of selective course offerings is distributed during the winter or spring quarter. Advanced topics and experiences in selected basic, clinical, and behavioral science disciplines are offered (10 to 40 hours per year, 0.1-1.0 units per course). If additional work is needed to reach competency in previously completed courses, supplemental instruction offering additional customized and intensive instruction in targeted didactic, laboratory, and clinical competencies will be offered by the faculty.

Anatomy (AN)

Faculty

Chairperson: Dorothy T. Burk

Professors: Anderson, Budenz, Chamberlain (emeritus)

Associate Professors: Burk

Assistant Professors: Asadi, Dechant, Richards

Instructors: Turner

AN 110

Human Anatomy I: Cells to Systems (1)

The student will gain an understanding of cell biology, histology, and gross anatomy of the human body as appropriate for professional health care providers. Emphasis will be on the integration of anatomical knowledge at all levels and its correlation with basic clinical medicine relevant to dentistry (45 hours lecture, 40 hours laboratory, 25 hours seminar/case discussion, 7 units).

AN 111

Human Anatomy II: The Orofacial Complex (2)

The student will gain an understanding of the embryology, histology, neuro-, and gross anatomy of the head and neck as appropriate for a dental professional. Emphasis will be on the integration of anatomical knowledge and its correlation with oral medicine and clinical dentistry (30 hours lecture, 40 hours laboratory, 20 hours seminar/case discussion, 7 units).

Biochemistry (BC)

Faculty

Chairperson: Alexander J. Murphy

Professors: Highsmith, Murphy

BC 114

Biochemistry (1-3)

Study of major molecular structures and processes of the human organism including structure, function, and biosynthesis of the informational macromolecules, proteins and nucleic acids; generation and storage of metabolic energy; structure, genesis, and transformations of mineralized tissues; and digestion, absorption, and utilization of required nutrients (60 hours lecture, 6 units).

Dental Practice (DP)

Faculty

Chairperson (interim): Cindy Lyon

Professors: Budenz, Chambers, Glassman, Graves (emeritus) Peltier, Thomassen (emeritus)

Associate Professors: Chi, Cohan, Hanson, Hayashida, Miller, Nielsen, Young

Assistant Professors: Alexander, Arendareff, E. Bedrossian, Braun, F. Brucia, J.

Brucia, Cadra, Carbone, Caturay, Chann, Chow, Chun, Crowe, Curley, Curtis, Dukes, Fendler, Fong, Gordon, Harding, Hailey, Hoover, Itaya, Jue, Julian, Kalebjian, Kirk, Kokas, Lambert, Magtoto, Martinez, Marweg, Masangkay, Mendez, Mikulic, Park, Purcell, Rahn, Robins, Salmon, Saroyan, Shirani, Silvestri, Soderstrom, Subar, Surabian, Sweeney, Thornton, L. Tran, van Dyk, A. Wong, Woodson

Instructors: Asselin, Brisbin, Chew, Farahmand, Fessler, Fiorentino, Gifford, Gutierrez, Harmeson, Jennings, C. Lee, Lindblom, Madderra, Mangrum, Mock, Mostovoy, Naeimi, Ng, Qureshi, Tyler, L. Wong, Wu, Xiao

DP 101

Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry (1- 3)

The Orientation to the Clinical Practice of General Dentistry course (OCP) is the didactic component of a multi-disciplinary, year-long series of courses designed to prepare students to treat patients in the general dentistry clinic. These courses focus on prevention and community health, diagnostic sciences, periodontology, and behavioral sciences. The case-based simulations are supported by clinical exercises. These courses emphasize community and individual approaches to the preventive aspects of dentistry; community/public health; professional development; trends in the dental profession; the development of a comprehensive medical and dental database and history; understanding of the cause and prevention of dental diseases; diagnostic tests; oral pathology; clinical protocol, the clinic business system and services; ergonomics; infection control; use of instruments, scaling and polishing of teeth; and cultural and patient communication (5 didactic units).

DP 106

Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry Practicum (1- 3)

The Orientation to the Clinical Practice of General Dentistry practicum is a clinically-focused, multi-disciplinary, year-long series of courses designed to prepare students to treat patients in the general dentistry clinic. These courses focus on prevention and community health, diagnostic sciences, periodontology, and behavioral sciences. Supervised case-based simulation and clinical exercises focus on community and individual approaches to the preventive aspects of dentistry; community/public health; risk assessment; professional development; trends in the dental profession; the development of a comprehensive medical and dental database and history; understanding of the cause and prevention of dental diseases; diagnostic tests; oral pathology; clinical protocol; electronic patient record; the clinic business system and services; ergonomics; infection control; use of instruments, scaling and polishing of teeth; and cultural and patient communication (5 lab/clinic units).

DP 107

Integrated Clinical Sciences I: Advanced Clinical Practice of General Dentistry Practicum (4)

Clinical experiences, exercises and practical simulations build on prior OCP courses to continue to develop skills in establishing the therapeutic relationship; communication with staff, faculty and patients; clinical systems, services and protocol; records, financial arrangements, chart documentation; digital photography; management of digital images: the electronic patient record; computer and insurance systems; case evaluation, planning and provision of initial examination; risk assessment and patient education; sequencing of treatment; scaling and polishing; and disease prevention instruction (2 lab/clinic units).

DP 103

Reflective Assessment of Clinical Cariology (2)

This course is a comprehensive overview of diagnosis, detection, clinical management, and prevention of the disease of dental caries, including detailed descriptions of the chemical, biological, and mechanical tooth interactions. Protocols for practical application in private practice as well as Pacific's main dental clinic will be discussed. The course uses personal reflection and metacognition to help students learn critical thinking and evidenced-based decision making skills needed to treat dental caries. In the process students learn how to become better life-long learners. (10 hours lecture, 1 unit).

DP 160

Dental Radiology (2-3)

Study of radiation physics and biology, image quality, intensifying devices, radiation safety, tomography, radiation and the law, radiographic techniques, film

processing, anatomic landmarks, and principles of radiographic interpretations (20 hours lecture, 2 units).

DP 166

Dental Radiographic Technique (4)

Instruction and practice using the extension cone paralleling radiographic technique including patient management, radiation safety, use of equipment, film placement, exposure, processing, identification and mounting, and correction of technical error (20 hours laboratory, 1 unit).

DP 201

Integrated Clinical Sciences II: Application of Foundational Knowledge (6-8)

Multidisciplinary presentation of integrated foundational knowledge related to clinical dentistry. Topics include biomedical sciences, ethics, materials, techniques, and information to each specific discipline of dental practice (4 units, 5 units, 7 units).

DP 216, 316/317

Patient Management and Productivity I, II, III (5-8; 9-10, 11-12)

Development of competency in patient management skills to maximize patient satisfaction. Students learn to use proper verbal and non-verbal communication and listening skills; to respond appropriately to patient and non-patient concerns; to be organized and prepared for tasks and contingencies related to patient care; to complete tasks and treatment in a timely manner; to provide patients with relevant information about prevention of dental disease and treatment options; and to obtain proper informed consent for procedures (8 units; 4 units, 4 units).

DE 218

Clinical Oral Diagnosis and Treatment Planning (5-8)

The diagnosis and communication to the patient of the need for dental treatment; recognizing medical, oral, physical, emotional, and economic factors that modify or complicate dental treatment; and development of comprehensive dental treatment plans suitable for patients' needs in accordance with identified modifying and complicating factors (4 units).

DP 260

Oral Radiographic Interpretation (8)

Introduction to interpretation of normal vs. pathologic radiographic appearance of structure of the maxilla and mandible (10 hours lecture, 1 unit).

DP 266

Clinical Oral Radiology (5-8)

Study of preparation, evaluation, and interpretation of diagnostically acceptable

intraoral radiographic and panoramic surveys for comprehensive care and emergency clinic patients (40 hours clinical rotations , 2 units).

DP 300

Practice Management (10-11)

Study of fundamental concepts and terminology of the art and science of management as a basis for management decisions in dental practice. Particular attention will be given to California dental law and employment risk management. (40 hours lecture, 4 units).

DP 301 Jurisprudence (10)

Study of foundations of the law, its primary groupings and modes, and its application to the dentist and dental practice environment. Particular attention will be given to California dental law and employment risk management. (10 hours lecture, 1 unit).

DP 302

Clinical Care of Complex Needs Patients (9-11)

Study of basic disease processes, epidemiology, demographics, treatment planning, principles of providing dental treatment for individuals with a wide variety of conditions including medical and developmental disabilities, problems associated with aging, psychological problems including dental phobia, hospital organization, joining a hospital staff, providing dental treatment and consultation in a hospital, and principles of general anesthesia (20 hours lecture, 20 hours self-study, 4 units).

DP 303

Integrated Clinical Sciences III: Multidisciplinary Case Based Seminars

Multidisciplinary case based presentations of integrated material related to the practice of clinical dentistry. This three-quarter course builds on the foundational and clinical knowledge base of each student to evaluate and plan more complex treatment needs (6 units).

DP 307

Extramural Patient Care (9-12)

Through a combination of didactic and clinical experiences, this course seeks to prepare the student for practice in community clinical settings where diverse patient populations may be encountered. Upon completion of the course, students will have developed the skills to: perform dental procedures in community-based practice settings, work with diverse patient populations, describe the social context of disease processes, develop social awareness and skills for treating underserved groups, describe dental delivery in a community clinic environment, and develop treatment alternative in clinics with limited resources (90 hours clinical rotations and 4 hours lecture/seminar; 4 units).

DP 318/319

Clinical Judgment and Diagnosis I, II (9-10, 11-12)

Comprehensive care for assigned patients in the disciplines of endodontics, fixed prosthodontics, operative dentistry, oral diagnosis and treatment planning, periodontics, removable prosthodontics, and orthodontics. For each assigned patient, the student examines and evaluates the patient, identifies and lists dental problems, completes an appropriate treatment plan and schedule, provides all dentistry required in the disciplines, and recognizes need for and refers the patient to specialty areas when such treatment is required (approximately 700 hours in clinical disciplines listed, 4 units, 4 units).

DP 320

Preparation for State Licensure (12)

Review of requirements and protocol, and practical exercises in preparation for the Western Regional Examining Board and other licensing examinations (10 hours lecture, 26 hours laboratory and clinic; 2 units).

DP 368

Emergency Clinic (9-12)

The diagnosis and treatment of patients who require immediate attention (90 hours clinical rotation, 3 units).

Endodontics (EN)

Faculty

Chairperson: Alan H. Gluskin

Professors: Borer (emeritus), Ferrillo, Gluskin, O. Peters

Associate Professors: D. Brown, C. Peters, R. Wong, S. Wong

Assistant Professors: Ballard, W. Brown, Ebeid, Fogel, Hovden, Koka, Lavorini, LeVine, Lim, Manoukian, Osnas, Rezai, Rohde, Scott, Stevenson

EN 154

Basic Endodontics (3)

Development of the dental pulp, classification and nature of endodontic disease, clinical diagnosis, and fundamentals of root canal therapy (10 hours lecture, 1 unit).

EN 159

Preclinical Endodontics (4)

Study of pulp morphology, anatomy, cleaning and shaping of root canals; access openings; use of irrigating solutions and intracanal medications; obturating the canal and judging the complete treatment with radiographs (40 hours laboratory, 2 units).

EN 254 Endodontics (7)

Review of endodontic diagnosis and therapy; radiographic interpretation; bleaching vital/nonvital teeth; restoration of endodontically treated teeth; dental trauma; pain control and patient management; endodontic emergencies; endodontic mishaps; and alternate treatments (10 hours lecture, 1 unit).

EN 259, 359

Clinical Endodontics (5-8; 9-12)

Study of endodontic diagnosis, treatment planning, and therapy, including management of endodontic emergencies and surgical endodontics in comprehensive clinical dental practice (4 units; 8 units).

Microbiology (MC)

Faculty

Chairperson: Nejat Düzgünes

Professors: Düzgünes, Konopka

Associate Professor: Papahadjopoulos-Sternberg

Assistant Professors: Gochin

Instructor: Milnes

MC 224 Microbiology (4-5)

The biology of microorganisms that cause disease; the pathogenesis, epidemiology, clinical syndromes, laboratory diagnosis, treatment, and prevention of infectious diseases; microbial structure, metabolism, genetics, and virulence factors; mechanisms of host resistance, chemo therapy, and vaccination; bacteriology, with emphasis on oral microflora; mycology; parasitology; and virology, with emphasis on AIDS, herpes viruses, and hepatitis; molecular diagnostics and recombinant DNA technology (50 hours lecture, 30 hours laboratory; 6 units).

Oral and Maxillofacial Surgery (OS)

Faculty

Professors: Devlin, Indresano, Nattestad

Associate Professors: Ajayi, Bedrossian, Bloom, Breckenridge, Dumas, Farhood, Garibaldi, Javid, Limchaysheng, Nix, Ratner, Sachs

Assistant Professors: Beckley, Boghossian, Chung, Lee, Lyu, Mobati, Sodeifi, Tolstunov, Uy

Director of the Predoctoral Program: Nattestad

OS 139

Preclinical Multidisciplinary Surgery (4)

Study of the principles of mucoperiosteal flap design, biopsy techniques, suturing,

use of flaps, bone removal, and tooth sectioning for exodontia; apicoectomy in endodontic surgery and osseous surgery. Soft tissue grafting in periodontics will also be demonstrated (12 hours lecture, 11 hours laboratory, 2 units).

OS 234

Basic Oral and Maxillofacial Surgery (7-8)

Study of the principles of routine and complicated exodontia, pre- and postsurgical complications, instrumentation, impactions, preprosthetic surgery, biopsy techniques, medical emergencies in the dental office, and medications used in oral and maxillofacial surgery (20 hours lecture, 2 units).

OS 239, 339

Clinical Oral and Maxillofacial Surgery (5-8, 9-12)

Oral and maxillofacial surgical treatment planning and treatment including routine exodontia, incision and drainage, biopsy, mucoperiosteal flap design, sectioning of teeth, and bone removal; utilizing accepted procedures for asepsis; and patient preparation, positioning, and management including obtaining patients' informed consent and proper consideration for medically compromised patients. The student learns to assume responsibility for recognizing limitations of their competence and to refer patients who need more complex surgical treatment to a specialist (1 unit, 2 units).

Orthodontics (OR)

Faculty

Chairperson: Robert L. Boyd

Professors: A. Dugoni (emeritus), Baumrind, Boyd, Poulton, Rutter, Tolarova

Associate Professors: Axelrode, Boero, S. Dugoni, Fallah, Gibbs, Hatasaka, Kaplan, Lieber, Linck, Parker, Picard, Pitts, Redmond, Ricupito, Righellis, Valley

Assistant Professors: Amer, Aubert, Bongiovanni, Carlson, Curry, Derakshsan, Gonzales, Hsu, Sefidpour, Sterental, Torfs, Vogt, Womack

Director of the Graduate Program: Park

Director of the Predoctoral Program: Fallah

OR 144

Human Growth and Development (3)

Study of the basic mechanisms of human growth and development with emphasis on craniofacial development. Study of the development of the dentition and occlusion and introduction to malocclusion and its classification (10 hours lecture, 1 unit).

OR 244

Orthodontics (4-5)

An introduction to orthodontic diagnostic procedures, comprehensive treatment planning, and various treatment modalities as applied to a full range of

malocclusions in a general dental practice. A strong emphasis is placed on the use of the Invisalign appliance and its application in general practice. Other orthodontic appliances covered will be the functional appliance as it relates to early orthodontic treatment and the edgewise appliance in full comprehensive cases. Orthognathic surgical cases will also be reviewed (20 hours lecture, 2 units).

OR 348

Applied Orthodontics (9-10)

A study of standard orthodontic records and their application to diagnosis, treatment planning, and treatment evaluation in the mixed and permanent dentitions. Lateral head films are traced, measured, analyzed, and discussed with regard to norms and growth patterns. Facial soft tissue surface mapping using volumetric imaging technology and 3-D imaging software will be introduced. Students will present cases incorporating dental records, study models, cephalometric analysis, photographs, arch length and tooth size discrepancy analysis to explain diagnostic, treatment planning, and treatment procedures (12 hours seminar, 6 hours graduate orthodontic clinic, 1 unit).

Pathology and Medicine (PM)

Faculty

Chairperson: William M. Carpenter

Director of Health and Safety: Eve Cuny

Facial Pain

Director: Peter Chase

Associate Professor: P. Chase

Assistant Professors: D. Chase, Inouye, Jue

Instructors: Fisk, Scott

Oral Medicine

Director: vacant

Assistant Professor: Freckelton

Pathology (PA)

Professors: Carpenter, Eversole, Jacobsen, Leider (emeritus)

Associate Professor: Merrell

PA 130

Basic Disease Processes (3)

Introduction to basic medical problems that affect dental treatment and

management and the protocol for obtaining a thorough medical history (10 hours lecture, 1 unit).

PA 230

General Pathology (5-6)

Basic concepts of disease are studied, especially with regard to mechanisms, gross tissue changes, microscopic changes in selected instances, and implications and applications of these concepts to dental practice (40 hours lecture/seminar and 75 hours independent study, 8 units).

PA 330

Oral Pathology (7-9)

Study of the etiology, pathogenesis, clinical and histopathogenic features, and the treatment and prognosis of oral diseases. Recognition of basic tissue reaction and lesions that occur in the mouth, jaws, and neck; formulation of tentative diagnoses; methods used to secure definitive diagnoses and provide appropriate therapy and management or obtaining consultation for the same (24 hours lecture, programmed instruction equivalent to 30 hours lecture, and six hours clinical rotation, 5 units).

PA 331

Differential Diagnosis of Oral Diseases (10)

Clinical evaluation, differential diagnosis, and management protocols for oral and paraoral soft tissue and jaw lesions, based on knowledge of the appearance, behavior, and treatment of oral diseases (20 hours lecture, 2 units).

Pediatric Dentistry (PD)

Faculty

Chairperson: A. Jeffrey Wood

Professors: Redig (emeritus), Tocchini (emeritus), Wood

Associate Professors: Sobel, Stuart

Assistant Professors: Barnes, Borrero, Bronzini, Chandwani, Connor, Crippen, Halterman, Hodges, Huston, Jafarnia, Le, Lee, Medoza-Sobel, Miller, Morris, Neves, Peng, Pham, Sackett, Sahouria, Schmitt, Solomon, VanderKam, Yang

PD 146

Preclinical Pediatric Dentistry (3)

This simulation lab based course introduces first-year IDS students to the technical aspects of preparing and restoring primary teeth (10 hours lecture and laboratory 1 unit).

PD 240

Pediatric Dentistry (5-6)

The study of the physical and psychological development of the child; understanding and prevention of dental disease in children; differential diagnosis and treatment of dental and periodontal diseases and abnormalities in children;

and modern concepts of behavioral management in children (20 hours lecture, 2 units).

PD 346

Dental Auxiliary Utilization (6-10)

Rationale and system of procedures for sit-down, four-handed dental practice (84 hours clinical rotations in conjunction with clinical pediatric dentistry, 2 units).

PD 347

Clinical Pediatric Dentistry (6-10)

Study of the diagnosis, treatment planning, and comprehensive preventive and restorative dental treatment for children (84 hours rotations in conjunction with dental auxiliary utilization, 4 units).

Periodontics (PR)

Faculty

Chairperson: William P. Lundergan

Professors: Hall (emeritus), Lundergan

Associate Professors: Alpagot, Barkhordar, Harpenau, Zingale

Assistant Professors: Ahn, Bruce, Bui, Cheema, Francisco, Gunstream, Harmeson, Horlak, Hu, Huang, Lauber, Martinez, Meyers, Milliken, Muller, Pritsky, Ronderos Tognotti, Tsao, Watson, Wong

Instructors: Azevedo, Dornbush, Francisco, Gibson, Havelson, Jones, Marston

PR 150

Periodontal Diseases (4)

Introduction to periodontology, clinical and histopathological features, epidemiology, classification of periodontal diseases, pathogenesis, etiologies of periodontal disease, and risk assessment (10 hours lecture, 1 unit).

PR 151

Periodontics & Periodontal Diseases (1)

Introduction to periodontology, clinical and histopathological features, classification of periodontal diseases, etiologies of periodontal disease, periodontal examination and diagnosis, occlusal analysis, temporary splinting, initial periodontal therapy, re-evaluation, surgical asepsis, and supportive periodontal therapy (27 hours lecture, 3 hours simulation, 5 hours clinic; 3 units).

PR 156

Preclinical Periodontics (4)

Study of techniques for instrument sharpening, root planing, and use of ultrasonic devices. Introduction to temporary splinting, microbiologic sampling, local drug delivery, and occlusal analysis (15 hours laboratory, 1 unit).

PR 250

Periodontics (5-7)

Introduction to the methodology of collecting data, utilizing data to make a diagnosis, preparing a treatment plan, and beginning therapy; rationale for initial therapy including elimination of local factors, occlusal correction, temporary and provisional splinting, minor tooth movement, and initial therapy evaluation; basic rationale for periodontal surgery; techniques employed in surgical periodontics including the scientific basis for surgical technique, specific indications/contraindications, and sequence in healing following gingival surgery and osseous resection. Indications/contraindications, techniques, and results achieved with pocket elimination, gingival augmentation, guided tissue regeneration, and dental implants. In addition, new modalities used in the diagnosis and treatment of periodontal diseases are discussed such as microbiological sampling, and chemotherapeutics (30 hours lecture, 3 units).

PR 251

Periodontics (2-3)

Basic rationale for periodontal surgery; techniques employed in surgical periodontics including the scientific basis for surgical technique, specific indications/contraindications, and sequence in healing following gingival surgery, and osseous resection. Indications/contraindications, techniques, and results achieved with pocket elimination, gingival augmentation, guided tissue regeneration, and dental implants (20 hours lecture, 2 units).

PR 256, 356

Clinical Periodontics (5-8; 9-12)

Study of periodontal examination, diagnosis, treatment planning, nonsurgical therapy, periodontal re-evaluation, periodontal surgery, and supportive periodontal therapy in comprehensive clinical dental practice. (6 units; 4 units).

Physiology (PG)

Faculty

Chairperson: Joseph V. Levy

Professors: Cohen, Inesi, Levy, Morales

PG 120

Physiology (3-4)

Study of functioning of the human body, basic methods used to evaluate physiological parameters and introduction to recognition of functional abnormalities in humans. Cell membrane transport; electrical potentials; peripheral nerves; skeletal and smooth muscles; spinal cord and autonomic

nervous system; circulatory system and respiratory system. Homeostatic function of the kidneys; energy metabolism, temperature regulation, assimilation of food by the gastrointestinal tract; regulatory function of the endocrine system; perception of the external world through the sense organs, and integrative activity of the brain (70 hours lecture, 12 hours laboratory/demonstrations, 8 units)

PG 220

Pharmacology and Therapeutics (6-8)

Rationale of drug use in dental practice and mechanisms of action of drugs used for medical management of dental patients; pharmacodynamics and drug kinetics; quantitative pharmacology; drug laws and regulations; prescription writing; emergency drugs, autonomic, respiratory, cardiovascular, psychotropic, hormonal, gastrointestinal, antianxiety, antiparkinson, antidiabetic, antineoplastic drugs; neuromuscular blockers, histamine antagonists, inflammatory mediators, sedative-hypnotics, anticonvulsants, general and local anesthetics, analgesics, antibiotics, antifungal and antiviral agents, substance abuse, toxicology, drug interactions, and therapeutic decision making (70 hours lecture, 7 units).

Removable Prosthodontics (RP)

Faculty

Chairperson: Eugene E. LaBarre

R. Smith (emeritus), Zlotolow

Associate Professors: Ahlstrom, Eliason, Hansen, LaBarre, Tsiang

Assistant Professors: Castagna, Chavez, Duhn, Giusti, Shinbori, Shaw

Instructors: Bagus, J.Y. Chen, Lopez, Ostrovsky, Tsai

Teaching Dental Laboratory Technician: Matveyeva

RP 281

Dental Implants (8)

The study of modern implant dentistry with emphasis on history, the physiology of osseous integration, treatment planning, implant surgery, fabrication of single and multiple tooth fixed implant restorations and implant-supported removable overdentures, laboratory steps, maintenance and implant problems. Hard and soft tissue augmentation procedures will be studied along with esthetic concerns (10 hours lecture and laboratory, 1 unit).

RP 290, 296

Preclinical Removable Prosthodontics: Complete Dentures (5-6)

The study of the scope and philosophy of removable prosthodontics; biomechanics of the edentulous state; biologic considerations for impressions; vertical and horizontal jaw relations and the temporomandibular joint; Hanauquint; facebow registration; osteology; record bases and occlusion rims; facial landmarks; muscles of head, neck and oral cavity; use of articulator;

arrangement and articulation of artificial teeth; try- in of trial dentures; processing, finishing, and polishing of dentures; obtaining comfortable dentures for the patient; and clinical remount to perfect the occlusion and restore tooth anatomy. Laboratory includes arrangement and articulation of 28 artificial teeth. Also studied are convention-al, transitional, and diagnostic immediate dentures; tooth selection and repairing complete dentures; introduction to tooth supported complete dentures; use of the articulator, dental materials, and technique for construction of retrognathic and immediate complete dentures; and the posterior palatal seal and its biologic considerations (40 hours lecture, 4 units; 120 hours laboratory, 6 units).

RP 291, 297

Preclinical Removable Prosthodontics: Removable Partial Dentures (7)

The study of base design, survey and design, clasp design, rest preparation , tooth selection, major connectors, impression procedures, and delivery of a removable partial denture. Laboratory includes preparation and placement of a mesio-alloy rest, survey, and design of casts for distal extension bases and with anterior teeth missing, arrangement and articulation of artificial teeth for complete dentures, and work authorization forms and procedures (10 hours lecture, 1 unit; 30 hours laboratory, 2 units).

RP 396

Clinical Removable Prosthodontics (9-12)

The study of diagnosis, treatment planning, and removable prosthodontic treatment that restores masticatory function and phonetics, preserves underlying structures, results in patient comfort, and is esthetically pleasing. Course includes practice for state board removable prosthodontic procedures and simulated examination conditions (11 units).

Restorative Dentistry (RS)

Faculty

Chair: Marc J. Geissberger

Professors: Lugassy, Radke

Associate Professors: Dower, Geissberger, Kenyon, Plies, Yeh, Young

Assistant Professors: Aron, Barthold, Castagna, Cheu, Choy, Gardner, Giachetti, Golden, Hakim, Hausauer, Hepps, Kachalia, Louie, Lubman, Milani, Miles, Morris, Peterson, Radjaeipour, Reid, G. Santucci, N. Santucci, Scimeca, Seiferling, Sibbald, Streacker, Tong, C. Tran, White.

Instructors: Amanzadeh, Bason, Buchanan, Christensen, Chun, DiGiorno, DiMariano, Doran, Duncan, Gabbay, Hwang, Khayatan, Kitajima, Kuo, N. Lee, Martinez, Mirkina, Nadjibi, D. Nguyen, Nijjar, Prasad, Rosenfield, Salehinia, Salimi, Schultze, Surti

Lab Technician: Poe

RS 170, 176

Preclinical Operative Dentistry (1-3)

Study of scope and philosophy of operative dentistry, criteria and rationale for each type of cavity preparation employed, and indications for and techniques of using dental materials employed in restoring teeth with amalgam, cast gold inlays and onlays, and composite resins. Laboratory instruction and practice to develop eye-hand coordination necessary to perform operative dental procedures at the beginning clinical level working from a seated position using direct and indirect vision of the operating field. Also includes operative and crown fabrication procedures on primary teeth (60 hours lecture, 6 units; 150 hours laboratory, 7 units).

RS 173/175, 174/179, 183/185, 184/189 Principles, Complex Issues, Advanced Techniques, and Clinical Applications in Restorative Dentistry (1-4)

This year-long series of courses is offered in the first year of the International Dental Studies program. It integrates four major disciplines--operative dentistry, fixed prosthodontics, dental anatomy, and occlusion--in a comprehensive, integrated format with an emphasis on clinical application. In the first quarter students learn about seating position and posture, hand piece manipulation, tooth morphology, carving techniques, and criteria and indications for restoring teeth with amalgam and composite resins. The second course builds on this foundation, introducing students to dento-osseous structure, root canal anatomy, and tooth development and anomalies. Students also study the rationale and criteria for full cast gold crowns and bridges, ceramic restorations, and preparation design. Advanced restorative procedures are introduced and practiced in the third quarter, including bonded amalgams, direct and indirect esthetic posterior restorations, direct composite veneers and porcelain veneers. The capstone course in the fourth quarter combines preclinical study with clinical application. Under faculty supervision students work in the clinic performing operative and fixed procedures on patients (19 units lecture, 22 units lab/clinic; unit weight may vary depending upon the needs of the class).

RS 177

Local Anesthesia (4)

Study of administration of local anesthetics (15 hours lecture, 8 hours laboratory, 2 units).

RS 178

Advanced Restorative Technique (4)

Advanced esthetic procedures are introduced. These include bonded amalgam, direct and indirect esthetic posterior restorations, and direct composite veneers. Indications and techniques are performed on typodonts in the simulation laboratory (4 hours lecture, 11 hours lab, 1 unit).

RS 180, 186

Preclinical Fixed Prosthodontics (2-4)

The study of the scope and philosophy of fixed prosthodontics; diagnosis and treatment planning for patients requiring restorative dentistry; rationale and criteria for each type of cast and ceramic restoration used at the school, preparation design; manipulation of materials used to fabricate a restoration; laboratory communication; quality recognition for all steps of treatment; determination of potential or existing failures; and long term care for patients with fixed restorations (60 hours lecture, 6 units; 180 hours laboratory, 9 units).

RS 181, 187

Dental Anatomy (1-3)

Tooth morphology and the relationship of teeth in form and function to each other and to supporting structures; and use of the wax-added and carving techniques in reproducing coronal portions of individual teeth; introduction to occlusion; and waxing of crowns on dies of prepared teeth to proper contour, contact and occlusal function (30 hours lecture, 3 units; 60 hours laboratory, 3 units).

RS 188

Fundamentals of Restorative Dentistry (1)

This course emphasizes the fundamental skills needed for the fabrication of fixed prosthetic restorations: making of alginate impressions and study casts, introduction to articulators, preparation design for ceramo-metal crowns, waxing, casting finishing and polishing techniques for gold castings, provisional and alternative provisional restorations (20 hours lecture, 30 hours laboratory, 3 units).

RS 279, 378/379

Clinical Restorative Dentistry I-IV (5-6, 7-8; 9-10, 11-12)

Study of diagnosis, treatment planning, and intracoronal dental therapy, including preparation for and restoration of teeth with cast gold and porcelain inlays and onlays, composite resins, laminates, and amalgam in comprehensive clinical dental practice. Requirements include practice of operative dentistry procedures under simulated state board examination conditions. These courses also cover the diagnosis, treatment planning, and delivery of fixed prosthodontic treatment that addresses the patient's esthetic dental needs; stabilizes, improves, and protects the patients' gnathostomatic system in a comprehensive clinical dental practice. Students participate in quality assessment at clinical impression stage and at prosthesis delivery. Lab Services coordinates student dental laboratory prescriptions with private outsource laboratories. Test cases determine student competency by evaluating their ability to independently prepare a single tooth crown preparation in a specified time period (6 units; 11 units, 12 units).

RS 280 Occlusion (7-8)

Study of the gnathostomatic system: anatomy, function, and parafunction; relevance of occlusion in all phases of general dentistry; restoring sound occlusion for clinical patients while satisfying their esthetic needs; introduction to diagnosis and treatment of temporomandibular joint dysfunction; completion of clinical examination, diagnostic mounting, and delivery of occlusal splint (20 hours lecture, 60 hours laboratory, 5 units).

Admission Requirements

There are four basic requirements to be considered for admission to the course of study leading to the degree of Doctor of Dental Surgery: completion of required pre dental education, completion of the Dental Admission Test (DAT), submission of complete application materials, and appearance at the school for a personal interview.

Pre dental Education

Pre dental education must be completed at an accredited college or university from which subject matter is accepted for credit toward advanced standing at the University of the Pacific or universities with equal standing. At least three years of collegiate work, including 135 quarter or 90 semester credits, is recommended.

Pass/fail evaluations in required subjects are unacceptable unless accompanied by a narrative transcript provided by the awarding school.

Required courses in pre dental education must include the following:

	Number of Courses	
	Semester	Quarter
English Composition, Communication, or Speech*	2	3
Biological Sciences with laboratory**	4	6
General Physics with laboratory	2	3
Inorganic Chemistry with laboratory	2	3
Organic Chemistry**	2	3

* One course in composition or technical writing is required. Other courses should develop written or verbal communication skills. Courses in English as a Second Language (ESL) do not meet this requirement.

** Pre dental students are advised to complete one course in anatomy or physiology as part of the biological sciences requirement. The admissions committee requires applicants to complete two semesters of organic chemistry or,

upon direction of the pre dental advisor, one semester each of organic chemistry and biochemistry.

Although it is recommended that applicants have a baccalaureate degree, no specific major is required or preferred. It is recommended that electives be chosen from courses that extend one's knowledge of the biological sciences, such as biochemistry, physiology, human anatomy, histology, and microbiology.

It is strongly recommended that students develop their course of study in conjunction with a college or university pre dental advisor who can assist in selection of courses that will meet the School of Dentistry's requirements and provide the best preparation for the rigors of professional education and practice.

The Dental Admission Test

The computer-based format of the DAT is available on almost any day of the year. To be considered for admission the exam must have been taken within 18 months of the date of the application. Preference for admission is given to students who provide scores no later than September for the class entering the following July. Information and applications are available from the Dental Admission Test Program, Division of Education, American Dental Association, 211 East Chicago Avenue , Chicago, IL 60611, or visit www.ada.org .

Application Procedures

Application

The University of the Pacific Arthur A. Dugoni School of Dentistry participates in the American Association of Dental Schools Application Service (AADSAS). AADSAS is an information clearinghouse which transmits to a dental school the biographical and academic data required by admissions committees, thereby relieving the applicant of the burden of completing multiple and repetitious individual applications. To begin the application process, you can apply online or download an application from the ADEA web site, www.adea.org. Return the completed application form to AADSAS with copies of official transcripts from each college and university attended, three letters of evaluation, and a check or money order for the AADSAS processing fee. Completed application materials must be received by AADSAS no later than December 1 for an applicant to be considered for the class entering in July; however, it is recommended that students apply as early as June, but no later than September 1. A nonrefundable fee of \$75 is required by the school before processing of an application is initiated.

If the applicant's undergraduate institution has a pre-health sciences advisory committee, a committee evaluation is recommended. Otherwise, three letters of evaluation are required, one from a pre dental advisor and two from pre dental or upper division science course professors. At the applicant's discretion, additional

letters may be submitted if these provide supplemental information regarding the applicant's character, special abilities, and professional motivation. Evaluations from health care professionals who know the applicant well are encouraged.

Personal Interview

Applicants whose credentials appear to meet pre dental requirements are invited to the school for an interview with one or more members of the admissions committee and a currently-enrolled dental student. Those selected for interview are notified by letter of available dates for the interview. During the interview the applicant's interest in dentistry, future plans, maturity, and personal qualities needed for successful work with patients are assessed. In addition, applicants participate in an orientation seminar, meet informally with current students, and tour the school.

Selection Factors

The admissions committee carefully considers each applicant's scholastic record, DAT scores, AADSAS essay, letters of evaluation, and other personal attributes and qualities as well as demonstration of his or her understanding about a career in the dental profession. Applicants who are offered the opportunity to enroll must complete planned coursework at a specified performance level.

Honors Programs

A five-year program leading to the DDS degree was initiated in 1984 to provide pre dental education in two academic years for qualified students. Students admitted to the program take a prescribed list of general education and science courses as undergraduates in the university's College of the Pacific. After two years of study, they are eligible to apply for admission to the School of Dentistry. Freshmen who meet the following criteria will be considered for admission to this highly selective program:

- a combined SAT score of 1350 and a minimum verbal score of 630, or an ACT composite score of 31
- a 3.7 grade point average based on a substantial high school mathematics and science program, and
- acceptable scores on the UOP competency examinations in reading, writing, and quantitative analysis administered upon entering the university.

All students registered in the program are monitored closely and are counseled by pre dental faculty on the Stockton campus.

A six-year program provides qualified high school students the opportunity to enroll in a selective baccalaureate and DDS degree program. Students accepted into the program major in chemistry or biological sciences and obtain a bachelor's

degree from the College of the Pacific after completing three academic years on the Stockton campus and one year at the School of Dentistry.

This special opportunity, combined with the 36-month continuous educational program in dentistry, makes possible the completion of all requirements for both the baccalaureate and doctor of dental surgery degrees within a total of six years. Entrance requirements at the freshman collegiate level are as follows:

- a combined SAT score of 1350 with a minimum score of 600 on the verbal portion, or an ACT composite score of 31,
- a minimum 3.6 grade point average in high school college preparatory program,
- broad exposure to science and mathematics, including college preparatory courses in chemistry, biology, and algebra, and
- substantial course work in college preparatory English.

A seven-year program provides students with the opportunity to complete a bachelor's degree in any discipline on the Stockton campus in four years of study and then complete the DDS degree at the School of Dentistry in San Francisco in three additional years. Students admitted to this honors program can major in any subject provided that they complete an appropriate series of science courses as prescribed by a College of the Pacific pre dental advisor. Entrance requirements for this honors program include:

- a combined SAT score of 1210 with a minimum verbal score of 600, or an ACT composite score of 27,
- a minimum 3.5 grade point average in a solid college preparatory program,
- substantial course work in English, sciences, and mathematics.

Acceptance to these honors programs is determined annually by a screening committee after review of applications submitted by students who meet basic criteria. To be admitted to the School of Dentistry, honors students must: 1) meet all course requirements for the pre dental programs including grade point standards; 2) achieve scores of 18 or higher on all scales of the Dental Admissions Test; 3) successfully complete an interview with faculty at the School of Dentistry; 4) file an AADSAS application; 5) submit the \$75 nonrefundable application fee; and 6) obtain at least three letters of evaluation from science faculty, including one letter from a pre dental faculty advisor. The honors program and requirements for early acceptance to the School of Dentistry are described more fully in brochures available from the Office of Admissions, University of the Pacific, 3601 Pacific Avenue, Stockton, CA 95211.

Bachelor of Arts in Applied Sciences

Through a unique program with the university's Stockton campus, students who matriculate at the School of Dentistry without a baccalaureate degree will be reviewed by the Center for Professional and Continuing Education to determine

eligibility for the degree of bachelor of arts in applied sciences. Transcripts will be collected during the early months of the first year of the dental program and forwarded to Stockton for evaluation. Students who meet the requirements for the BAAS will be notified by the start of the second year and will receive the diploma as part of the dental school commencement ceremony.

Admission with Advanced Standing

Only under unusual and compelling circumstances does the School of Dentistry accept transfer students. Incompatibility of dental education programs generally inhibits transition from another dental school to the University of the Pacific's program. Students requesting such classification usually join the first-year class. No student will be admitted to advanced standing beyond the second year. Special action regarding transfer is required .

Health Requirements, Medical, and Disability Insurance

Prior to matriculation, health requirements must be met and documentation submitted to the admissions office, as follows:

- Medical Examination Submit the school's "Clinical Examination Form," signed by a physician, confirming that an acceptable medical examination was completed within one year of the date of matriculation.
- Measles, Rubella (German Measles), and Mumps Provide documentation of presence of positive titres. Documented vaccination with live attenuated measles and rubella virus is adequate. A history of measles and rubella as childhood diseases is not sufficient.
- Tuberculosis Submit the report of a Mantoux tuberculosis skin test. With a history of tuberculosis OR a positive skin test, submit a physician's report of a chest X-ray taken within the year prior to matriculation. Chest X-rays may be required at intervals, and suppressive medication may be recommended.
- Medical and Disability Insurance All enrolled students and residents participate in mandatory medical insurance and disability insurance programs selected by the School of Dentistry. No student is exempt from participation in these programs. Insurance premiums are assessed with tuition and other fees.

Hepatitis B

Every dental student is required to submit documented proof of presence of antibodies to the Hepatitis B virus or to complete the Hepatitis B vaccination series. It is recommended that this be done prior to matriculation; in all cases, however, it must be done before a student is allowed to treat patients. If a student does not have documented proof of having antibodies to this virus, the vaccination series is available at the school for a fee.

Inquiries about health requirements and supporting documentation are handled through the Office of Student Services.

Financial Aid

All applicants are considered for admission regardless of their financial circumstances. Financial aid is awarded on the basis of financial need as long as the student is a U.S. citizen or an eligible non-citizen. The financial aid office mails application materials beginning in late January to those who apply for admission.

Financial aid staff assists students in managing their financial resources and their indebtedness in school and after graduation. Staff members conduct a needs analysis and provide comprehensive financial guidance for every student applying for financial aid. Students may be awarded aid from federal, state, and institutional sources.

International Dental Studies Program

The University of the Pacific, through its division of International Dental Studies (IDS), offers an opportunity to earn the degree of Doctor of Dental Surgery to qualified foreign dental graduates. The purpose of the International Dental Studies program is to provide foreign dental graduates (including foreign nationals) an opportunity to gain the skills and knowledge of the dental profession as practiced in the United States today. Graduates of this program will be eligible for licensure and may subsequently be eligible for practice within the United States. Upon completion of this program, the graduate is eligible to sit for any state or regional dental board in the United States.

The entering IDS class begins in July. The two-year accelerated program has its own admissions requirements. The program consists of a minimum of eight quarters over a two-year period. It is recognized, however, that in some cases the program may be extended to meet an individual's educational needs. The curriculum, consisting of both academic and clinical training, utilizes the facilities of the School of Dentistry and other clinical sites in Northern California. The curriculum is a full-time, five-day-a-week program. IDS residents begin clinical patient care in the second quarter and spend the greater portion of their second year in clinical practice. Interested students are invited to participate in student research programs.

The program is described fully in a separate brochure available from the coordinator, International Dental Studies Program, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2155 Webster Street, San Francisco, CA, 94115-2399, U.S.A., or on the website, www.dental.pacific.edu.

Curriculum

The International Dental Studies curriculum includes preclinical and clinical instruction in dental subjects in the school's traditional DDS program, as well as instruction in pharmacology, oral pathology, differential diagnosis of oral diseases, facial pain, treatment of special patients; applied behavioral sciences including

basic management science, fundamentals of dental practice, dental jurisprudence; and preparation for state licensure.

Tuition and Fees

Tuition and other financial matters and policies are described elsewhere in this catalog under "Tuition and Fees." Entering students receive a list of fees and expenses applicable to the IDS curriculum prior to matriculation.

Consideration Requirements and Application Procedure

Complete consideration requirements and application procedures are described in a separate brochure available from the coordinator of the International Dental Studies program. Basic prerequisites for consideration are as follows: 1) a certified or notarized copy of a dental degree from a foreign dental school (any degree in a language other than English must be accompanied by a certified translation from a bona fide U.S. translator; please note that provisional degrees are not accepted); 2) successfully passing the National Board Dental Examination–Part 1 by receiving a minimum score of 80 or higher; 3) submission of a minimum score of 92 on the Internet-based test (iBT), version of the Test of English as a Foreign Language (TOEFL), a minimum score of 237 on the computerized exam, and a minimum score of 580 on the paper-based version; and if applicable, an English proficiency examination administered at the dental school; 4) a course-by-course evaluation from ECE; and 5) two letters of recommendation no older than 12 months at the time of application. Any notarized copy received by the dental school must bear the original notary stamp. Copies of a notarized copy are not acceptable.

Applicants who meet preliminary requirements and whose documented applications indicate potential for success in the program will be invited to take a technical examination and will go through an interview process administered at the dental school.

The IDS admissions committee will consider the following factors in selecting applicants for admission: dental school achievement, National Dental Board Examination scores, English proficiency, performance on the technical examination, professional experience, advanced degrees, and the interview.

Academic Progress and Graduation Requirements

Administrative regulations and general and academic policies of the dental school as outlined in this catalog and as otherwise applicable to all students also apply to those admitted into the International Dental Studies program. This includes but is not limited to all regulations and policies and procedures applicable to academic progress and graduation.

Distribution of Instruction

IDS Twenty-Four Month Program Overview

Graduate Orthodontic Program

Classes begin each July for the 27-month graduate program in orthodontics. The program, instituted in 1971, is fully accredited by the Commission on Dental Accreditation. Instruction prepares the resident to provide excellent treatment based on contemporary biologic orthodontic principles and is recognized for educational eligibility by the American Board of Orthodontics.

Curriculum

Topics of instruction include principles of orthodontics, cephalometrics, biomechanics, craniofacial biology, research methodology, appliance laboratory, statistics, anatomy, oral pathology, research design, oral physiology, cleft lip and palate, comparative appliances, occlusion and gnathology, orthognathic surgery, practice management, and periodontic/orthodontic care. Faculty fosters the collegial atmosphere with informal professional relationships and mutual respect between residents and faculty.

Clinical instruction and practice are conducted in the school's orthodontic clinic during 7 half-day clinics per week including four general orthodontic, one mixed dentition, one adult care, and one surgical orthodontic clinic. Adult patients constitute about one fourth of a resident's caseload. Each resident starts 60 to 70 new patients and treats 80 to 90 transfer patients during their training. Residents are also rotated through facial pain research clinic and the Kaiser Craniofacial Panel. Also, all residents have the opportunity to participate in a 5 to 7 day mission for the care of craniofacial abroad. Fixed appliance treatment employs the edgewise technique although instruction permits a wide latitude of clinical variation based on patient needs. Each resident also starts 8 to 12 patients with the new Invisalign appliance.

Each resident engages in an investigative project and must complete an acceptable thesis to qualify for the Master of Science in Dentistry degree. The thesis is submitted for publication in scientific journals.

Residents are scheduled for didactic and clinical instruction five full days (and some evenings) per week and full participation is required. While there is no prohibition of weekend private dental practice, residents' commitments during the program seriously limit this opportunity.

Academic Progress

Academic progress is reviewed quarterly and records are maintained by the department. Attendance and grading policies for this program, and access to the Student Appeals Committee, are generally the same for residents as for predoctoral students and many of those policies are outlined in this catalog under "Academic and Administrative Policies."

Graduation/Certification Requirements

The candidate for graduation and certification must demonstrate to the full satisfaction of the faculty the following: competence in the full range of contemporary orthodontic practice; completion of all technical and clinical requirements prescribed in the graduate orthodontic curriculum; achievement of passing grades in all required courses with a minimum grade point average (GPA) of 2.0 in didactic and clinical courses; design, completion, and presentation of an original research project in orthodontics and a thesis acceptable at the graduate level in the opinion of the Graduate Orthodontic Research Committee; return of all university property; and discharge of all financial obligations to the community and the school.

If in the judgment of the Graduate Orthodontic Academic Performance Committee the candidate has fully satisfied all requirements, the committee is authorized to recommend conferral of the Certificate in Orthodontics and the degree of Master of Science in Dentistry.

The committee may also recommend delay in an individual's graduation date. Committee recommendations are submitted to the dean, who is authorized to review and make final decisions in his/her discretion.

Tuition and Fees

Tuition and other financial matters and policies are described in this catalog under "Tuition and Fees." Required instruments may be obtained directly from suppliers at an educational discount, and textbooks may be purchased through the school's student store. Most assigned reading can be accomplished in the Health Sciences Library or the department's current periodicals file.

Student Financial Aid

Scholarships are currently not available for residents but loans are available in some circumstances. Complete information regarding loans is available from the director of financial aid in the Office of Student Services.

Admission Requirements and Application Procedures

Factors considered by the Graduate Orthodontic Program Admissions Committee include: possession of the doctoral degree in dentistry; excellence in predoctoral and dental school academic achievement; dental class standing; Graduate Record Examination (GRE) score; Dental Match Program code; practice, teaching, and research experience; possession of advanced academic degree(s); Dental National

Board Examination scores; and letters of recommendation.

The Department of Orthodontics participates in the American Dental Education Association's Postdoctoral Application Support Service (PASS). PASS is a centralized application service for more than 400 participating postdoctoral dental education programs. Applicants can download the entire PASS application on the PASS website, www.ADEA.org, or complete an online application. Completed application materials must be received by PASS no later than mid-September (see website for actual date). The completed PASS application and all supporting documents must be received by the graduate orthodontic program admissions committee before October 1 prior to the year in which admission is sought. A non-refundable fee of \$40 is required by the school before processing of an application is initiated.

Advanced Education in General Dentistry

The University of the Pacific, Arthur A. Dugoni School of Dentistry has two sites for its Advanced Education in General Dentistry program. The Union City site is located approximately 35 miles southeast of San Francisco. The second site is in the Health Sciences Center on the University of the Pacific Stockton campus in Stockton, California. .

The AEGD program is a one-year, accredited postgraduate residencies in general dentistry with an optional second year. The core of the program involves advanced clinical treatment of patients requiring comprehensive general dental care. There is a comprehensive seminar series attended by residents at both sites that covers all the dental specialties as well as areas such as implantology and treating patients with complex medical, physical, and psychological conditions.

In Union City, residents provide comprehensive dental care, attend supplemental seminars and rotations, and supervise dental students. Four senior undergraduate students regularly rotate from the main campus in San Francisco. Union City residents are directly involved in the clinical education of these students, giving the residents at this site unique teaching experience.

In Stockton, residents provide comprehensive dental care, attend supplemental seminars and rotations, supervise dental students, and work with dental hygiene students in the combined hygiene and dental services community clinic.

At all sites, there is an opportunity to gain more in-depth training in an optional accredited second year residency training program. The second year allows greater flexibility to pursue individual interests, advanced clinical cases, teaching, or research projects.

The start date for the program is July 1. Residents have time off during the school's winter break and 5 days leave that can be scheduled with the approval of the site director.

There are no tuition requirements to participate in the program. Residents receive an educational stipend plus an incentive bonus based on clinical production. The program uses the American Dental Education Association's PASS application to receive application materials. For online information about the Pacific AEGD program application process, please visit our site at <http://www.dental.pacific.edu>. Follow the links to Applicants, Advanced Education in General Dentistry, Admissions Information.

Dental Hygiene Program

Recognizing the ever-increasing need for dental hygienists, the Arthur A. Dugoni School of Dentistry and the University have combined to offer a unique 36 month accelerated Bachelor of Science Degree in dental hygiene, one of only two such programs in the nation. Pacific has created this distinctive three-year baccalaureate program (seven semesters and a summer session) to attract highly qualified students. In addition to clinical practice, the baccalaureate hygiene degree allows entry into many positions in teaching, research, administration, public health, private industry, and other areas of hygiene practice, as well as eligibility for entry into advanced degree programs.

Detailed information on the dental hygiene program is available at [www.pacific.edu/dental hygiene](http://www.pacific.edu/dental%20hygiene) or from the office of hygiene admissions at 209-946-2211.

Mission

The mission of the University of the Pacific Baccalaureate Dental Hygiene program is consistent with the mission and educational goals of the University and the Arthur A. Dugoni School of Dentistry.

The dental hygiene program will:

- Educate individuals who, upon completion of the program will be professionally competent to provide quality dental hygiene care in an evolving profession
- Provide patient-centered, quality care in an efficient clinical model that demonstrates the highest standards of service achievable
- Provide opportunities for community based, experiential learning

The program and its graduates will be distinguished by the following attributes:

- Continuous enhancement through professional development
- Humanistic values that respect the dignity of each individual and foster the potential for growth in all of us
- Application of theory and data for continuous improvement
- Leadership in addressing the challenges facing the profession of dental hygiene, education, and our communities

The Study of Dental Hygiene

The dental hygiene course of study is a professional program where students learn to provide preventive related clinical care for patients with emphasis on recognition, treatment, and prevention of oral diseases. In addition to performing a variety of preventive and therapeutic functions, the dental hygienist also has a major role in counseling and educating patients, community groups, and other health professionals. The curriculum helps students build educational, communicative, and clinical skills necessary to work in co-therapy with the dental team.

Admission Requirements

Admission to the Dental Hygiene Program is competitive, based on merit. Students may apply either as a freshman student, doing pre-requisite coursework at Pacific, or as a transfer student, completing re-requisites at another institution. After review of the completed application, the Office of Admissions will invite qualified candidates to participate in interviews on campus. In addition to a personal interview, applicants are invited to take part in orientation and financial aid seminars, meet informally with current students, and tour the campus. Admission will be based on the combination of application information and interview.

General Education Curriculum

Presented in the first half of this 36-month year round program are general education courses providing a strong science background and a broad base in the humanities.

First Semester, First Year (17 units)

Principles of Biology (4 units)

General Chemistry (5 units)

Introduction to Psychology (4 units)

Mentor Seminar I (4 units)

Second Semester, First Year (16 units)

Principles of Biology (4 units)
General Chemistry (5 units)
Introduction to Sociology (4 units)
Mentor Seminar II (3 units)

Summer Session (15 units)
General Education: Human Concerns (4 units)
General Education: Visual and Performing Arts (4 units)
Mathematics -- Statistics (4 units)
Organic Chemistry (3 units)

Third Semester, Second Year (16 units)
English (4 units)
Communications (3 units)
Microbiology (4 units)
General Education: Intercultural Studies (4 units)

Dental Hygiene Curriculum

Professional training is undertaken in the second half of the program. The curriculum provides students with the knowledge of oral health and disease as a basis for assuming responsibility to assess, plan, implement and evaluate dental hygiene services for both the individual patient and community oral health programs.

First Semester, Third Year (14 units)
Head and Neck Anatomy (2 units)
Dental Anatomy (1 unit)
Oral Radiology (2 units)
Oral Histology and Embryology (2 units)
Dental Hygiene Practice (3 units)
Pre-clinical Dental Hygiene (3 units)
Oral Health Education (1unit)

Second Semester, Third Year (16 units)
Medical and Dental Emergencies I (1unit)
Periodontics I (2 units)
Oral Pathology (2 units)
Pharmacology (3 units)
Pain Management (2 units)
Dental Hygiene Clinic I (6 units)

First Semester, Fourth Year (16 units)
Medical and Dental Emergencies II (1 unit)
Periodontics II (2 units)
Community Oral Health (2 units)
Patient Management / Special Needs (2 units)

Dental Hygiene Clinic II (6 units)
Mentor Seminar III (3 units)

Second Semester, Fourth Year (17 units)
Biochemistry & Nutrition (2 units)
Dental Materials (2 units)
Ethics & Jurisprudence (2 units)
Dental Hygiene Clinic III (8 units)
Senior Project I (3 units)

Oral and Maxillofacial Surgery Residency Program

Curriculum

Residents are educated in the basic sciences--anatomy, pathology, pharmacology, and physiology. Clinical practice includes dentoalveolar surgery, comprehensive management of the implant patient, comprehensive management of dentofacial and craniofacial deformities, surgical management of pathologic lesions, temporomandibular joint surgery, aesthetic surgery, reconstructive surgery and management of cleft lip and palate, and trauma management.

There are several hospitals and clinics to which the resident is assigned including: Highland Hospital, Kaiser Hospital in Oakland, Oakland Children's Hospital, and the University of the Pacific School of Dentistry clinics.

The residency is forty eight (48) months in length, and is divided into thirty months of oral and maxillofacial surgery, four months of medicine, and four months of surgery (including trauma), four months of surgical specialties (ENT, neurosurgery, ophthalmology), two months of plastic surgery, and one month of oral pathology.

As a senior resident, six months are spent as chief at Highland Hospital where trauma and pathology are prevalent. Six months are spent at Kaiser Hospital where orthognathic and reconstructive surgery cases are seen in great numbers.

Stipend

Residents receive PGY1 to PGY4.

Admission Requirements and Application

To apply to the program a candidate requires an undergraduate degree, transcripts showing a DDS or DMD degree, a completed PASS application, and three letters of recommendation. University of the Pacific/Highland participates in the National Matching Service.

For complete information please contact:

Angela Holland
Alameda County Medical Center
Highland Hospital Campus

Dental Clinic
1411 East 31st Street
Oakland, CA 94602

Tuition and Fees

The university is a private institution with tuition and fees providing about two-thirds of the revenue necessary for the doctoral program. Gifts from parents, alumni and regents, income from endowments, funds from private agencies, and other revenue help meet program costs, but inflation and other factors may require annual increases in tuition and fees to provide necessary program revenue.

Tuition

Tuition for the academic year 2008-2009 for the DDS and IDS programs is \$72,896.00 Tuition for the 2008-2009 for the graduate orthodontics program is \$63,466.00.

Upon notification of acceptance, applicants are required to submit a nonrefundable \$1,000 enrollment fee (\$500 for the graduate orthodontic program) as directed in the acceptance letter in order to hold their place. The fee will be applied to first quarter tuition upon matriculation to the University of the Pacific. First quarter tuition is due and payable before matriculation day. Subsequent payment of tuition is due by the first day of each quarter and is required for registration and continued enrollment.

Tuition Refund

Withdrawal: School policy provides that in response to written notice of withdrawal by a student or by an applicant, tuition credit shall be allocated as follows:

- o Prior to matriculation: full credit less the enrollment fee.
- o After matriculation: credit prorated according to calendar days after reduction by the enrollment fee (see below).
- o After first day of class, second through final quarters: credit prorated according to calendar days as follows :

1st	through	7th day	80% credit
8th	through	14th day	60 %
15th	through	25th day	40 %
26th	through	35th day	20 %
	after	35th day	no refund

Dismissal: Upon dismissal for reasons other than misconduct, tuition credit is allocated according to the refund schedule above. When a dismissed student is readmitted, full tuition must be paid for each quarter repeated, or part thereof.

Extended Students

A student who has not fully demonstrated competency to the faculty in all clinical disciplines by the end of the final quarter of the program will be extended beyond graduation. An extended student is not charged tuition for one quarter. Tuition for subsequent quarter(s) or part(s) thereof is charged at 85% of the current rate. In every quarter of the extension, an extended student pays current rates for mandatory health and disability insurance. Upon notification to the dean that performance meets graduation standards, an extended student receives tuition credit of 10% for each full week of instruction remaining in the quarter.

Readmission and Repeat

Repeat students are charged 85% of the current tuition for any quarter repeated and 100% of the current rate thereafter. A student must pay any outstanding account balance to be eligible for readmission or to repeat all or part of an academic year.

Diplomas and Transcripts

A diploma or transcript of academic work will not be issued until a student's account with the university is paid in full and in the judgment of the school all other requirements have been satisfied.

Fees

The enrollment fee described above is nonrefundable. The list of fees and expenses below should not be considered complete for all students, and includes anticipated costs for outside agencies listed as "Special Fees". Fees listed below are for the DDS program and are estimates. Fees for the International Dental Studies and the graduate orthodontics programs are available from the Division of International Dental Studies and the Department of Orthodontics, respectively.

DDS Program Fees, 2008-2009

(partial listing; some fees subject to adjustment)

Application (nonrefundable)	\$ 75
Instrument Management fee	2100
Student Doctoral Kit *	12,008,
First Year Gold	200
Student Body **	130
Health Insurance	1736
Disability Insurance	108
Technology fee	900
Optical loupes	900
Skull Rental	25
Special Fees, 2008-2009 (partial)	
ASDA Membership **	72

California Dental Assn. Membership**	5
Laboratory Fee	250
Total:	\$18,509*

* The Student Doctoral Kit includes textbooks, instruments, and supplies that are required by the school according to guidelines submitted by the Store Committee. These materials are issued in a kit on matriculation day to all registered students. Instruments and supplies should not be purchased in advance. Release from kit purchases will not be granted. Allowance should be made for additional supplies and instruments that will be required during the educational program.

Store Refund Policy: A full refund is provided on non-kit items returned within five school days of the date of purchase and within university policy.

** Fees for student body, class, ASDA, and CDA memberships vary each year according to decisions of the student body and the respective classes.

Student Accounts

Student accounts are provided for payment of fees and student store charges. This privilege may be restricted for cause.

Student accounts are billed on a monthly basis and are due and payable prior to the next billing date to avoid a late fee.

Students who fail to make payments on accounts in a timely fashion and as billed are subject to suspension from the academic program without further action or procedures. In addition, a diploma or transcript of academic performance will not be issued, until a student's account with the university is paid in full.

Patient Accounts

The student is responsible for financial management of assigned comprehensive care patients. This responsibility includes charging correct fees for procedures authorized. Students will not receive credit for a procedure if financial arrangements have not been made prior to initiating care.

Foreign Students

In order to comply with regulations of the United States Immigration and Naturalization Service, the University of the Pacific requires applicants who are not citizens or permanent residents of the United States to submit a detailed certification of finances showing sufficient financial resources for study at the university. Other special information and instructions regarding the admission of foreign students will be provided upon request.

General Policies

Students who enroll in the School of Dentistry agree to adhere to the school's policies and procedures and to conform their conduct to the standards of the school and of the law. Students who fail to do so are subject to all sanctions or other appropriate action by the school, up to and including interim or indefinite suspension and final dismissal.

In cases where the school determines in its judgment that a student's continued enrollment at the School of Dentistry would not be prudent, including but not limited to the student's violation of standards of conduct, inadequate academic performance, and/or a judgment that the student has failed to demonstrate attributes of character which the school believes are necessary to qualify students to practice dentistry, the school may terminate the student's enrollment and/or refuse to award a degree.

Code of Ethics and Adjudication of Ethics Violations

All allegations of unethical student behavior are investigated by a senior faculty member (appointed by the Dean) acting as an Initial Reviewer. If there is sufficient evidence to support the allegations and the student agrees to the proposed sanction, the Initial Reviewer recommends the appropriate disciplinary action to the Dean. If the student disagrees with the findings of the Initial Reviewer or the proposed sanction, the allegation will then be forwarded to the Ethics Committee.

The Ethics Committee conducts hearings on matters related to student behavior and violations of the Code of Ethics. The Ethics Committee is a joint faculty-administrative committee comprised of a Chair selected by the Dental Faculty Council, three elected faculty members, and three elected students, one from each class. In addition, four elected faculty members and the vice president of each class act as alternates, and may be called to serve during committee review of a complaint that may involve an elected member or when an elected member is unable to be present. Recommendations of the Ethics Committee are submitted to the Dean for appropriate action. Privileged information related to petitions, petitioners, and all deliberations and recommendations of the committee are to be treated as confidential and will remain "in committee" except as reported through appropriate channels.

In either case, the recommendation of the Dean can only be appealed through University channels (Office of Provost).

Academic Progress and the Student Appeals Committee

All student appeals of decisions regarding grading and academic progress are the purview of the Student Appeals Committee, which is a joint faculty-administrative committee comprised of a Chair appointed by the dean, three elected faculty members, and two elected students, one each from the second and third year classes. In addition, four elected faculty members and the vice president of each class may act as alternates during committee review of an appeal that may involve an elected member or when an elected member is unable to be present. Committee functions are described in this catalog section titled "Standing Committees."

Recommendations of the Student Appeals Committee are submitted to the Dean for appropriate action, but review by the Student Appeals Committee shall not be regarded as forfeiting a petitioner's right to further recourse through university channels. Privileged information related to petitions, petitioners, and all deliberations and recommendations of the committee are to be treated as confidential and will remain "in committee" except as reported through appropriate channels.

Alcoholic Beverages

California state law stipulates that only persons twenty-one years of age or older may possess and consume alcoholic beverages. Compliance with this law is the student's obligation. University policy, however, permits students of legal drinking age to consume and possess alcoholic beverages on university premises so long as it is (a) restricted to the privacy of their own living space as determined by contract, or (b) at a duly registered event which permits the serving of alcoholic beverages.

University students, regardless of age, are prohibited from possessing and consuming alcoholic beverages in any public university area, including grounds. Sale and distribution of alcoholic beverages on university premises by anyone for money, token in lieu of money, or any other device which in fact constitutes sale, is not permitted. Drunk and disorderly behavior is prohibited. Off campus use of alcoholic beverages by individuals, groups, or university organizations renders the individual or individuals involved responsible under local and state laws.

Drugs

Student involvement in the illegal possession, sale, use or distribution on or off university premises of drugs or similar substances designated illegal by state or federal law is prohibited and will result in dismissal from the school.

Weapons

The possession, display, or use of firearms of all descriptions, including air-powered weapons, or any instruments that can be construed as dangerous weapons is not permitted on or immediately adjacent to, School premises and/or

in connection with a School activity. California Penal Code 626.9 and 626.10 specifically prohibit the possession of firearms, including pellet and BB guns, on School property, without specific written permission. The brandishing or use of such weapons on School premises shall be considered sufficient cause for immediate suspension pending an investigation and could result in dismissal from the School. Students living in housing must arrange for off-campus storage of firearms intended for hunting or target practice. This applies to those items intended for hunting or target practice; bladed instruments exceeding four inches in length; and bows and martial arts equipment except when related to an approved campus activity. The School reserves the right to confiscate firearms and other weapons found on School property.

Policy Statement Regarding Unlawful Discrimination and Harassment

The University of the Pacific, Arthur A. Dugoni School of Dentistry makes admissions decisions regarding otherwise qualified students regardless of race, color, national and ethnic origin, ancestry, religion, religious creed, disability, citizenship status, military service status, medical conditions (cancer or genetic conditions), marital status, sexual orientation, gender, or age. It grants otherwise qualified students all the rights, privileges, programs, and activities generally accorded or made available to students at the school and does not discriminate on the grounds listed above in the administration of its educational programs, admissions, scholarship and loans, athletics or other school activities.

Disabled Student Services

Recognizing that certain kinds of conditions may present problems for otherwise qualified students, the School of Dentistry provides support for students with certified disabilities. The service is administered jointly through the Office of Student Services and the Office of Academic Affairs. The school complies with applicable law regarding reasonable accommodation, aids and assistance for otherwise qualified students with disabilities. Any individual who has been offered admission is encouraged to discuss with the admissions office his or her needs for accommodation.

Academic Standards for Holding Student Office

In order to hold either elected or appointed office in the Associated Student Body of the School of Dentistry, a student must be registered for a full-time course of study each term during which office is held and must successfully complete these courses in order to continue in the position. Normally, a student may not be on either disciplinary or academic probation during the period of time in which he or she holds office.

Disclaimer

All claims against the school or university for loss or damage arising from acts, omissions, or contingencies beyond the control of the university and its employees are hereby expressly waived. The waiver includes loss by fire, theft, or natural catastrophe of any materials belonging to a member of the student body, whether such loss occurs on or off the school premises. Students agree to these conditions when they register.

Academic and Administrative Policies

Academic and administrative policies set forth in this section are in force for the academic year 2008-2009. The right to change academic programs, policies, and standards at any time without prior notice is reserved by the university. Students should regularly consult the online catalog for changes or modifications.

Registration

Registration in the School of Dentistry includes payment of tuition and fees, enrollment in courses, submission of all required application materials (including one official transcript of academic record from each college or university attended through the last completed quarter, semester, or summer session), and submission of required medical examination and clearance forms.

In order to receive credit for coursework taken during a particular term, every student must be properly registered during that term. Barring a written notice of withdrawal or a dismissal from the school, registration is assumed for all students. Entering students register on matriculation day.

Records & Transcripts

An academic record (transcript) for each student is maintained in the Office of Academic Affairs. This official record is used in the conduct of the student's personal and academic affairs and is considered both private and confidential. In accordance with the Family Educational Rights and Privacy Act of 1974 (FERPA), the School of Dentistry has established procedures to ensure that students have access to their records, that those records are accurate, and that the privacy rights of students are protected. Students are notified annually in writing of their rights under FERPA.

Directory information may be released by the School of Dentistry without the student's permission unless a request to block such a release is on file. Directory information is defined by the school as a student's name; local address and telephone number; email address; date and place of birth; dates of attendance, including matriculation and graduation; degrees, honors and scholarships received; field of study, enrollment status (full- or part-time), academic level (predoctoral or graduate); most recent educational institution attended; participation in officially recognized activities, and future practice plans. If a

student wishes to have such information kept confidential, the student must file a written request with the Office of Academic Affairs by August 1.

Upon written request by the student, an official transcript is issued to whomever is designated, provided all financial obligations to the university have been met. The official transcript shows all work completed to date, and is divided into four program years. Official transcripts of credit earned at other institutions which have been presented for admission or evaluation of credit become the property of the university and are not reissued or copied for distribution to other institutions. Students may receive unofficial copies of these documents.

Attendance

Students at the School of Dentistry assume professional obligations which include regular and consistent attendance at academic activities. The ability to do so is an essential qualification of all students. Specific attendance policies are determined by individual course directors who will provide students with a written statement of such policies at the beginning of the course, if policies differ from the above. For students assigned to the clinics of the School of Dentistry, or other clinics associated with the school, attendance is mandatory.

At the request of a student, his or her course directors will be notified of absences due to illness, or other personal or family necessities beyond the control of the student. The student is required to contact the Office of Academic Affairs promptly in case of absence so that proper and timely notification can be given to course directors.

An excused absence is normally recognized when students contact the Office of Academic Affairs before 9:00 a.m. on the day of an illness or accident, or when other proper written notification has been received and approved. Permission for other absences must be obtained in advance and in writing from both the associate deans for academic affairs and clinical services.

A student who is absent from school without permission ("unexcused absence") for five or more days in a single quarter, or who otherwise significantly fails to satisfy attendance requirements, may be dismissed.

Exemption from Courses

If a student has extensive educational preparation in a discipline, the student may petition the appropriate course director for exemption from required coursework. Such exemption may be granted at the discretion of the course director who will award an appropriate final letter grade (A, B, C, D), or credit (CR) signifying completion of the required course.

Academic Progress

The Office of Academic Affairs reviews student overall academic performance each quarter prior to the distribution of report cards. In a course that continues through two or more quarters, a grade is awarded each quarter to indicate

interim progress, and the final grade for the entire course is awarded at completion of the terminal quarter of the course. However, the Student Academic Performance and Promotions Committee will regard an interim grade in the same manner as a final grade with respect to promotion.

Grades

Grades represent passing or failing performance. Grades of A, B, C, and D represent passing performance, and the grade of F represents failure. Grades of A, excellent; B, good; and C, acceptable, represent unconditional passing performance; the grade D indicates conditional passing performance. Conditions on such grades may be specified and may include additional instruction or evaluation before advancement to clinical practice or eligibility for board examinations. Course directors are required to provide a grade for every enrolled student at the end of each quarter of instruction. They must also notify the Office of Academic Affairs in writing of conditions that apply to D grades, if any; conditions and assignments for removing incompletes; and suggested alternatives for overcoming failing performance, if any exists.

Credit (CR)

Credit (CR) may be awarded in clinical courses to indicate that the student has not been assigned sufficient patients for clinical ability to be assessed in a particular area. In nonclinical courses, CR signifies satisfactory completion of an ungraded course where reliable differentiation among passing grades is not possible.

INC (incomplete)

An incomplete grade (INC) may be given temporarily when a student is progressing satisfactorily but the course director has insufficient information to award a letter grade because the student has not completed all assigned coursework. The course director will determine conditions under which and the date by which the deficiency that caused the INC must be removed by the student. Failure to comply with stated conditions by the predetermined date will result in the INC reverting to the grade F, failure. When an INC is given for the terminal quarter of a course, the student must remove the deficiency that caused the INC within the quarter immediately following or the INC will revert to a permanent grade of F, failure.

Grade Point Average

In computing a grade point average (GPA) numerical values are: A, 4 points; B, 3 points; C, 2 points; D or INC, one point; and F, zero points. Credit (CR) notations do not affect the grade point average. The dental school does not award "+" or "-" modification of grades.

Change of Grades

Final passing grades (A, B, C, D, CR) are not subject to change on the basis of second examination or additional work completed after grades are submitted. Passing grades may be changed during the quarter following award of the final grade to correct an error in computation or in transcribing a report or where some part of a student's work has been overlooked. A failing grade of F may be changed only on the basis of reexamination or repeat of the course. Reexamination or repeat of the course is not obligatory but rather at the discretion of the course director or the Student Academic Performance and Promotion Committee. Upon reexamination, D is the highest grade that can be reported; on repeat of the course, the new final grade will be reported. When a final grade is awarded to substitute for INC or for the failing grade of F, this will be indicated on the student transcript by an appropriate symbol denoting the change.

Academic Good Standing

Academic good standing requires a grade point average (GPA) of at least 2.0 for all didactic courses attempted and for all laboratory and clinic courses attempted, and no permanent F grades or conditional D grades.

Academic Probation

Academic probation is accorded a student upon receipt of a GPA below 2.0 for all didactic courses attempted OR a GPA below 2.0 for all laboratory and clinic courses attempted OR both; OR to a student with a permanent F or conditional D grade. Normally, the standard for academic good standing must be met within three months of being placed on academic probation. In circumstances where this time constraint cannot be met, e.g. for laboratory and clinic grades at the beginning of the second year, or when a course is being repeated to remove an F grade, a reasonable time period will be specified.

I. Phase One Academic Probation: Intervention

- A. Didactic and/or lab/clinic GPA below 2.0 if the student was in good academic standing the previous quarter. (New students are assumed to be in good standing upon matriculation unless otherwise stipulated by the Office of Student Services.)
- B. Repeating students are placed on intervention at the beginning of their repeat year.
- C. Examples of interventions include:
 - o meetings with advisor
 - o assignment of tutors
 - o inventory of outside activities, living conditions

- diagnostic testing for suspected health, psychological, language or learning problems
- in-course remediation
- evaluation by health care professional to determine fitness for student activities
- alternative career counseling
- quarterly plan for reaching academic standards, signed by all faculty teaching that quarter

II. Phase Two Academic Probation: Contract

- A. Didactic and/or lab/clinic GPA below 2.0 if the student was on Phase I probation the previous quarter, or
- B. Any permanent F or conditional D grade.
- C. Examples of contract conditions include:
 - required weekly meetings with faculty member, Group Practice Administrator, or advisor
 - restrictions on outside activities, living conditions
 - required professional assistance with diagnosed health, psychological, language, or learning problems
 - tutors
 - assignment to scheduled supplemental courses
 - regular meetings with therapist
- D. No student on contract is eligible to take National Dental Board Examinations without approval by the promotions committee.

Academic Disqualification

Academic disqualification may be recommended to the dean by the Student Academic Performance and Promotions Committee for a student who has failed to meet any of the conditions of phase two probation (contract). When a student's academic record meets published criteria for academic disqualification, the committee will provide an opportunity for the student to appear before the committee to ensure that all pertinent information has been considered. A faculty advisor will be assigned to the student to help prepare a statement to the committee.

If, in the judgment of the committee, the student has the capacity and commitment to overcome his or her documented deficiencies and reach an acceptable level of patient care, the committee may recommend:

- A. Continuation on academic contract
- B. Extension of the program

- C. Reenrollment in the subsequent class, or
- D. Reenrollment only through the normal admissions process, as appropriate to the student's educational needs.

Promotion

Students who are in academic good standing automatically are recommended for promotion by the Student Academic Performance and Promotions Committee. The committee may recommend that a student who is not in academic good standing be promoted on academic probation with conditions of the probation clearly outlined.

The Student Appeals Committee is responsible for review and recommendations of student-initiated petitions regarding recommendations or actions concerning grading, evaluation, and promotion.

Committees

Student Academic Performance and Promotions Committees

Functions: Student Academic Performance and Promotions Committees exist for each class. The committees evaluate records of student academic performance and progress; recommend to the dean appropriate candidates for promotion, dismissal, repeat or other action, and students who should receive awards for academic excellence and consideration for honors; and work with the Curriculum Committee in planning, developing, and recommending methods by which students' performance may best be evaluated. These committees ensure enforcement of academic standards as described in this catalog under "Academic and Administrative Policies."

Academic Advisory Committees

Functions: Academic Advisory Committees for each class review records of students who are on phase one academic probation to recommend intervention, and review records of students on phase two academic probation to draw up contracts. They also review the records of students who have failed their contracts and make recommendations to the Student Academic Performance and Promotion Committees.

Membership

First Year Committee

1. Director of academic affairs, chair
2. Associate dean of academic affairs
3. Two faculty members who teach in the first year (one basic scientist and one clinical scientist)
4. One second-year student, appointed by the class president

Second Year Committee

1. Director of academic affairs, chair
2. Associate dean of academic affairs

3. Two Group Practice Administrators
4. One faculty member who teaches in the second year
5. One third-year student, appointed by the class president

Third Year Committee

1. Director of academic affairs, chair
2. Associate dean of academic affairs
3. Two Group Practice Administrators
4. One faculty member who teaches in the third year
5. One recent graduate or AEGD resident who attended Pacific

Student Appeals Committee

The Student Appeals Committee reviews and makes recommendations regarding student initiated appeals for reconsideration of faculty action with regard to grading, evaluation, and promotion; reviews and attempts to resolve all matters in which complaints are made by students against faculty members for unprofessional conduct; and reviews and makes recommendations regarding discipline of students. In academic matters related to promotion and dismissal, the Student Appeals Committee will not attempt to substitute its judgment for the academic judgment of faculty or of the administration.

Repeat

When a student repeats an academic year, a grade must be awarded for completion of each course in that year. If a student is exempted from repeating a course for which a passing grade previously has been assigned, the course director will determine the grade to be assigned for the repeat year and the method by which such a grade will be determined. If a student repeats a course, the grade earned at the time of repeat is recorded. In the absence of a written agreement of exemption filed in the Office of Academic Affairs, students are responsible for meeting all requirements of specified courses and will be graded according to standards in place for the repeated course.

Withdrawal

A student who wishes to withdraw from school must file a written request in the Office of Academic Affairs and meet with the dean. The records of a student who seeks to withdraw without first requesting permission will record a dismissal. A short leave of absence may be granted by the dean after consultation with the appropriate Student Academic Performance and Promotion Committee.

Graduation

In addition to all other requirements to earn graduation, the candidate for graduation must demonstrate competence to discharge the duties required of a practitioner of dentistry. In addition to the skills, understanding, and values expected of a beginning general dentist, this is interpreted to mean evidence of moral character compatible with the public interest and with the practice of the healing arts, discharge of all financial obligations to the community and the school,

completion of all technical and clinical requirements prescribed in the curriculum, academic good standing, passage of Part II of the National Board Dental Examination, and conformance with policies of the School of Dentistry. If, in the opinion of the Student Academic Performance and Promotion Committee, the candidate for the Doctor of Dental Surgery degree has met all requirements, it is authorized to recommend to the dean the graduation and conferral of the degree. It may also recommend delay in the individual's graduation date with conditions necessary to bring the student to a competent level.

Standing Committees

In keeping with university philosophy, the School of Dentistry incorporates the expertise and perspective of students, faculty, and administrators in the decision-making process through use of the committee system. Committees are designated according to areas of concern and authority as "faculty," "administrative," or "joint faculty-administrative" committees. Standing committees are listed below.

Faculty Committees

The faculty has primary responsibility for recommending policy in the following areas: curriculum, subject matter and methods of instruction, research, faculty status, and those aspects of student life which are related to the educational process. Final review and decision rest with the dean, president, and Board of Regents.

Academic Advisory Committees (three, one for each DDS class)

Admissions Committee, DDS

Admissions Committee, IDS

Curriculum Committee

Dental Faculty Council

Faculty Appointment, Promotion, and Tenure Committee

Research Committee

Student Academic Performance and Promotions Committees (three, one for each class)

Student Advisors Committee

Joint Faculty-Administrative Committees

Joint committees consider areas of major importance to faculty and administration. Administrative officials hold ultimate authority, but faculty members' and students' consultation and advice are of great importance.

Comprehensive Care Clinic Advisory Committee

Ethics Committee

Faculty Evaluation Review Committee

Clinical Quality Assurance Committee

Student Appeals Committee

Administrative Committees

The administration has primary responsibility for maintenance of existing institutional resources and the creation of new resources. The dean plans, organizes, directs, and represents the School of Dentistry with general support from the faculty, the president, and the Board of Regents. The dean initiates, innovates, and assures that School of Dentistry standards and procedures conform to policy established by the Board of Regents and to standards of sound academic practice. Administrative committees are those in which administrative responsibility is primary and members appointed by the dean serve in an advisory capacity.

Administrative Council

- A. W. Ward Museum Committee
- Biosafety in Research Committee
- Employee Recognition Committee
- Institutional Animal Care and Use in Research Committee
- Joint Pacific/CPMC Library Committee
- Managers and Directors Committee
- Outcomes Review Committee
- Postgraduate Studies Committee
- Radioactive Materials in Research Committee
- Safety Committee
- Store Committee
- Student Clinical Advisory Committee
- Student Financial Aid Committee

Services

Numerous resources are available to assist students in areas related to the academic program.

Business

The business office of the School of Dentistry is directed by the Director of Fiscal Services. Business affairs of the school include accounting services and the student store.

Student Services

Under direction of the director of student services, this office is responsible for recruiting students, contacting applicants, collecting data for the admissions committee, and providing consultation and assistance in nonacademic areas including student financial aid, health and health insurance, housing, and on-campus social and fraternal group activities.

Student Store

The student store stocks equipment, books, and supplies for the educational program. It is the main campus resource for students, faculty, staff, alumni, and

guests. The store also provides print-on-demand and binding services. Apple products are available from the store's website, www.dentalstudents.com. The site contains everything from burs and handpieces to the dental drug booklet. It also has a full selection of logo clothing for sale. Under the director, the store staff is trained in the delivery of dental services for the educational environment.

Student Financial Aid

Financial aid at the university is available only to U.S. citizens, permanent residents, and eligible non-citizens. Loans and grant funds are available from private, state, and federal sources. The financial aid office assists students in managing their financial resources and their indebtedness. It also conducts needs analyses and provides comprehensive financial guidance for every student applying for financial aid. Eligibility for most available financial aid funds is based on demonstrated financial need. An applicant must be approved for admissions before financial aid can be awarded.

Complete information about the types of financial aid available and the application process can be obtained from our website at www.dental.pacific.edu or from the financial aid office located in the Office of Student Services.

Housing

Pacific Apartments

The school is located in the Pacific Heights neighborhood of San Francisco and maintains an apartment facility within walking distance of the campus. The Pacific apartment building contains unfurnished one-, two-, and three-bedroom apartments; study and lounge areas; laundry rooms; a dental laboratory; a physical fitness center; and offers 24-hour security.

Presidio Apartments

In 1998, School of Dentistry executed a Master permit with the Presidio Trust for multiple units consisting of two-, three-, and four-bedroom unfurnished apartments. The facility is located on the West side of the Presidio, directly across from Baker Beach (approximately 3 miles from the dental school). All apartments have hardwood floors, refrigerator, stove, and dishwasher. Washer and dryer hook-ups are in each unit. Each unit is assigned one covered parking space.

Rental eligibility for both housing facilities is reserved for dental students registered and actively participating in an educational program at the school. Vacancies are filled each year by lottery from a list of applicants who have been accepted for admission to the school, however selection and continuation of rental eligibility is subject to the complete discretion of the school. Rent is due and payable by the first day of each month. Failure to pay on the due date will result in assessment of a late payment fee for each month's delinquency in payment. Such delinquency may result in suspension or termination from the educational program.

The school maintains a listing of off-campus, privately-owned apartments for interested students. The school does not endorse, investigate, or guarantee the tenability of listings or suitability of those responding to any off-campus listing.

Health Sciences Library

The Health Sciences Library of the University of the Pacific, Arthur A. Dugoni School of Dentistry and the California Pacific Medical Center is located diagonally across from the school. The library's collection includes about 12,000 book titles, 100 electronic books, 150 clinical videos, current print subscription to 100 journals, and access to over 3,000 online journal titles. The library has a comprehensive collection of journals and books in all areas of dentistry, the basic and clinical sciences, and medicine. There is access to important online resources including Ovid, and PubMed, Cochrane, via the library website at www.cpmc.org/hslibrary. Services provided by the library include research assistance, library orientation, and reference services.

The 20,510 square-foot library facility, built in 1912, underwent extensive renovation in 1998 and 2004 that incorporated modern design elements, furnishings, and technology while retaining the original architectural features. The library provides computers, photocopiers, scanner, audiovisual equipment, group study rooms, and individual study carrels. Wireless access is available throughout the building. The reading room houses current journals, reference book and casual reading materials.

The library is supported by the dental school's Ernest G. Sloman Memorial Library Fund.

Orientation and Counseling

First-year students participate in a mandatory retreat and orientation held on the university's Stockton campus shortly after matriculation. Through discussions with upper class students, faculty, advisors, and administrators around a theme relevant to the profession, new students are acquainted with the various aspects and demands of the dental educational program and with ongoing student activities.

Many faculty who teach first-year courses serve as advisors to new students to provide friendly ears and sounding boards for their concerns and to assist them in the transition from undergraduate to professional education. Students may choose an advisor or are assigned one at the beginning of their first year. Second- and third-year students have access to their assigned group practice clinic administrator as well as course directors and other faculty members.

Academic counseling is provided by advisors as well as course directors, faculty members, the associate dean for academic affairs, and the director of academic affairs. Referral to professional health care counseling is available, however the school cannot warrant the services of external health care providers. (Students

should become familiar with the procedures of such counselors before engaging the services.) Services of a psychologist trained in student stress and study skills problems are available to students on an on-call and drop-in basis.

Dental and Orthodontic Treatment Benefits

Dental and orthodontic treatment benefits are available at the School of Dentistry during regular clinic hours for students in good standing and their spouses and children living at home. Students who request and are accepted for dental care, except orthodontics, pay at a reduced rate established by clinic administration.

Development

Under the direction of the Director, Institutional Advancement, the development team assists donors with charitable giving. They provide the school's alumni and friends with the education and resources for making annual gifts, major gifts, and future pledges in the form of bequests and charitable trusts.

Throughout the building there are plaques, badges, and Honors Walls recognizing the strong philanthropic support enjoyed by the school. Of special note, the Dean's Circle recognizes Dean's Fund for Excellence gifts with its Pacific, Silver, Gold, and Porcelain levels. The Endowment and Legacy Society recognizes those who have established an endowment and/or made provisions in their estate for the Arthur A. Dugoni School of Dentistry.

Pacific's generous alumni, friends, foundations, corporations, and organization donors build clinics and classrooms, provide scholarships, fund faculty positions, provide dental care to patients, and support numerous projects that help keep the dental school strong. Their support was evident at the conclusion of a seven-year capital campaign that raised a record-breaking \$65.7 million, 131% of the campaign's original \$50 million goal.

Public Relations

The Office of Public Relations directs communications and marketing programs to increase the visibility of the dental school and to enhance its identity to various constituents. The public relations team promotes not only the dental school, but also the school's students, faculty, staff, alumni, and clinics, through effective media relations, Web communicates, event planning, publication development, and marketing strategies. In addition, the Office of Public Relations is responsible for producing Contact Point, the school's alumni magazine.

Postgraduate Studies

The division of postgraduate studies provides dynamic multidisciplinary continuing education programs for members of the dental and other health professions. Program formats include didactic, laboratory workshops, and hands-on clinical sessions with live-patient treatment, or any combination thereof. Programs range from half-day to multiple sessions. The division offers more than 90 courses each year that are presented by many of the profession's outstanding leaders. Annual

attendance at clinical and lecture presentations exceeds 5,000 dentists and dental auxiliaries. Courses are offered at the dental school as well as throughout California, the United States, and in foreign countries.

Dental students and faculty receive discounted rates to attend continuing education courses offered by the division. Tuition charges are minimal for students and faculty depending on the particular program. Recent Pacific graduates are entitled to enroll in two open enrollment lecture courses by presenting their graduation coupons at the time of registration for a postgraduate studies program.

Licensure in California

To practice in California graduates must pass the Dental Board of California Licensure Examination or the Western Regional Examination Board (WREB). Both examinations are given at various sites throughout the year. University of the Pacific graduates have the opportunity to take the WREB at the school just prior to graduation and with the approval of the Dean. All states require successful completion of the National Board Dental Examination to be eligible for licensure examinations. National Dental Board Examinations are given in two parts: Part I covers basic sciences and Part II covers dental sciences. Successful completion of Part I is required before Part II may be taken. Passage of Part II is a condition of graduation from the School of Dentistry.

Administration

Patrick J. Ferrillo, Jr., DDS
Dean

Craig S. Yarborough, BS, DDS, MBA
Executive Associate Dean

Robert H. Christoffersen, BS, DDS, MA
Associate Dean for Operations

Arthur A. Dugoni, DDS, MSD
Dean Emeritus and Professor of Orthodontics
Senior Executive for Development

Richard E. Fredekind, BS, DMD, MA
Associate Dean for Clinical Services

Eddie K. Hayashida AB, DDS, MBA
Associate Dean for Administration

Nader A. Nadershahi, DDS, MBA

Acting Associate Dean for Academic Affairs

David B. Nielsen, BA, DDS, MA
Assistant Dean for International Programs and Alumni Affairs

Diarmuid Shanley, FDS, MSD
Associate Dean for Global Affairs

Stefan Highsmith, PhD
Research Coordinator

Kara C. Bell, BS
Director of Human Resources

Daniel J. Bender, BA, MA, EdD
Director of Academic Affairs

Roy C. Bergstrom, BA, MA, PhD, MBA
Director of Budget and Data Analysis

Kathy Candito
Director of Student Services

Eve J. Cuny, BA, MS
Director of Environmental Health and Safety

Audrey Goodell, Bachelor of Music
Director of Fiscal Services

Berney R. Neufeld, BA, MA, PhD
Director of Institutional Advancement

Kara A. Sanchez, BA
Director of Public Relations

Joan M. Yokom, BS
Director of Design and Photo

Ex-officio:

Leigh Anderson, BS, DDS, PhD
Chair, Dental Faculty Council

Mari Okamura
Directors/Managers Representative

Emeritus Faculty

Those designated Professor Emeritus have served the university for more than ten years as tenured associate or full professors, and retired at age 65 or older. Others who served the university with a distinction for five or more years have been granted the title Emeritus on the recommendation of the University's Executive Policy Committee. Years of service are indicated in parentheses.

Edward P. Boero, DDS

Professor Emeritus of Prosthetic Dentistry (1935 - 1968)

Ronald F. Borer, DDS

Professor Emeritus of Endodontics (1971 -2000)

Edwin P. Brown, DDS

Professor Emeritus of Endodontics (1955 -1956; 1965 - 1987)

Delmar W. Byerly, DDS

Professor Emeritus of Removable Prosthodontics (1968 - 1986)

Jack G. Chamberlain, PhD

Professor Emeritus of Anatomy (1972 - 1993)

Fletcher M. Craig, DDS

Professor Emeritus of Operative Dentistry (1964 - 1991)

Arthur E. Dibble, DDS

Professor Emeritus of Fixed Prosthodontics (1973 -1989)

Benjamin E. Dooley, DDS

Professor Emeritus of Operative Dentistry (1980 -1996)

Arthur A. Dugoni, DDS, MSD

Professor Emeritus of Orthodontics (1951-2006)

Dean Emeritus (1978-2006)

Alfred E. Gilmour, MA

Associate Dean Emeritus, Student Affairs (1967 - 1990)

Raymond J. Graves, DDS

Professor Emeritus of Diagnostic Sciences (1968 - 1977)

Walter Hall, DDS

Professor Emeritus of Periodontics (1972 - 2002)

Milton C. Lambertson, BA

Associate Dean Emeritus of Business and Financial Services (1954 - 1996)

Arthur M. LaVere, DDS

Professor Emeritus of Removable Prosthodontics (1968 - 1998)

Alan S. Leider, DDS

Professor Emeritus of Diagnostic Sciences (1975 - 1998)

Ernest H. Moser, Jr., DDS
Professor Emeritus of Periodontics (1963 -1977)

Dale F. Redig, DDS
Professor Emeritus of Pediatric Dentistry
Dean Emeritus (1969 - 1978)

Robert J. Sarka, DDS
Professor Emeritus of Removable Prosthodontics (1981 - 2004)

Roland C. Smith, DDS
Professor Emeritus of Removable Prosthodontics (1968 - 1998)

Don E. Strub, DDS
Professor Emeritus of Diagnostic Sciences, Radiology (1966 - 1993)

Paul R. Thomassen, Jr., DDS
Professor Emeritus of Diagnostic Sciences, Oral Diagnosis and Treatment
Planning (1946 - 1986)

John J. Tocchini, DDS
Professor Emeritus of Pediatric Dentistry (1937 - 1973)
Dean Emeritus (1953 - 1967)

Faculty

Robert H. Ahlstrom
Associate Professor of Removable Prosthodontics
BS, Arizona State University, 1972
DDS, University of the Pacific, 1975
MS, University of North Carolina, Chapel Hill, 1977

Tamer Alpagot
Associate Professor of Periodontics
Hacettepe University, Ankara, Turkey, 1981
DDS, Ege University, Izmir, Turkey, 1983
PhD, Hacettepe University, Ankara, Turkey, 1986

PhD, University of Minnesota, 1995

Leigh Charles Anderson

Professor of Anatomy

BS, University of Minnesota, 1967

DDS, University of Minnesota, 1977

PhD, University of Minnesota, 1979

Roy C. Bergstrom

Associate Professor of Dental Practice

BA, Knox College, 1973

AM, University of Illinois, 1975

PhD, University of Illinois, 1980

MBA, University of the Pacific, 1999

Robert L. Boyd

Professor of Orthodontics

Indiana University, 1966

DDS, Temple University, 1970

MEd, University of Florida, 1981

Alan W. Budenz

Professor of Dental Practice

BS, Oregon State University, 1972

MS, University of California, Los Angeles, 1977

BS, University of California, San Francisco, 1982

DDS, University of California, San Francisco, 1982

MBA, University of the Pacific, 1999

Dorothy T. Burk

Associate Professor of Anatomy

BA, University of New Hampshire, 1972

PhD, University of Michigan, 1976

MA, University of the Pacific, 1994

William M. Carpenter

Professor of Pathology and Medicine

DDS, University of Pittsburgh, 1964

MS, George Washington University, 1973

David William Chambers
Professor of Dental Practice
AB, Harvard University, 1965
EdM, Harvard University, School of Education, 1966
PhD, Stanford University, School of Education, 1969
MBA, San Francisco State University, 1979

Neeta Chandwani
Assistant Professor of Pediatric Dentistry
MS, Jaihind College, Bombay University, India, 1982
BDS, Government Dental College and Hospital, Bombay University, 1986
MSD, Goldman School of Dentistry, Boston University, 1990

Elisa Marie Chavez
Assistant Professor of Removable Prosthodontics
BS, Saint Mary's College of California, 1990
DDS, University of California, San Francisco, 1994

Howard H. Chi
Associate Professor of Dental Practice
BA, University of the Pacific, 1985
DMD, Temple University, 1989
MA, University of the Pacific, 2000

Heon Jae Cho
Associate Professor of Orthodontics
DDS, Seoul National University, 1983
MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1989
Ph.D., Seoul National University, 1995

Robert H. Christoffersen
Professor of Restorative Dentistry
BA, San Francisco State University, 1963
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1967
MA, University of the Pacific, 1980

Arthur A. Dugoni
Professor of Orthodontics
BS, Gonzaga University, 1944

DDS, College of Physicians & Surgeons, 1948
MSD, University of Washington, 1963

Nejat A. Duzgunes
Professor of Microbiology
BS, Middle East Technical University, Ankara, Turkey, 1972
PhD, State University of New York at Buffalo, 1978

Fred J. Fendler
Assistant Professor of Dental Practice
BS, University of San Francisco, 1970
DDS, University of the Pacific, 1974

Patrick J. Ferrillo
Professor of Endodontics
BS, Georgetown University, Washington D.C., 1973
DDS, Baylor College of Dentistry, Dallas, TX, 1976

Elena Maria Francisco
Assistant Professor of Periodontics
BS, Loma Linda University, 1976
MS, Idaho State University, 2007

Richard E. Fredekind
Professor of Dental Practice
B.S., University of Idaho, 1975
D.M.D., Tufts University School of Dental Medicine, 1979
Certificate, Highland General Hospital, 1980
M.A., University of the Pacific, 1994

James Anthony Garibaldi
Associate Professor of Oral and Maxillofacial Surgery
BS, St. Mary's College of California, 1976
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1979
MA, University of the Pacific, 1994

Marc J. Geissberger
Associate Professor of Restorative Dentistry
BS, St. Mary's College of California, 1988
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry 1991
MA, University of the Pacific, 1994

Lola Giusti

Assistant Professor of Removable Prosthodontics

University of California, Davis, 1976

DDS, University of Southern California, 1981

Wadsworth V.A. Hospital, 1982

Paul Glassman

Professor of Dental Practice

BA, University of California, Los Angeles, 1968

DDS, University of California, San Francisco, 1972

MA, University of the Pacific, 1994

MBA, University of the Pacific, 1999

Alan H. Gluskin

Professor of Endodontics

BA, University of California, Los Angeles, 1968

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1972

Lisa A. Harpenau

Associate Professor of Periodontics

BS, Loyola Marymount University, 1986

DDS, University of California, San Francisco, 1990

BS, University of California, San Francisco, 1990

MS, Baylor University Graduate School, 1992

MBA, University of the Pacific, 1999

Eddie K Hayashida

Associate Professor of Restorative Dentistry

AB, University of California, Berkeley, 1971

DDS, University of California, Los Angeles, 1976

MBA, University of the Pacific, 1999

Stefan Highsmith

Professor of Biochemistry

BA, University of California, Berkeley, 1966

PhD, Massachusetts Institute of Technology, 1972

Terry Edwin Hoover

Assistant Professor of Dental Practice

AB, Stanford University, 1968

DDS, University of California, San Francisco, 1972

Deborah J. Horlak

Assistant Professor of Periodontics

BA, Ohio State University, 1973

MA, California State University, Fresno, 2003

A. Thomas Indresano

Professor of Oral and Maxillofacial Surgery

AB, Boston University, 1967

DMD, Harvard University School of Dental Medicine, 1971

Lisa E. Itaya

Assistant Professor of Dental Practice

BS, Cal Poly State University, 1987

DDS, University of the Pacific, 1998

Bahram Javid

Associate Professor of Oral and Maxillofacial Surgery

BDS, Sutherland Dental School, Durham University, Newcastle, England, 1956

DMD, School of Dental Medicine, Tufts University, 1960

Brian J. Kenyon

Associate Professor of Restorative Dentistry

BA, Brown University, 1979

DMD, Tufts University, 1982

Jeffrey S. Kirk

Assistant Professor of Dental Practice

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1990

Balint G. Kokas

Assistant Professor of Dental Practice

BA, University of North Carolina, 1973

DDS, University of North Carolina, 1988

Eugene Edward LaBarre

Associate Professor of Removable Prosthodontics

BA, Harvard University, 1973

DMD, Tufts University, 1977

MS, University of North Carolina, 1981

Joseph V. Levy
Professor of Physiology
BA, Stanford University, 1950
MS, University of California, Los Angeles, 1956
PhD, University of Washington, 1959

Armand A. Lugassy
Professor of Restorative Dentistry
BS, Lycee of Fez, Morocco, 1955
ChD, Faculty of Medicine and Pharmacy of Toulouse, France, 1959
DDS, University of Pennsylvania, 1962
PhD, University of Pennsylvania, 1968

William P. Lundergan
Professor of Periodontics
AA, College of the Sequoias, 1970
BS, University of California, Irvine, 1973
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1981
MA, University of the Pacific, 1994

Lucinda J. Lyon
Assistant Professor of Dental Practice
BS, University of Southern California, 1978
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1986

Michael A. Magtoto
Assistant Professor of Dental Practice
DMD, University of the East, 1997

Phillip W. Merrell
Associate Professor of Pathology and Medicine
BS, Indiana University, 1968
DDS, Indiana University, 1971

Gregory Steven Meyers
Assistant Professor of Periodontics
BA, University of California, Los Angeles, 1992
DDS, Case Western Reserve University School of Dentistry, 1996
MSD, Cert, Case Western Reserve University, Department of Periodontics, 2000

Jeffrey P. Miles
Assistant Professor of Restorative Dentistry

BA, University of California, Santa Barbara, 1976
DDS, University of California, San Francisco, 1980

Daniel A. Mobati
Assistant Professor of Oral and Maxillofacial Surgery
BS, University of California at Los Angeles, 1989
DDS, University of California School of Dentistry, 1993
MD, New York Medical College, School of Medicine, 2001

Alexander J. Murphy
Professor of Biochemistry
BS, Brooklyn College, 1962
PhD, Yale University, 1967

Nader A. Nadershahi
Associate Professor of Dental Practice
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1994
MBA, University of the Pacific, 1999

Anders Nattestad
Professor of Oral and Maxillofacial Surgery
DDS, University of Copenhagen, Denmark, 1986
PhD, Dental School, University of Copenhagen, 1991
PhD, Royal Dental College, 1992

David Bruce Nielsen
Associate Professor of Dental Practice
AA, Glendale Community College, 1960
BA, Los Angeles State College, 1962
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1967
MA, University of the Pacific, 1994

Bruce Peltier
Professor of Dental Practice
BS, United States Military Academy, West Point, 1970
MEd, Wayne State University, West Berlin, 1974
PhD, Wayne State University, Detroit, 1979
MBA, University of the Pacific, 1999

Ove Andreas Peters
Professor of Endodontics
PhD, University of Kiel, 1992
DDS, PhD, University of Zurich Dental School, Switzerland, 2001

MS, University of California, San Francisco, 2003

Gitta Radjajepour

Assistant Professor of Restorative Dentistry

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1992

Eric S. Salmon

Assistant Professor of Dental Practice

BS, Harvey Mudd College, 1993

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1999

Gurminder Sidhu

Assistant Professor of Dental Practice

BDS, Manipal Academy of Higher Education, India, 2001

BRS, Dental College, India, 2002

MS, College of Dentistry, University of Iowa, 2005

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2006

Ai B. Streaker

Assistant Professor of Restorative Dentistry

BS, San Diego State University, San Diego, CA, 1976

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1979

Paul Subar

Assistant Professor of Dental Practice

BA, University of California, Santa Cruz, 1989

DDS, University of California, Los Angeles, 1993

Marie Milena Tolarova

Professor of Orthodontics

MD, Charles University School of Medicine, Prague, Czechoslovakia, 1965

PhD, Czechoslovak Academy of Sciences & Charles University School of Medicine, 1979

DSc, Czechoslovak Academy of Sciences, Prague, Czechoslovakia, 1986

Jessie Vallee

Assistant Professor of Restorative Dentistry

BS, University of the Pacific, 2001

DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, 2004

Paula Watson

Assistant Professor of Periodontics

AS, Foothill College, 1990

BS, Chapman University, 2001

MS, University of New Haven Connecticut, 2004

A. Jeffrey Wood

Professor of Pediatric Dentistry

BS, Virginia Commonwealth University, 1980

DDS, Medical College of Virginia, 1984

Russell G. Woodson

Assistant Professor of Dental Practice

BS, Arizona State University, 1976

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1979

MA, University of the Pacific, 1994

Craig S. Yarborough

Associate Professor of Dental Practice

BS, University of the Pacific, 1977

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1980

MBA, University of the Pacific, 1999

Douglas A. Young

Associate Professor of Dental Practice

BA, University of California, Berkeley, 1977

DDS, BS, University of California, San Francisco, 1981

MBA, University of the Pacific, 1999

MS, University of California, San Francisco, 2000

Ian M. Zlotolow

Professor of Removable Prosthodontics

BS, Ohio State University, Columbus, 1966

DMD, University of Louisville, 1970

Adjunct Faculty

Hesham Amer

Adjunct Assistant Professor of Orthodontics

BDS, Cairo University, Egypt, 1995

MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2001

Preetha Arun

Adjunct Instructor of Dental Practice

BDS, Madras Dental College, 1992

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1997

Maryse M. Aubert

Adjunct Associate Professor of Orthodontics

DDS, University Paris V, 1976

MA, University of the Pacific, 1994

Alex Axelrode

Adjunct Associate Professor of Orthodontics

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1958

Shelly Azevedo

Adjunct Instructor of Periodontics

BS, Loma Linda University, 1984

MS, Touro University, 2007

Franklin G. Ballard

Adjunct Assistant Professor of Endodontics

BA, Northwest Nazarene College, 1965

DDS, Loma Linda, 1969

Eric Donald Barnes

Adjunct Instructor of Oral and Maxillofacial Surgery

BS, University of California, Berkeley, 1996

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2003

Craig Yale Bloom

Adjunct Associate Professor of Oral and Maxillofacial Surgery

BA, Boston University, 1967

DMD, University of Pennsylvania Dental School, 1971

Roger P. Boero

Adjunct Associate Professor of Orthodontics

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1964

MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1995

Carol T. Bongiovanni

Adjunct Assistant Professor of Orthodontics

BS, Rensselaer Polytechnic Institute, 1989

DMD, Tufts University School of Dental Medicine, 1993

Andrea S. Braun

Adjunct Assistant Professor of Dental Practice

BS, Emory University Atlanta Georgia, 1978
DDS, New York University, College of Dentistry, 1982

Charles R. Breckenridge
Adjunct Associate Professor of Oral and Maxillofacial Surgery
BA, Pacific Union College, 1961
DDS, Loma Linda University, 1965

Michael E. Brisbin
Adjunct Instructor of Dental Practice
BS, University of California, Davis, 1964
DDS, Columbia University, New York, 1968

William Paul Brown
Adjunct Assistant Professor of Endodontics
DDS, University of Detroit, 1968

Lynn B.K. Bui
Adjunct Assistant Professor of Periodontics
DDS, Northwestern University, 1999
MPH, University of Pittsburgh, 2004
MA, University of Pittsburgh, 2004

George E. Bunnell
Adjunct Associate Professor of Dental Practice
BS, University of San Francisco, 1962
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1967

Jeffrey Marshall Caputo
Adjunct Instructor of Oral and Maxillofacial Surgery
BS, University of California, San Diego, 1998
DDS, University of Southern California, 2005

Christopher J. Catalano
Adjunct Instructor of Restorative Dentistry
BS, St. Mary's College of California, 1988
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1991

Vicente Chavez
Adjunct Instructor of Oral and Maxillofacial Surgery
BA, Sonoma State University, Rohnert Park, CA, 2002
DDS, University of California, San Francisco, 2006

Benjamin Chew
Adjunct Instructor of Dental Practice
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1989

Francis H. Chung
Adjunct Instructor of Oral and Maxillofacial Surgery
BS, University of Washington, 1991
DDS, Columbia University School of Dentistry and Oral Surgery, 1995

Leif B. Cobain
Adjunct Assistant Adjunct Professor of Orthodontics
BA, University of California, Santa Barbara, 1999
DDS, University of the Pacific, Arthur A Dugoni School of Dentistry, 2003
MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2005

David J. Crippen
Adjunct Assistant Professor of Pediatric Dentistry
BS, University of Washington, 2001
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2004

Dorothy E. Dechant
Adjunct Assistant Professor of Anatomy
BA, University of California, Berkeley, 1973
MA, University of California, Berkeley, 1978
PhD, University of California, Berkeley, 1982

Donald Hayes Devlin
Adjunct Professor of Oral and Maxillofacial Surgery
DDS, University of California, San Francisco, 1949

Steven A. Dugoni
Adjunct Associate Professor of Orthodontics
DMD, Tufts University, 1979
MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1981

Michael Dumas
Adjunct Associate Professor of Oral and Maxillofacial Surgery
DMD, Tufts University, 1956
PhD, University of California, 1964

David Ehsan
Adjunct Assistant Professor of Oral and Maxillofacial Surgery
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1995

MD, University of Nebraska, 1999

Parvaz Farnad

Adjunct Instructor of Oral and Maxillofacial Surgery

BS, BA, University of California, Los Angeles, 1998

MS, University of California, Los Angeles, 2000

DDS, University of California, Los Angeles, 2004

Nava Fathi

Adjunct Assistant Professor of Endodontics

BS, University of California, Irvine, 1992

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1995

Caterina L. Fiorentino

Adjunct Instructor of Dental Practice

BA, Sonoma State University, Rohnert Park., 1994

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1998

Stuart Lund Frost

Adjunct Assistant Adjunct Professor of Orthodontics

DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, 1992

Robert W. Fry

Adjunct Associate Professor of Orthodontics

DDS, University of Missouri, Kansas City, 1973

MS, University of North Carolina, 1977

Bella Shen Garnett

Adjunct Assistant Professor of Orthodontics

BA, Stanford University, 1997

DMD, Harvard School of Dental Medicine, 2001

MMS, Harvard School of Dental Medicine, 2004

Robert E. Griffin

Adjunct Assistant Professor of Orthodontics

DDS, Northwestern University, 1963

Charles Wilber Halterman

Adjunct Assistant Professor of Pediatric Dentistry

BS, Chico State College, 1976

DDS, University of California, San Francisco, 1980

MA, Chico State University, 1993

Suhair Salim Hanhan
Adjunct Instructor of Dental Practice
BS, San Francisco State University, 2000
DDS, University of California, San Francisco, 2004

Stephen J. Hannon
Adjunct Assistant Professor of Orthodontics
BS, Washington & Lee University, 1971
DDS, Georgetown University, 1975
MS, West Virginia University, 1978

Raynor Harmeson
Adjunct Assistant Professor of Dental Practice
DDS, Loyola Dental School, 1968

Harry H. Hatasaka
Adjunct Associate Professor of Orthodontics
DDS, Northwestern University, 1954
MSD, University of Washington, 1960

Philip Hordiner
Adjunct Instructor of Dental Practice
DDS, Northwestern University, 1958

Ken Hovden
Adjunct Assistant Professor of Endodontics
BA, Stanford University, 1978
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1981

Robert G-Hong Hsu
Adjunct Assistant Professor of Endodontics
DDS, Columbia University, 1997
MS, Loma Linda University, 2003

Jeff Paul Huston
Adjunct Associate Professor of Pediatric Dentistry
BA, Indiana University, 1977
DDS, Indiana University School of Medicine, 1979
MA, Indiana University School of Medicine, 1979

Matthew J. Hutchinson
Adjunct Instructor of Oral and Maxillofacial Surgery
BS, Washington State University, 1999

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2005

Timothy D. Irish

Adjunct Assistant Professor of Orthodontics

BA, University of California, San Diego, 1987

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1990

Salvia Javidan-Nejad

Adjunct Assistant Professor of Endodontics

DDS, Northwestern University, 1998

Herbert W. Kaplan

Adjunct Associate Professor of Orthodontics

DDS, Ohio State University, 1962

MS, University of Detroit School of Dentistry, 1977

Sam F. Khoury

Adjunct Instructor of Oral and Maxillofacial Surgery

BS, Santa Clara University, 1999

DMD, University of Pittsburgh, 2005

Peter C. Knudson

Adjunct Associate Professor of Orthodontics

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1966

MS, Loyola University, 1969

Anne-Li Knuut

Adjunct Assistant Professor of Endodontics

DDS, University of Toronto, Canada, 1980

BS, University of Southern California, 1985

Andrew S. Kouvaris

Adjunct Assistant Professor of Orthodontics

BS, Santa Clara University, 1999

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2002

MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2004

David W. Lee

Adjunct Assistant Adjunct Professor of Pediatric Dentistry

D.D.S., University of the Pacific School of Dentistry, 1988

A.B., University of California at Berkeley, 1991

Gregory Scott Lee
Adjunct Assistant Professor of Oral and Maxillofacial Surgery
BA, University of the Pacific, 1984
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1987

Wendy Peiwen Liao
Adjunct Instructor of Oral and Maxillofacial Surgery
BA, University of California, Berkeley, 1999
BA, University of California, Berkeley, 1999
DDS, University of California, Los Angeles, 2004

William S. Lieber
Adjunct Associate Professor of Orthodontics
BS, Tufts University, 1962
DMD, University of Pennsylvania School of Dental Medicine, 1966
MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2001

Donald W. Linck II
Adjunct Assistant Professor of Orthodontics
DDS, University of California, San Francisco, 1963

Peter E. Lyu
Adjunct Assistant Professor of Oral and Maxillofacial Surgery
DDS, Loma Linda University, College of Dentistry, Loma Linda, CA, 1999
MD, University of Kentucky, College of Medicine, Lexington, KY, 2003

Allan M. Malkasian
Adjunct Assistant Professor of Oral and Maxillofacial Surgery
DDS, University of Illinois College of Dentistry, 1964

Daniel C. Martin
Adjunct Instructor of Oral and Maxillofacial Surgery
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2005

William J. Marweg
Adjunct Assistant Professor of Endodontics
DDS, University of California at San Francisco, 1989

Cameron K. Mashouf
Adjunct Associate Professor of Orthodontics

DDS, University of Tehran, 1967

Jade A. Miller

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of Nevada, Reno, 1978

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1981

Scott W. Milliken

Adjunct Assistant Professor of Periodontics

BA, San Jose State University, 1984

DDS, University of Pacific, Arthur A. Dugoni School of Dentistry, 1987

MS, Northwestern University, 1989

Anthony Mock

Adjunct Instructor of Dental Practice

AB, University of California, Berkeley, 1975

DDS, Case Western Reserve University Dental School, 1980

Kenneth E Moore II

Adjunct Instructor of Dental Practice

BS, University of California, San Diego, 2004

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2007

Manuel F. Morales

Adjunct Professor of Physiology

AB, University of California, 1939

MA, Harvard University, 1941

PhD, University of California, 1942

John Muller

Adjunct Assistant Professor of Periodontics

BS, University of San Francisco, 1978

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1985

Shahram Nabipour

Adjunct Assistant Professor of Orthodontics

BS, San Francisco State University, 1992

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2003

MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2005

Pany Naeimi

Adjunct Instructor of Dental Practice

BS, University of California, Davis, 1996

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2000

John A. Neves

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of California, 1998

DMD, Nova Southeastern University, 2004

Owen Nichols

Adjunct Assistant Professor of Orthodontics

AB, Dartmouth College, 1958

DDS, University of Pennsylvania, 1962

Rosaura Pacheco

Adjunct Assistant Professor of Dental Practice

BA, University of California, Santa Cruz, 1987

DDS, University of California, Los Angeles, 2000

Cheol-Ho Paik

Adjunct Associate Professor of Orthodontics

DDS, Seoul National University, Dental College, 1983

PhD, Tsurumi University Dental School, 1990

Brigitte Papahadjopoulos-Sternberg

Adjunct Associate Professor of Microbiology

BS, Karl-Marx-University and Humboldt University, Berlin, 1971

PhD, Humboldt University, Berlin, 1976

Thomas R. Pitts

Adjunct Associate Professor of Orthodontics

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1965

MSD, University of Washington, 1970

Katerina Polosukhina

Adjunct Assistant Professor of Biochemistry

MS, D.I. Mendeleev Russian Chemico-Technological University, 1982

PhD, Institute of Developmental Biology, Russian Academy of Science, 1994

David B. Poor
Adjunct Associate Professor of Oral and Maxillofacial Surgery
BA, Windham College, 1974
DMD, Tufts University, 1982

Alexander Pritsky
Adjunct Assistant Professor of Periodontics
BMedSc, Tel-Aviv University, 1997
DMD, Tel-Aviv University, 2000

Sarah Rashid
Adjunct Assistant Adjunct Professor of Orthodontics
BDS, Kings College London, 1983
MSc, University of London, 2001

W. Ron Redmond
Adjunct Associate Professor of Orthodontics
BA, University of California, Riverside, 1962
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1966
MS, University of Southern California, 1970

Straty S. Righellis
Adjunct Associate Professor of Orthodontics
DDS, University of California, Los Angeles, 1967
MSD, University of California, Los Angeles, 1973

Mauricio Ronderos
Adjunct Assistant Professor of Periodontics
DDS, Pontificia Universidad Javeriana, 1992
MPH, University of Minnesota, 1999
MS, University of Minnesota, 1999

Bert D. Rouleau
Adjunct Assistant Professor of Orthodontics
BS, University of Vermont, 1975
MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2006
DMD, Tufts University, 2006

Steven Ryan

Adjunct Assistant Professor of Periodontics
BS, California Polytechnic Institute, San Luis Obispo, 2000
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2003

Charles E. Sackett
Adjunct Assistant Professor of Pediatric Dentistry
BS, University of San Francisco, 2000
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2003

Ronald J. Sani
Adjunct Assistant Professor of Dental Practice
BS, University of California, Santa Cruz, 1972
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1975

Jack Saroyan
Adjunct Assistant Professor of Dental Practice
BA, University of California, Berkeley, 1958
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1962

Donald C. Schmitt
Adjunct Assistant Professor of Pediatric Dentistry
BA, University of California, Berkeley, 1993
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1999

Joseph H Schulz
Adjunct Associate Professor of Endodontics
AB, Rutgers University, 1967
DDS, Temple University, 1972

C. Ray Sheppard
Adjunct Instructor of Dental Practice
DDS, University of Pittsburgh, 1972
BS, California State University, Hayward, 1972

Richard Stephen Sobel
Adjunct Associate Professor of Pediatric Dentistry
BA, Queens College, New York, 1963
DDS, State University of New York at Buffalo, School of Dentistry, 1967

Alireza Michael Sodeifi

Adjunct Assistant Professor of Oral and Maxillofacial Surgery
DMD, Harvard School of Dental Medicine, 1997
MD, Vanderbilt University School of Medicine, 2007

Joshua J. Solomon
Adjunct Assistant Professor of Pediatric Dentistry
BS, University of the Pacific, 1998
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2001
MS, University of Texas, Houston, 2003

Peter Anderson Spanganberg
Adjunct Instructor of Oral and Maxillofacial Surgery
BS, Brigham Young University, 1998
DDS, University of Maryland, 2003

Stanley R. Surabian
Adjunct Associate Professor of Dental Practice
DDS, University of Southern California, 1969
JD, San Joaquin College of Law, 1992

Douglas B. Tinloy
Adjunct Assistant Professor of Orthodontics
BS, University of California, San Francisco, 1978
DDS, University of California, San Francisco, 1978

Claire E. Tyler
Adjunct Instructor of Dental Practice
BS, University of California, Los Angeles, 2000
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2003

Laleh Vakili
Adjunct Assistant Professor of Pediatric Dentistry
DMD, University of Pennsylvania, 1998

Natalia Vasylyk
Adjunct Assistant Professor of Orthodontics
DDS, Leningrad First Medical School, Russia, 1985

Adrian M. Vogt
Adjunct Assistant Professor of Orthodontics
BS, University of Western Ontario, 1988
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1992

MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1994

Stephen Takashi Gong Wat

Adjunct Instructor of Oral and Maxillofacial Surgery

BS, University of California, Los Angeles, California, 2003

DDS, University of Pacific, Arthur A. Dugoni School of Dentistry, 2006

Russell I. Webb

Adjunct Associate Professor of Oral and Maxillofacial Surgery

BS, University of California, Los Angeles, 1968

DDS, University of California, Los Angeles, 1978

Lynne M. Wong

Adjunct Assistant Professor of Dental Practice

BS, San Francisco State University, 1998

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2002

Bobby Yang

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of Arizona, 1998

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2003

Professional Organizations

Social, fraternal, and professional organization memberships are open to all students in the doctoral program. Opportunities to establish associations that will endure throughout graduates' lifetimes are described below.

Associated Students

The Associated Student Body of the University of the Pacific, Arthur A. Dugoni School of Dentistry is composed of all students enrolled in the doctoral program. Business affairs of the organization are conducted by the Student Executive Council which consists of the elected student body officers, the president and vice president of each class, and elected representatives to selected agencies of organized dentistry. Any student may meet with the Student Executive Council, but only duly elected officers may vote on issues under consideration. Students are represented on the following school committees: Curriculum; Library; Faculty Appointment, Promotion, and Tenure; Student Appeals; Ethics; Museum; Postgraduate Studies; Safety; Store; Student Clinic Advisory; Infection Control; and Academic Advisory.

School of Dentistry Alumni Association

The Alumni Association of the University of the Pacific, Arthur A. Dugoni School of Dentistry, has two membership categories: 1) members are all graduates of the school; and 2) associate members are dentists who graduated from other schools

and who join the association. The alumni association is highly effective in its efforts to protect the public interest, improve dental education, and expand the horizons of the profession of dentistry. The institution, its excellent reputation, and its unequalled physical facilities are the direct result of unswerving loyalty and active support of its alumni association. The association's interest in the total university program is further demonstrated by School of Dentistry alumni representation on the board of directors of the Pacific Alumni Association.

Through a student-alumni committee, the association sponsors recreational events throughout the year and assists student participation in organized intra- and extramural events such as the city softball league, Bay to Breakers race, and various golf, basketball, and softball tournaments.

Officers

Darryl L. Lee '77
President

Marvin B. Carnow '74A
President-Elect

Debra A. Woo '86
Vice President

Marc J. Geissberger '91
Treasurer

F. Paul Senise '65
Secretary

Arthur A. Dugoni '48
Dean Emeritus

David B. Nielsen '67
Executive Director

Board of Directors

Preetha Arun '97 IDS

Glenn S. Belen '82

Daniel M. Castagna '81

Wai M. Chan '79

Eric K. Curtis '85

Shahrazad Dehdari '95

Bella A. Doshi '95

Kimberly A. Fanelli '06 DH

Robert D. France '74B

Julie L. Greenlaw-O'Toole '93
Bonnie J. Morehead '79
J. Bradley Morris '91
Nader A. Nadershahi '94
Ryle A. Radke, Jr., Associate
Gabrielle D. Rasi '91
Suzanne Saidi '91
Eugene T. Santucci, Associate
Sharareh Tajbakhsh '01
Ryan M. Tennant '05
William A. van Dyk '73
Frances H. Yankie '95

Student Representatives

David C. Bird '09
Lyndsey M. Bryant '08 DH
Trevor Hu '08 IDS
Swati Pappu '09 IDS
Christine A. Phan '08
Lauren M. Young '10

Ex-officio

Dr. Patrick J. Ferrillo, Jr.
Dean

Berney R. Neufeld, PhD
Director of Institutional Advancement

PDEF Board Representatives

Gary M. Mitchell
PDEF President

STAFF

Ms. Joanne Fox
Coordinator

Ms. Andrea Woodson
Administrative Assistant

Pacific Dental Education Foundation

The Pacific Dental Education Foundation (PDEF) is a group of volunteers working closely with the Dean and the development team promoting philanthropy on behalf of the School of Dentistry. The mission of the PDEF is to ensure that the University of the Pacific Arthur A. Dugoni School of Dentistry has the resources it needs to realize its visions and goals.

The board shares the school's commitment to excellence and measures success by the joy it brings to donors, by the funds it raises, by the fundraising programs it initiates, and by the continuing recruitment and retention of new, effective board members.

Pacific Dental Education Board

Mr. Gary Mitchell, President	Dr. W. Ron Redmond '66
Dr. Daniel Tanita, '73, Immediate Past President	Dr. Catherine Lambetecchio '87
Dr. Patrick Ferrillo, Jr., Dean	Drs. Michael, '85, and Jill '98 Lasky
Dr. Arthur A. Dugoni '48, Dean emeritus	Dr. Martyn F. Rosa '65
Dr. Sigmund H. Abelson '66	Dr. Stephen C. Rose, '79
Dr. Edmond Bedrossian '86	Dr. Joshua Solomon, '98
Dr. Gerald L. Bittner, Jr. '85	Mr. Steven E. Turet
Dr. Susan A. Bittner '74A	Dr. Colin Wong '65
Mr. Michael P. Carroll	
Mr. D. Fred de Roode	
Dr. James N. Ence '77	
Dr. Joseph Errante '80	
Dr. John W. Feaster, 74A	Ex Officio
Dr. Michael L. Fox '82	Dr. Marvin Carnow '74
Dr. Scott T. Jacks 74B	Dr. Berney Neufeld
Ms. Bonnie Jean Kwong	
Dr. Catherine A. Lambetecchio '87	Dr. Craig S. Yarborough '80
Dr. Ted I. Leland, '70	

Fraternal Organizations

National Dental Fraternities

Two chapters of national dental fraternities are active at the School of Dentistry: Alpha Omega and Delta Sigma Delta.

American Student Dental Association (ASDA)

All University of the Pacific dental students are members of ASDA and, concurrently, student members of the American Dental Association with all the

rights and privileges of such membership. Benefits are detailed in publications distributed by these organizations.

California Dental Association (CDA)

University of the Pacific dental students were the first in California's to avail themselves of the student membership category offered by the California Dental Association. Modest annual dues provide each student member with CDA publications, access to CDA meetings without charge, and the opportunity to enroll in a CDA-sponsored health plan.

American Dental Education Association (ADEA)

The Council of Students is one of several councils of ADEA. The school's elected representatives to the council participate in the ADEA annual session and regional meetings. The Council of Students has an administrative board consisting of a vice president who serves on the ADEA executive committee, and a chair, vice chair, secretary, and member-at-large. The council elects several student delegates who have full voting privileges in the ADEA House of Delegates.

Phi Kappa Phi

Each year DDS and IDS students who demonstrate the highest academic achievement are inducted into Phi Kappa Phi, a national multi-disciplinary honor society.

Omicron Kappa Upsilon

The Delta Delta chapter of the national dental honor fraternity, Omicron Kappa Upsilon, was organized at the dental school in 1934. Its purpose is to encourage scholarship and to advance ethical standards of the dental profession. Membership is limited to twelve percent of the graduating DDS and IDS classes, selected by faculty vote on the basis of scholarship and character.

Tau Kappa Omega

In 1927 Alpha Chapter of an undergraduate honor society, Tau Kappa Omega, was organized for promotion of honor and service to the school. Students are elected to the fraternity on the basis of ideals and scholarship.

SCOPE (Student Community Outreach for Public Education)

The Student Community Outreach for Public Education program (SCOPE) is a student-run organization at the School of Dentistry. Created in 1994, the program's mission is to involve students and faculty in oral health projects directed toward community needs. Students take an active role in sponsoring or participating in activities such as screenings, presentations and educational sessions for children, families and senior citizens in the Bay Area. SCOPE also helps foster a sense of community health awareness and civic pride in Pacific dental students, a characteristic that will follow them through graduation into

private practice. Throughout the year, students, faculty, and staff volunteer their time at numerous health fairs, senior centers, elementary and non-profit agencies and sponsor the annual Senior Smile Day at the school.

Student Research Group

The Student Research Group promotes interest in and provides opportunities for dental students to participate in research at the school. The group organizes meetings where faculty introduce and discuss their research projects and interests with students. The Student Research Group is a chapter of the National Student Research Group (NSRG)/American Association of Dental Research (AADR) and International Association of Dental Research.

Awards

The following awards and prizes are presented annually at the Graduate Alumni Association banquet honoring the graduating classes:

Scholarship

Alpha Omega International Dental Fraternity award

Dean's Valedictorian awards (DDS, IDS)

Dean's Salutatorian awards (DDS, IDS)

OKU Clinical Excellence awards

Inesi Award in Physiology

Leadership, Professionalism, Scholarship and Service

Academy of General Dentistry award

Alpha Omega Dental Fraternity, Bay Area Alumni award

Alumni Association, School of Dentistry award

American Association of Women in Dentistry award

American College of Dentists, Northern California Section award

ASDA Award of Excellence

Community Service award

California Dental Association award

Kevin Campbell Alumni Association Service award

CHIPS Editors awards

Delta Dental Plan of California Student Leadership award

Delta Sigma Delta Dental Fraternity, Nu Nu Chapter award

Norma T. & Robert Grosso Endowment Award for Future Dental Educators

Phi Kappa Phi Honor Society

Pierre Fauchard Academy awards

International College of Dentists, USA Section award

Charles, Charles Jr. and Joe Sweet Scholarship awards (for pediatric dentistry)

Frederick T. West Leadership awards

Herbert K. Yee Scholarship awards

Outstanding Performance

AEGD Outstanding Resident (Stockton and Union City)
Oral Surgery Outstanding Resident
James C. Campbell, Jr. Omicron Kappa Upsilon award
Charles A. Ertola award (for removable prosthodontics)
William W.Y. Goon-OKU award
Thomas B. Hartzell award (for periodontics)
Lasky Family Endowment Pediatric awards
Charles, Charles Jr. and Joe Sweet awards (for pediatric dentistry)
Academy of Dentistry for Persons with Disabilities
Academy of Operative Dentistry award
American Academy of Dental Materials awards
American Academy of Dental Practice Administration award
American Association of Endodontics award
American Academy of Oral and Maxillofacial Radiology award
American Academy of Oral Medicine award
American Academy of Oral and Maxillofacial Pathology award
American Academy of Orofacial Pain award
American Academy of Esthetic Dentistry
American Academy of Pediatric Dentistry
American Academy of Periodontology award
American Association of Oral Biologists award
American Association of Oral and Maxillofacial Surgeons award
American Association of Orthodontics award
American Association of Public Health Dentistry award
American College of Prosthodontics, Northern California section award
American Dental Society of Anesthesiology award
American Equilibration Society award
Excellence in Anatomy award
Excellence in Biochemistry award
Excellence in Implants award
Excellence in Microbiology award
Excellence in General Pathology award
Excellence in Oral Surgery award
Excellence in Oral Diagnosis award
Northern California Academy of Endodontics award
Organization of Teachers of Oral Diagnosis award
Western Society of Periodontology
National Society of Dental Practitioners, Inc. award
Quintessence Book awards (one each for research achievement,
periodontics, and restorative dentistry)
Warren Family Endowment award (for pediatric dentistry)

A detailed description of each award, including selection criteria, is available in the Office of Academic Affairs.

Graduation Honors

Upon recommendation of the Third-Year Student Academic Performance and Promotion Committee, students who complete the requirements for graduation and whose academic record qualifies them for election to Tau Kappa Omega are graduated with honors. Those who complete graduation requirements and whose record qualifies them for election to Omicron Kappa Upsilon are graduated with high honors. The valedictorian is graduated with highest honors.

University of the Pacific Campuses, Officers, and Regents

San Francisco Campus

Arthur A. Dugoni School of Dentistry

2155 Webster Street, San Francisco, CA 94115

(415) 929-6400

www.dental.pacific.edu

In 1896 the College of Physicians and Surgeons of San Francisco was incorporated as an educational institution with departments of medicine, dentistry, and pharmacy. The first class in dentistry graduated in 1897. Medicine and pharmacy were discontinued in 1918 and the college operated solely as a dental school. In 1962 "P & S" amalgamated with the University of the Pacific becoming the university's School of Dentistry located in the prestigious Pacific Heights district of San Francisco. Since 1897 more than 5,000 graduates have entered the dental profession from this institution. In 2004 the school was renamed the Arthur A. Dugoni School of Dentistry by the University's Board of Regents. In July 2006 President DeRosa appointed Dr. Patrick J. Ferrillo, Jr. to the deanship.

The school has a long history of teaching excellence in the clinical sciences and in commitment to student learning. The comprehensive patient care program is based on the concept of private dental practice where the student assumes responsibility for assigned patients' treatment, consultation, and referral for specialty care under direction of multidisciplinary faculty. Extramural clinics located in Union City and Stockton provide advanced students with opportunities to work in an environment that resembles private practice.

The division of International Dental Studies provides a program in which foreign dental graduates earn the United States dental degree. The IDS program, initiated in 1987, has allowed its graduates to continue their education in dental specialties or return to practice their profession in their homelands.

An Advanced Education in General Dentistry (AEGD) program, started in 1990, provides a year-long educational program at two sites. A certificate program in oral and maxillofacial surgery was begun in 2001 and a baccalaureate degree program in dental hygiene was initiated in 2002.

Telephone Numbers

Admissions Office	(415) 929-6491
Registrar (Academic Affairs)	(415) 929-6436 or (415) 929-6437
IDS Program	(415) 929-6688
AEGD Program	(415) 929-6677
Financial Aid	(415) 929-6452
Apartments	(415) 929-6491
Orthodontics	(415) 929-6555

Stockton Campus
University of the Pacific
3601 Pacific Avenue, Stockton, CA 95211
(209) 946-2011
www.pacific.edu

Established in 1851 as the first chartered institution of higher education in the state of California, University of the Pacific is an independent university with a tradition of putting students first. With a core liberal arts college, eight professional schools, and a graduate school, Pacific enrolls over 6,200 students on its three Northern California campuses. The university offers bachelor's, master's, and doctoral degrees in more than 80 programs. Students can participate in over 125 student organizations and NCAA Division I intercollegiate athletics, and can take advantage of extensive opportunities for learning outside the classroom, including internships, clinical placements, and volunteer service.

Some 4,650 students attend the main campus in Stockton, which features traditional brick and ivy-covered buildings on 169 beautifully landscaped acres along the Calaveras River. The San Francisco campus, which serves 500 students and residents, is home to the Arthur A. Dugoni School of Dentistry, widely regarded as one of the nation's finest dental schools. Just over 1,000 students attend Pacific McGeorge School of Law in Sacramento, a recognized leader in legal

education, scholarship, and service.

As a pioneer in education, University of Pacific provides a superior, highly personalized, student-centered learning experience integrating liberal arts and professional education, preparing students for lasting achievement and responsible leadership in their careers and communities.

Sacramento Campus

University of the Pacific McGeorge School of Law
3282 Fifth Avenue, Sacramento, CA 95817
(916) 739-7191
www.mcgeorge.edu

McGeorge School of Law, an independent law school founded in 1924, merged with the university as its School of Law in 1966. The school occupies a 14-acre campus used exclusively for legal training. This living and learning environment provides the unique setting for a dynamic center of legal education and research and realistic training in the skills of the legal profession. McGeorge operates both full and part-time divisions as well as full and part time graduate law programs.

University Officers

Donald V. DeRosa	President
Philip N. Gilbertson	Provost
Patrick D. Cavanaugh	Vice President for Business and Finance
Ted Leland	Vice President for Advancement
Elizabeth Griego	Vice President for Student Life
Jean Purnell	Executive Assistant to the President and Secretary to the Board of Regents

Pacific Board of Regents

Sigmund Abelson	Dental Administrator and Professor, USC
D. Kirkwood Bowman	Owner, Venture Management
Connie M. Callahan	U.S. Ninth Circuit Court of Appeals
Tony Chan	Pharmacist
Robert J. Corkern	Klein Family Farms
Donald V. DeRosa	President, University of the Pacific

Douglass M. Eberhardt	President, Bank of Stockton
Morrison C. England, Jr.	U.S. District Court Judge
Steven J. Goulart	Senior Vice President, MetLife
Jose Hernandez	NASA Astronaut
Kathy L. Janssen	President, ACE Tomato
Howard M. Koff	President and CEO, Westbury Financial
Larry Leasure	Developer, White-Leasure Development Corporation
Russell E. Leatherby	Leatherby Family Offices
Steven Leer	Chairman and CEO, Arch Coal, Inc.
Jim Mair	President and CEO, South Bay Development Company
Diane Miller	President, Wilcox, Miller & Nelson
Hayne R. Moyer	Attorney
Fredric Nelson	Attorney
Victor F. Ornelas	President and CEO, Ornelas Golf, LLC
Jeannette Powell	Robert C. Powell Companies
Ronald Redmond	Redmond Orthodontics
Walter Robb	Co-President and COO, Whole Foods Market
Barry Ruhl	Real estate developer
Elizabeth A. Sanders	Management consultant
Lori Best Sawdon	Pastor
Tom Zuckerman	Chair, Board of Regents; Water Resources Consultant

Emeritus Members

Paul L. Davies, Jr.	1959-1990
Tom Flores	1989--1994
Robert M. Long	1981-1995
Alex G. Spanos	1971-1982
Edward W. Westgate	1967-1996

Appendix

POLICIES FOR COMPLIANCE WITH THE LAW

Equal Educational Opportunity

General

The school is an equal opportunity institution of higher learning and is firmly committed to nondiscrimination in its delivery of educational services and employment practices. In compliance with all applicable federal and state laws, such decisions will be made irrespective of the individual's race, color, religion, religious creed, ancestry, national origin, age (except for minors), sex, marital status, citizenship status, military service status, sexual orientation, medical condition (cancer-related or genetic condition), disability and/or any other status protected by law. When necessary, the School will reasonably accommodate an individual (including students) with disabilities if the educational program of the school and /or safely perform all essential functions, without undue hardship to the school and/or without altering fundamental aspects of its educational program.

Disability Accommodation Policy

The School grants otherwise qualified students, residents, and applicants all the rights, privileges, programs, and activities generally accorded or made available to students at the School and does not discriminate on the grounds listed in the Policy Prohibiting Unlawful Discrimination in the administration of its educational programs, admissions, scholarships and loans, or other School activities.

The School will reasonably accommodate individuals with disabilities when the individual so presents a request in accordance with this policy and the individual is qualified to safely and effectively perform all essential functions of the position unless there is undue hardship in doing so. Reasonable accommodations do not include a modification of the fundamental requirements and elements of the program (e.g. behavior and conduct standards, attendance and grading policies, academic and patient care standards, etc.)

If the individual student, resident, or applicant is otherwise qualified, in response to a request for accommodation the School will offer to make an accommodation if the accommodation is reasonable, effective, does not alter a fundamental aspect of the program, will not otherwise impose an undue hardship on the School, and/or there are no equivalent alternatives. If appropriate, the School may choose to consult with such individuals, internal or external to the School, to provide further assistance needed to evaluate the request for accommodation.

For purposes of reasonable accommodation, a student, resident, or applicant with a disability is a person who: (a) has a physical or mental impairment which limits one or more major life activities (such as walking, seeing, speaking, learning, or working); or (b) has a record with the School by which the School has officially

recognized such impairment. To be eligible to continue at the School, the student, resident, or applicant must meet the qualifications and requirements expected generally of its students, and must also be able to perform the requirements of the individual major or program in which s/he is enrolled, with or without reasonable accommodation.

Note: In the event that a request for reasonable accommodation is denied, the School may occasionally choose to afford the student some temporary measure or flexibility, which is not based on the asserted disability issue, but which otherwise is considered appropriate, if it does not alter a fundamental element of the program and is not viewed by the School as inequitable toward other students. In such few cases, such temporary measure or flexibility will not be a precedent, nor will be a reasonable accommodation, and the student thereby will not be regarded as an individual with a disability.

Procedure for Seeking Accommodations

A student, resident, or applicant who requires an accommodation aid or assistance ("accommodations"), whether for academic or other uses, and who believes s/he is qualified under the School's policy, should contact the Director of Academic Affairs, who serves as coordinator of disability accommodations and services. Individuals who may apply for admission are also encouraged to contact this office to request general information. Faculty and staff members who receive student-initiated inquiries or requests regarding accommodations should promptly refer those students to the Director of Academic Affairs. Accommodation determinations should not be made without consultation and written determination of the Director of Academic Affairs.

Students and residents who seek academic accommodations are expected to contact the Director of Academic Affairs well in advance of the commencement of the activity course(s), and to provide all requested supporting information at least three weeks in advance of the requested implementation date, using the forms available for that purpose in the Office of Academic Affairs.

Determination of Accommodation Requests and Right to Obtain Further Review:

Provided that all forms and other documentation, if necessary, are completed accurately and furnished by the student, resident, or applicant in a timely fashion, the Director of Academic Affairs will respond in writing to the request for accommodation and will do so in a manner consistent with the policy. If the student, resident, or applicant agrees with the response, faculty and staff members who will be involved in providing or facilitating the accommodation will be informed of the accommodation, but the Director of Academic Affairs will not provide medical or health-related information, unless such information is appropriate in order to allow them to assist in implementing the accommodation.

Responsibility of Student, Resident, or Applicant

Each student, resident, or applicant requesting accommodation bears the responsibility for initiating, documenting and communicating promptly with the School regarding a disability-related request for accommodation, in the manner requested in this policy. Timely communication between the student and the Director of Academic Affairs and/or individual faculty members is critical. Requests for information and details on accommodations will generally be communicated via confidential email, and student, resident, or applicant replies to such communications, be they from the director or a faculty member, should be in writing within 72 hours. Students must contact course directors at least one week in advance of an assessment for which accommodation is requested. Once an accommodation has been agreed upon by the student or resident and a faculty member, the student or resident must adhere to the accommodation, barring a significant and unforeseen event (e.g., sudden serious illness). Last minute requests for or cancellations of previously agreed upon accommodations are prohibited by this policy. Furthermore, a student or resident who appears late for an assessment for which accommodations have been arranged forfeits the time lost due to tardiness.

The School's forms should be used and the student, resident, or applicant will provide to the Director of Academic Affairs the documentation to support the request. Documentation from the appropriate health professional(s) should reflect the nature of and present level of disability, how the disability affects the student's, resident's or applicant's needs in a collegiate setting, and how the requested accommodation will resolve the needs. Because the provision of all reasonable accommodations and services is based upon assessment of the current impact of the disability on current academic performance, it is in an individual's best interest to provide recent and appropriate documentation, generally no more than 3 years old. Earlier documentation regarding learning disabilities will be reviewed, if it is supplemented by more recent materials.

The Director of Academic Affairs has discretion to determine what type of professional documentation is necessary, and this may vary depending on the nature of the disability and/or accommodation. The Director of Academic Affairs has discretion to seek independent medical assessment if in his/her judgment it is appropriate in some circumstances.

Prohibited Sexual and Other Unlawful Harassment

The school is committed to maintaining the community as a place of work and study for faculty, administrators, staff and students, free of sexual harassment, intimidation, and exploitation. The school does not tolerate behavior, which constitutes sexual or other unlawful harassment of any member(s) of the school community.

The school remains committed to providing an environment free of sexual harassment and harassment because of race, color, religion, religious creed, ancestry, national origin, age (except for minors) sex, marital status, citizenship

status, military status service, sexual orientation, medical condition (cancer-related or genetic condition), disability, and/or any another status protected by law. This policy and procedure covers sexually and other unlawful harassment. Prohibited harassment in any form, including verbal and physical conduct, visual displays, threats, demands and retaliation is unlawful and will not be tolerated.

All individuals shall be held accountable for compliance with this policy. Students who believe they have experienced or are aware of sexual or other unlawful harassment have access to complaint investigation by contacting the director of human resources. Alternatively, complaints may be directed to the director of academic affairs.

Non-Discrimination

The school does not discriminate in the administration of any of its educational programs, admissions, scholarships, loans, other school activities or programs on the basis of race, color, religion, scholarships, loans, other school activities of programs on the basis of race, color, religion, religious creed, ancestry, national origin, age (except for minors) sex, marital status, citizenship status, military status service, sexual orientation, medical condition (cancer-related or genetic condition), disability, and/or any another status protected by law. This notice is given pursuant to Title IX of the Educational Amendments of 12972. Title VI and Title VII of the Civic Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973 and the amendments and other laws, orders and regulations governing discrimination. Any student having a complaint should contact the director of human resources. Alternatively, complaints may be directed to the director of academic affairs.

Complaints filed by a Student of Sexual and Other Unlawful Harassment
Generally the school is committed to a workplace and educational environment which is free of sexual and other unlawful harassment. As a matter of school policy, sexual or other unlawful harassment of any member(s) of the school community occurring in the course of any school activity is prohibited. The policy provides complaint procedures to assist the school in its efforts to implement this policy.

Harassment Defined. Harassment on the of race, color, religion, religious creed, ancestry, national origin, age (except for minors) sex, marital status, citizenship status, military status service, sexual orientation, medical condition (cancer-related or genetic condition), disability, and/or any another status protected by law is a violation of this policy.

Any such harassment of any individual in the course of any school-administered program, job or activity is prohibited and will not be tolerated. The school will take prompt and effective corrective action in response to harassing, dismissal or expulsion. The policy explicitly applies to school administrators, staff, students and

faculty and all other individuals engaged with school activities. Individuals who know of harassment, or believe that they have been harassed, in violation of this policy have access to the complaint procedures described below in this policy and are encouraged to utilize these complaint procedures.

All school administrators, staff, faculty, students, contractors and other individuals involved in any employment, educational, or other relationship with the school, must adhere to this policy. This policy is intended by the school to be consistent with the terms of school collective bargaining agreements.

Prohibited Harassing Behavior. Harassing behavior, when engaged in on any basis prohibited by this policy, may take a variety of forms. Examples of the kinds of behavior that may constitute such harassment include, but are not limited to:

- o Verbal conduct such as epithets, derogatory comments, jokes or slurs, or unwanted sexual advances, invitations or comments;
- o Visual conduct such as derogatory or otherwise offensive posters, cards, calendars, photographs, cartoons, graffiti, drawings, or gestures;
- o Physical conduct such as unwanted touching, blocking normal movement or interfering with work;
- o Threats and demands such as those which seek submission to sexual requests, in order to retain employment or educational benefits or conditions in return for favors;
- o Retaliation, in the form of adverse employment or educational actions, for the good faith opposing, reporting or threatening to report harassment or for participating in good faith in investigation, proceedings or hearings related to this policy

Sexual Harassment Warrants Special Attention. Conduct is in violation of this policy occurs when an individual's behavior involves (1) unwelcome sexual advances (2) unwelcome requests for sexual favors: or (3) other unwelcome verbal, physical or visual behavior of a sexual nature. Also, such conduct can become violation of this policy and the law when:

- o Submission to such behavior is made explicitly or implicitly a term or condition of an individual's education or employment; or
- o Submission to, rejection of, such behavior by an individual is used as the basis for educational or employment decisions.

Such behavior otherwise has the purpose or effect of unreasonably interfering with, or otherwise creating an intimidating, hostile, or offensive educational or employment environment.

Retaliation is prohibited. An individual's good-faith filing or pursuing a complaint under this policy or otherwise reporting, complaining or assisting or cooperation in

good faith with a complaint of harassment will not be the basis for any adverse school decisions concerning a student, faculty or staff member's employment or student position or status. Such retaliation is forbidden by this policy.

Procedure for Student Complaints of Harassment

The school encourages students, faculty, administrators, and staff who knows of harassment, or believe that they have been harassed in violation of this policy to utilize the complaint procedures described below in this policy. A complaint should be filed promptly if an instance of harassment has occurred or is expected to occur.

This complaint procedure is designed to assist in the handling of such complaints. The procedure is as follows:

Students, faculty and staff with a complaint of harassment are encouraged to contact, as soon as possible after an act of harassment has occurred, the director of human resources. Alternatively, complaints may be directed to the director of academic affairs ("intake officer").

Informal Resolution

The intake officer will be available to meet with the individuals involved jointly or separately, and to seek to find a resolution that is acceptable. Provided the school concludes that such resolution is likely to provide prompt and effective corrective action. Any such proposed resolution at informal complaint stage must be presented to the appropriate administrative officer for review. All efforts to resolve complaints informally should be made promptly and within thirty days of the receipt of the complaint and should be documented, with the record retention by the intake officer.

Formal Resolution

If an acceptable resolution is not reached, or is not likely to be reached, within thirty days or otherwise in a manner necessary to promptly and effectively correct harassment, the complainant or the school may determine to resolve the matter as a formal complaint, or the school may take immediate action it deems necessary to effect prompt and effective corrective action.

The complainant should ordinarily include in a written report the details of the incident(s), the name(s) of the person alleged to have engaged in the conduct complained of, the name(s) of any witness(es), and any documents. The person alleged to have engaged in acts of harassment will have an opportunity to review and respond to the written report and otherwise to provide a full response.

Whenever deemed appropriate to assist the school to determine whether a violation of this policy has occurred and/or to determine what if any, corrective

action should be taken by the school, the school may initiate an investigation with or without a formal complaint.

The appropriate school officer will promptly make determination of the complaint. The determination will be communicated to the complainant and the person whose conduct is an issue, to the extent and in a form which is deemed appropriate.

School officials have a duty to report in good faith any conduct of which they have a direct knowledge, which they believe constitutes harassment in a violation of this policy.

Corrective action may include disciplinary action of the person(s) whose conduct constitutes violations of this policy and/or who is otherwise responsible for such conduct. Disciplinary action may include, but is not limited to warning, suspension, or termination from employment, enrollment as a student, or from other affiliation with the school.

Students of the school may file a harassment complaint with the Federal Office of Civil Rights (OCR) complaint within the time required by law.

Region IX Federal Building
50 United Nations Plaza, Room 239
San Francisco, CA 94102

Workplace Security and Anti-Violence Policy

The school is committed to providing a workplace that is free from acts of violence or threats of violence. In keeping with this commitment, the school has established a policy that provides "zero tolerance" for actual or threatened violence on our premises or in the course of school business. Security and safety in the workplace is every employee's responsibility. It is therefore essential that every individual understand the importance of workplace safety and security. Every threat of violence is serious and must be treated as such. Threatening behavior can include such actions as throwing objects, make verbal threat to harm another individual or destroy property, display an intense or obsessive romantic interest that exceeds the normal bounds of interpersonal interest, or attempting to intimidate or harass other individuals. Employees who become aware of any threats of workplace violence must report the threat immediately to their supervisor, who in turn, will be responsible for notifying a Vice President or other officer of the school. Due to the importance of this policy, individuals who violate any of its terms, who engage in or contribute to violent behavior, or who threaten others with violence may be subject to disciplinary action up to and possibly including immediate termination.

If an individual becomes aware of any actual violence, imminent violence, or threat of imminent violence, obtaining emergency assistance must be a matter of

first priority. The individual should immediately contact security or call human resources or any other available person in authority, and, if appropriate, contact San Francisco Police Department authorities by dialing 911. Then the individual must report the incident to an officer of the school if one is available. Individuals may report any incidents of violence or threats violence without fear of reprisal.