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Welcome

Welcome from the Dean

Welcome to the University of the Pacific, Arthur A. Dugoni School of Dentistry. It is a pleasure for me to welcome the DDS Class of 2016 and IDS Class of 2015 as you embark on a promising and invigorating career as an oral healthcare provider.

This is an exciting time to be an oral health care professional. Educators, researchers, practitioners, and our legislators 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, changing demographics, racial and ethnic diversity in the profession, the needs of disadvantaged populations, and keeping up with new technologies are major challenges we face. As students at Pacific you will gain awareness of these critical issues. 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 La Clinica, On Lok, 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 Leaders 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. I wish you the best as you begin your career in this dynamic profession.

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

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.

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 2003 a new Health Science Center was opened on the Stockton campus combining facilities for dentistry, dental hygiene, physical therapy, and speech pathology.
- In 2004 the university named the dental school in honor of its long-standing dean, Dr. Arthur A. Dugoni.
- In 2006 President DeRosa appointed Dr. Patrick J. Ferrillo, Jr., dean of the school.
- In 2011 the school was awarded the prestigious Gies Award for Vision by the American Dental Education Association.
- In 2014 the dental campus will move to a completely renovated and updated facility in downtown San Francisco.

The Alumni Association provided a twelve operator 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 two sites for the school's Advanced Education in General Dentistry residency program.

Vision, Mission and Values Statements

Vision

Leading the improvement of health by advancing oral health.

Mission

- Prepare oral healthcare providers for scientifically based practice
- Define new standards for education
- Provide patient-centered care
- Discover and disseminate knowledge
- Actualize individual potential
- Develop and promote policies addressing the needs of society

Core Values

These core values characterize the School of Dentistry and define its distinctive identity:

- 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, evidence based, 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 to 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 four parts to the mission statement. Patient-centered care means being prompt, efficient, responsible, engaging, focused, and adaptable, among other things. The private practice model is the patient care model to which we aspire. *Evidence based decision making* involves the use of scientific evidence to help make treatment decisions. It is used in conjunction with individual patient values to determine the best course of action for each patient. *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.

Accreditation

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.

The Commission on Dental Accreditation will review complaints that relate to a program's compliance with the accreditation standards. The Commission is interested in the sustained quality and continued improvement of dental and dental-related education programs but does not intervene on behalf of individuals or act as a court of appeal for treatment received by patients or individuals in matters of admission, appointment, promotion or dismissal of faculty, staff or students.

A copy of the appropriate accreditation standards and/or the Commission's policy and procedure for submission of complaints may be obtained by contacting the Commission at 211 East Chicago Avenue, Chicago, IL 60611-2678 or by calling 1-800-621-8099 extension 4653.

Curriculum

DDS

As suggested by the Helix logo, biomedical, preclinical, and clinical science subjects are integrated and combined with applied behavioral sciences in a program to prepare graduates to provide excellent quality dental care to the public and to enter a changing world that will require them to be critical thinkers and 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. Integrated biomedical science instruction in human anatomy, biochemistry, physiology, pharmacology, and microbiology is offered over 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 to apply basic science knowledge to clinical problems 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 modern preclinical simulation laboratory and with a chair-side 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 Clinical Practice Strand of the Helix curriculum supports comprehensive patient care which is based on the concept of private dental practice where the student assumes responsibility for assigned patients' overall treatment, consultation, and referral for specialty care. In this strand, second-year students practice clinical dentistry approximately fifteen hours per week and third year students practice approximately thirty-three hours per week. They learn to provide comprehensive dental care under the direction of a team of clinical faculty led by the Group Practice Leader (GPL).

The GPL teams with group practice mentors (GPMs) to supervise the following disciplines in each group practice: oral diagnosis and treatment planning, emergency dental care, simple periodontics, operative, fixed prosthodontics, removable prosthodontics, and simple implant cases. In addition, test cases in most of these disciplines are supervised by at least two members of the faculty team. There are three GPMs in each group practice during a clinic session and students may work with all three mentors during the course of an appointment. The group practice model maintains a student to faculty ratio of 5:1. The GPM/GPL monitors the progress of care and completes periodic case reviews with the patient and the student.

Each student provides care to all patients in his or her patient population. Occasionally, other caregivers, a second- or third-year student, resident, or faculty member, complete certain procedures in any given treatment plan. The GPL coordinates this process which also requires 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 practitioners.

The second- and third-year class is divided alphabetically into eight group practices. There are about twenty second year and twenty third year students in each group practice, which is managed by the GPL, who has overall responsibility for the care of patients by all students and faculty in the group practice. Other clinical disciplines are managed by faculty who do not have specific responsibility for a certain group of students. Specialists in endodontics manage all of those cases in a specified area of the clinic, including test cases. Periodontists manage most periodontal procedures. The Complex Care Clinic allows students to treat more technically difficult restorative cases under the supervision of trained faculty members with a low student-to-faculty ratio.

There are four discipline exceptions to the comprehensive care model: oral and maxillofacial surgery, pediatric dentistry, oral medicine/facial pain, and radiology. Students are assigned for two to three weeks in each of these disciplines, except for the oral medicine/facial pain rotations which are one day each. In orthodontics, students participate with faculty and orthodontic residents in adjunctive orthodontic care and in oral development clinics. Third-year students also rotate through the Special Care Clinic where they treat perinatal patients, dental phobic patients, and patients with developmental disabilities. In addition, each student provides care in the hospital operating room on patients with specific health issues, including liver transplant patients.

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 around the Bay Area, and include acute care hospitals, community clinics, and skilled nursing facilities. Pacific currently has affiliations with 14 extramural sites. At extramural clinic sites, students are taught by Pacific faculty in conditions that more closely resemble private practice. For example, 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. Certain students also participate in externships to specialty programs during academic break periods, most often the four-week summer break.

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.

Over the next two years, the main clinic will advance changes in operations intended to improve student education and patient care, including:

1. Expansion of disciplines supervised by GPMs and GPLs to include endodontics, oral surgery, and orthodontics (Invisalign).
2. Incorporation of the lecture-based, practice management curriculum with a clinical application to improve patient care and efficiency.

3. Conversion to emergency by appointment rather than walk-in.
4. Broader use of the clinic information system to support patient care and business practices.

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 the amount of time students spend providing specific types of care for assigned patterns.

IDS

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

Preclinical instruction is concentrated in the first two quarters with students learning to work from a seated position in a modern preclinical simulation laboratory and with a chair-side assistant in conjunction with pediatric dental practice. Clinical work with patients is initiated in the third 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 Clinical Practice Strand of the Helix curriculum supports comprehensive patient care which is based on the concept of private dental practice where the student assumes responsibility for assigned patients' overall treatment, consultation, and referral for specialty care. In this strand, first-year students practice clinical dentistry approximately fifteen hours per week and second-year students practice approximately thirty-three hours per week. They learn to provide comprehensive dental care under the direction of a team of clinical faculty led by the Group Practice Leader (GPL).

The GPL teams with group practice mentors (GPMs) to supervise the following disciplines in each group practice: oral diagnosis and treatment planning, emergency dental care, simple periodontics, operative, fixed prosthodontics, removable prosthodontics, and simple implant cases. In addition, test cases in most of these disciplines are supervised by at least two members of the faculty team. There are three GPMs in each group practice during a clinic session and students may work with all three mentors during the course of an appointment. The group practice model maintains a student to faculty ratio of 5:1. The GPM/GPL monitors the progress of care and completes periodic case reviews with the patient and the student.

Each student provides care to all patients in his or her patient population. Occasionally, other caregivers, a second- or third-year student, resident, or faculty member, complete certain procedures in any given treatment plan. The GPL coordinates this process which also requires 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 practitioners.

The first- and second-year IDS class is divided alphabetically into eight group practices. There are about 40 students in each group practice, including IDS students. Each group practice is managed by the GPL, who has overall responsibility for the care of patients by all students and faculty in the group practice. Other clinical disciplines are managed by faculty who do not have specific responsibility for a certain group of students. Specialists in endodontics manage all of those cases in a specified area of the clinic, including test cases. Periodontists manage most periodontal procedures. The Complex Care Clinic allows students to treat more technically difficult restorative cases under the supervision of trained faculty members with a low student-to-faculty ratio.

There are four discipline exceptions to the comprehensive care model: oral and maxillofacial surgery, pediatric dentistry, oral medicine/facial pain, and radiology. Students are assigned for two to three weeks in each of these disciplines, except for the oral medicine/facial pain rotations which are one day each. In orthodontics, students participate with faculty and orthodontic residents in adjunctive orthodontic care and in oral development clinics. Second-year students also rotate through the Special Care Clinic where they treat perinatal patients, dental phobic patients, and patients with developmental disabilities. In addition, each student provides care in the hospital operating room on patients with specific health issues, including liver transplant patients.

Advanced clinical dentistry and evaluation of new developments and topics that involve several disciplines are learned in the second year in conjunction with patient care. Second-year students participate in patient care at a number of extramural sites. These clinics are located in numerous treatment facilities around the Bay Area, and include acute care hospitals, community clinics, and skilled nursing facilities. Pacific currently has affiliations with 14 extramural sites. At extramural clinic sites, students are taught by Pacific faculty in conditions that more closely resemble private practice. For example, 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. Certain students also participate in externships to specialty programs during academic break periods, most often the four-week summer break.

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 final 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.

Over the next two years, the main clinic will advance changes in operations intended to improve student education and patient care, including:

1. Expansion of disciplines supervised by GPMs and GPLs to include endodontics, oral surgery, and orthodontics (Invisalign).
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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 the amount of time students spend providing specific types of care for assigned patterns.

Orthodontics

Pacific's Graduate Orthodontic Program, instituted in 1971, is fully accredited by the Commission on Dental Accreditation. The program's courses prepare the resident to provide excellent treatment based on contemporary biologic orthodontic principles and is recognized for educational eligibility by the American Board of Orthodontics.

Faculty members foster the humanistic atmosphere with informal professional relationships and mutual respect with the residents. Clinical instruction and practice are conducted in the orthodontic clinic.

Residents treat an entire range of orthodontic problems during seven half-day clinics per week including instructions in general orthodontics, mixed dentition treatment, surgical orthodontics, mini-implants and Invisalign. Adult patients constitute about one-fourth of a resident's case load. Each resident starts approximately 50 new patients and is transferred approximately 60-80 existing patients. Fixed appliance treatment employs the edgewise technique although instruction permits a wide latitude of clinical variation based on patient needs and faculty supervision.

Each resident engages in an investigative project and must complete an acceptable thesis to qualify for the Master of Science in Dentistry degree.

Residents are scheduled for didactic and clinical instruction five full days 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.

More information on the program, including admissions requirements, curriculum and schedule, graduation and certification requirements, and the Research Fellowship Program are available here (http://dental.pacific.edu/Academic_Programs/Graduate_Orthodontics_Program.html).

Dental Hygiene Program

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 (eight semesters including summer sessions) 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 dental hygiene practice, as well as eligibility for entry into advanced degree programs.

Detailed information on the dental hygiene program is available here (<http://catalog.pacific.edu/general/arthuradugonischoolofdentistry/dentalhygiene>) or from the office of Admissions on the Stockton main campus 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 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 the educational, communication, and clinical skills necessary to work in co-therapy with the dental team.

Facilities

The program is located on the University's Stockton campus in a state of the art facility shared with Pharmacy, Physical Therapy and Speech-Language Pathology Programs, as well as the Arthur A. Dugoni School of Dentistry's Advanced Education in General Dentistry (AEGD) program. The AEGD clinic, staffed by dental residents and faculty, provides outstanding comprehensive restorative care and patient co-therapy experiences for both dental hygiene students and dental students on extramural rotation from the San Francisco campus. The University of the Pacific's Health Sciences Learning Center and Clinics offers students an exceptional learning environment and the community an excellent resource for dental services.

Admission Requirements

Admission to the Dental Hygiene Program is competitive and 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.

Please click here (<http://www.pacific.edu/Admission/Undergraduate/Applying/Dental-Hygiene.html>) to see detailed admissions information.

Program Description

The bachelor of science degree in dental hygiene is a professional program presented in an accelerated year-round format of eight semesters including summer sessions. Students accepted into the program as freshmen complete all sessions with the University. Transfer level program entrants, with prerequisites fulfilled, complete the final four semesters of professional coursework only.

In the first half of the program, prerequisite general education courses are presented to provide a strong science background, and a broad base in the humanities designed to strengthen dental hygiene science and clinical practice. Students undertake this portion of their course work, which is provided by the College of the Pacific, with the general undergraduate student population on the main campus. The student must maintain a 2.7 GPA or better in lower division coursework to proceed into the professional portion of the program.

The professional portion of the program is a highly structured four semesters of upper division coursework that includes both didactic and clinical experience. This portion of the program is presented by the Arthur A. Dugoni School of Dentistry Dental Hygiene Program on the Stockton campus.

Dental Hygiene Licensure

Completion of the program enables graduates to take national and regional or state licensure examinations. For California examination information contact:

Dental Hygiene Committee of California
2005 Evergreen Street., Suite 1050
Sacramento, CA 95815
<http://www.dhcc.ca.gov/>

(916) 263-1978 (916) 263-1978

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.

Please click here (<http://catalog.pacific.edu/general/arthuradugonischoolofdentistry/dentalhygiene>) to see more about the general education requirements in this program.

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.

Please click here (<http://catalog.pacific.edu/general/arthuradugonischoolofdentistry/dentalhygiene>) to see more about the general education requirements in this program.

Oral and Maxillofacial Surgery Residency Program

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, Children's Hospital of Oakland, and the University of the Pacific School of Dentistry clinics.

The residency is forty-eight (48) months in length, and is divided into thirty four months of oral and maxillofacial surgery, five months of anesthesia (of which one month is pediatric anesthesia), two months of medicine, four months of general surgery (including trauma), two months of plastic surgery, and one month of oral pathology.

As a senior resident, four months are spent as chief at Highland Hospital where trauma, pathology, reconstructive surgery and aesthetic surgery are prevalent. Four months are spent at Kaiser Hospital where orthognathic cases are seen in great numbers. Four months are spent at Children's Hospital, as part of craniofacial anomalies team. Cleft lip and palate, congenital and acquired craniofacial deformities and orthognathic surgery are prevalent.

Stipend

Residents receive salaries from 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, National Board of Medical Examiners (NBME) Comprehensive Basic Science Examination (CBSE) score, and three letters of recommendation. University of the Pacific/Highland participates in the National Matching Service.

For complete information please contact:

Division of Oral and Maxillofacial Surgery
Alameda Health System - Highland Hospital Campus
Oral Surgery Clinic E2
1411 East 31st Street
Oakland, CA 94602
(510) 437-4101
Rachelle Surdilla
rsurdilla@acmedctr.org

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 Thomas J. Long Health Sciences Center on the University of the Pacific Campus in Stockton, California.

The AEGD program is a one-year accredited postgraduate residency 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. The residents provide dental care to people with complex medical, physical, and psychological conditions.

In Union City, residents provide comprehensive dental care, attend supplemental seminars and rotations, and supervise dental students. Senior pre-doctoral students regularly rotate from the dental school in San Francisco. Union City residents are directly involved in the clinical education of these students, giving residents unique teaching experience.

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

Based on the clinic's demographics, each site has unique experiences based on the community's needs from patient care to resident rotations.

The start date for the program is July 1. Residents have time off during the school's winter break and 10 days leave that can be scheduled with the approval of the site director.

There is **no tuition required** to participate in the program. However, applicants must show record they have graduated from North American dental school. 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.

International General Dentist Educator Program

In this five-year program, the first two years consists of participating in the AEGD program, and the remaining three years consists of attaining a masters or doctorate in professional education and leadership from the school of education.

The clinical residency and graduate program for international dentists is a dual-track program consisting of clinical and didactic education. The clinical track is mainly intended to prepare the candidate for a career in patient care and clinical education. The didactic track and teaching practicum are mainly intended to prepare the candidate for a full-time career in dental academia. However, each track may have overlapping features in terms of purpose.

Clinical education is provided under a two-year residency program leading to a clinical certificate upon completion of both years one and two. Didactic education is provided under the two-year graduate program leading to a Master's in Education with the potential of a Doctorate Degree in Professional Education and Leadership. The final year of the program will consist of completing the dissertation project if not completed in the previous year, and teaching practicum in didactic, pre-clinical, and clinical education of doctoral students.

Please click here (http://www.dental.pacific.edu/Academic_Programs/International_General_Dentist_Educator_Program.html) for more information about this program.

Humanistic Education

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

- Good work ethic
- Constructive feedback
- Maintaining confidentiality
- Addressing the issue
- Celebrating achievement
- Excellence
- High ethical standards
- Professional responsibility
- Increasing independence
- Attainment of competency

Excludes

- Minimum effort
- Authoritarian behavior
- Public criticism
- Ignoring the problem
- Dwelling on the negative
- Expedience
- Ethical compromise
- Avoiding responsibility
- Continued dependence
- Tolerance of inability

Competency Statements

Competencies are written statements describing the levels of knowledge, skill, and values expected of graduates. In addition to these competencies expected of students in the DDS and IDS programs 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 therapies 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

Faculty and Course Descriptions

Course descriptions are grouped by department. Courses are numbered by year: first-year predoctoral courses in the 100s, second-year predoctoral courses in the 200s, and third-year predoctoral courses in the 300s. Graduate courses are similarly numbered by year: first-year graduate courses in the 400s, second-year graduate courses in the 500s, and third-year graduate courses in the 600s. Quarters during which a course is offered in the DDS and graduate orthodontics program are indicated in parentheses following the course descriptions. (For the sequence of courses in the IDS program, please see Distribution of Instruction). Units of credit are listed separately for clinical courses offered during second and third years, e.g. EN 259 Clinical Endodontics I (2 or 4 units). Unit values are listed in parentheses. More than a single unit value is reported when there is a difference in contact hours between DDS and IDS courses.

Beginning in the fourth quarter, 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 and 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.

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. Pre-doctoral DDS 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 the amount of time students spend providing specific types of care for assigned patterns.

Biomedical Sciences (BMS)

Department Chairperson

Leigh Charles Anderson

Professor of Biomedical Sciences

Faculty

Leigh Charles Anderson

Professor of Biomedical Sciences

BS, University of Minnesota, 1971

DDS, University of Minnesota, 1977

PhD, University of Minnesota, Oral Biology, 1979

Homayon Asadi

Associate Professor of Biomedical Sciences

San Jose City College, 1982

B.A., San Jose State University, Biology, 1984

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

Angela Bayat

Instructor of Biomedical Sciences

BA, Universite de Grenoble, Grenoble France, French Literature, 1988

DDS, University of the Pacific School of Dentistry, Dentistry, 1999

Dorothy T. Burk

Associate Professor of Biomedical Sciences

BA, University of New Hampshire, Zoology, 1972

PhD, University of Michigan, Anatomy, 1976

University of Virginia, Craniofacial Development, 1979

MA, University of the Pacific, Educational Counseling Psychology, 1994

Takahiro Chino

Assistant Professor of Biomedical Sciences

DDS, Japanese Ministry of Public Health, Dentistry, 1991

DDS, Matsumoto Dental University, Dentistry, 1991

Matsumoto Dental University, Japan, Oral Maxillofacial Surgery, 1993

Indiana University School of Dentistry, Oral Surgery, Medicine Pathology, 1995

Other, Indiana University School of Dentistry, Oral Diagnosis, 1996

MSD, Indiana University School of Dentistry, Dental Diagnostic Sciences, 1999

PhD, University of Washington, Oral Biology, 2008

University of Medicine Dentistry of New Jersey, Postdoctoral Fellow, Periodontics, 2010

Joel A. Cohen

Professor of Biomedical Sciences

BA, Harvard University, Physics, 1962

MS, University of Illinois, Physics, 1964

PhD, University of Illinois, Physics, 1968

Postdoc, University of Pennsylvania, Solid-state Physics, 1972

Postdoc, University of the Pacific, Biophysics, 1975

Nejat A. Duzgunes

Professor of Biomedical Sciences

Diploma, Noble and Grenough School, Deham, Mass., 1968

BS, Middle East Technical University, Ankara, Turkey, Physics, 1972

PhD, State University of New York at Buffalo, Biophysical Sciences, 1978

Other, University of California, San Francisco, Membrane Biophysics, 1981

Stefan Highsmith

Professor of Biomedical Sciences

BA, University of California, Berkeley, Chemistry, 1966

PhD, Massachusetts Institute of Technology, Organic Chemistry, 1972

Brandeis University, Physical Chemistry, 1974

University of California, San Francisco, Biophysical Chemistry, 1978

Giuseppe Inesi

Professor of Biomedical Sciences

LA, Classic Lyceum, 1948

MD, Modena University, Italy, 1954

PhD, University of Bologna, Italy, 1960

University of Pennsylvania, Pharmacology, 1962

University of Pennsylvania, Presbyterian Hospital, 1963

University of California Cardiovascular Research Institute, 1965

Matthew Milnes

Instructor of Biomedical Sciences

BS, California Lutheran University, Biology, 1997

MS, University of the Pacific, Biology, 2000

DDS, University of the Pacific School of Dentistry, General Dentistry, 2003

Alexander J. Murphy

Professor of Biomedical Sciences

BS, Brooklyn College, Chemistry, 1962

PhD, Yale University, Biochemistry, 1967

University of California, San Francisco, Biophysical Chemistry, 1970

Gary D. Richards

Associate Professor of Biomedical Sciences

A.A., Chabot College, 1977

B.A., University of California at Berkeley, Anthropology, 1980

M.A., University of California at Berkeley, Anthropology, 1984

PhD, University of California at Berkeley, Anthropology, 2007

Benjamin D. Zeitlin

Assistant Professor of Biomedical Sciences

BSc, University of Strathclyde, Immunology and Pharmacology, 1992

PhD, Sheffield Hallam University, Immunopharmacology, 2000

Adjunct Faculty

Dorothy E. Dechant

Adjunct Assistant Professor of Biomedical Sciences

BA, University of California, Berkeley, Anthropology, 1973

MA, University of California, Berkeley, Anthropology, 1978

PhD, University of California, Berkeley, Anthropology, 1982

Krystyna Konopka

Adjunct Professor of Biomedical Sciences

High School, Lodz, Poland, 1954

MD, School of Medicine, Lodz, Poland, Medicine, 1961

Bieganski Hospital, Lodz Poland, Clinical Pathology, 1965

Jonscher Hospital, Lodz Poland, Rotating Internship, 1965

MS, University of Lodz, Biochemistry, 1966

PhD, University of Lodz, Biochemistry, 1969

Brigitte Papahadjopoulos-Sternberg

Adjunct Assistant Professor of Biomedical Sciences

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

PhD, Humboldt-University, Berlin, 1976

Katerina Polosukhina

Adjunct Assistant Professor of Biomedical Sciences

MS, D.I. Mendeleev Russian Chemicco-Technological University (D.I. Mendeleev Chemicco-Technological University), Chemistry, 1982

PhD, Institute of Developmental Biology, Russian Academy of Science, Biology (Cytology, Embryology, Histology), 1994

Postdoctoral Fellowship Pacific School of Dentistry, Biochemistry, 1997

Course Descriptions

AN 110. Human Anatomy I: Cells to Systems. 6 Units.

The student will gain an understanding of cell biology, functional 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, including 15 hours clinical correlations/case discussion. Quarters 1-2.).

AN 111. Human Anatomy II: The Orofacial Complex. 6 Units.

The student will gain an understanding of the 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, including 10 hours clinical correlations/case discussion. Quarter 3.).

AN 112. Topics in Oral Biology. 2 Units.

The student will gain knowledge of the embryology, histology, physiology, and cell biology related to the development, organization and function of oral tissues. The objectives are for the student (1) to understand the normal development and structure of oral and paraoral tissues in preparation for courses in oral pathology and oral medicine and, as a consequence, (2) to comprehend the biological basis for rational diagnosis and treatment of clinical problems. This course will be topically aligned with lectures and laboratories in Human Anatomy II. (20 hours lecture. Quarter 3.).

BC 114. Biochemistry. 6 Units.

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, including 10 hours case-based discussion. Quarters 1-2.)

MC 224. Microbiology. 6 Units.

The biology of microorganisms that cause disease, including caries, and periodontal and endodontic infections. Microbial structure, metabolism, genetics, and virulence factors; molecular diagnostics and recombinant DNA technology. Pathogenesis, epidemiology, clinical syndromes, laboratory diagnosis, treatment, and prevention of infectious diseases. Innate, humoral and cell-mediated immunity, hypersensitivity and vaccines. Antibacterial, antiviral and antifungal agents. Bacterial infections, including oral manifestations; oral microbiology. Virology, with emphasis on HIV, herpesviruses, and hepatitis viruses; oral manifestations of viral infections. Mycology, with emphasis on oral infections. Parasitology, with emphasis on global public health. Oral microbiology laboratory, including disinfectant and antibiotic susceptibility; the caries risk test and identification of oral bacteria. (57 lecture hours, including independent study hours; 15 laboratory hours. Quarters 4-5.)

PG 120. Physiology. 7 Units.

Study of the 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 and demonstrations including 10 hours case-based discussion. Quarters 1-3.)

PG 220. Pharmacology and Therapeutics. 6 Units.

Rationale of drug use in dental practice, and mechanisms of action of drugs used for the 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. (60 hours lecture. Quarters 6-8.)

Dental Practice (DP)

Department Chairperson

Lucinda J. Lyon

Associate Professor of Dental Practice

Vice Chair

Alan Wythe Budenz

Professor of Dental Practice

Terry Edwin Hoover

Associate Professor of Dental Practice

Faculty

Sigmund H Abelson

Associate Professor of Dental Practice

Other, Los Angeles City College, Arts, 1959

Los Angeles State College, 1962

DDS, University of the Pacific School of Dentistry, Dentistry, 1966

MA, Keck School of Medicine, University of Southern California, Academic Medicine, 2010

Mark McGregor Abzug

Assistant Professor of Dental Practice

BA, University of California Santa Barbara, Geography, 1975

DDS, University of the Pacific School of Dentistry, General Dentistry, 1980

Janet E. Andrews

Assistant Professor of Dental Practice

BS, University of the Pacific/Marquette University, Dental Hygiene, 1975

MA, University of the Pacific, Education, 1979

DDS, University of the Pacific, Dentistry, 1983

Kalid Aziz

Assistant Professor of Dental Practice

DDS, University of Los Andes, Venezuela, Dentistry, 1993

MS, University of Iowa, Operative Dentistry, 2002

Paymon Bahrami

Assistant Professor of Dental Practice

BS, University of California, Davis, Mechanical Engineering, 2003

DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Dentistry, 2009

DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Advanced Education in General Dentistry, 2010

Kim Lucas Benton

Instructor of Dental Practice

University of California at Davis, 1982

Howard University, 1984

DDS, Meharry Medical College-School of Dentistry, 1988

John Berk

Instructor of Dental Practice

Pierce Junior College, Undergraduate-Pre-Dental Studies, 1964

University of California Los Angeles, Undergraduate-Pre-Dental Studies, 1966

DDS, University of California San Francisco, General Dentistry, 1970

Mark T. Booth

Assistant Professor of Dental Practice

BA, Leland Stanford Junior University, Human Biology, 1995

DDS, University of the Pacific School of Dentistry, Dentistry, 2001

University of the Pacific School of Dentistry, Advanced Clinical Experience, Resident, 2002

University of the Pacific School of Dentistry, Advanced Education in General Dentistry, 2003

Michelle Brady

Instructor of Dental Practice

BDS, Cardiff Dental School, Dentistry, 1994

Other, Dublin Dental School, Clinic Dentistry, 2004

Other, Dublin Dental School, Conscious Sedation, 2011

Alan Wythe Budenz

Professor of Dental Practice

University of Redlands, 1970

BS, Oregon State University, Zoology, 1972

MS, University of California, Los Angeles, Anatomy, 1977
BS, University of California, San Francisco, Dental Science, 1982
DDS, University of California, San Francisco, 1982
MBA, University of the Pacific, Business, 1999

William M. Carpenter

Professor of Dental Practice

Armed Forces Institute of Pathology, Oral Pathology
Washington and Jefferson College, 1960
DDS, University of Pittsburgh, 1964
Brook Army Medical Center, 1965
Advanced Officers Course, 1970
MS, George Washington University, 1973
Armed Forces Institute of Pathology, Ultrastructural Analysis, 1975

David William Chambers

Professor of Dental Practice

AB, Harvard University, Experimental psychology, 1965
EdM, Harvard University, School of Education, Educational evaluation, 1966
PhD, Stanford University, School of Education, Educational psychology, 1969
MBA, San Francisco State University, Management and operations research, 1979
Cambridge University, Department of Philosophy, Visiting Scholar, 2008
University of California, Berkeley, Department of Philosophy, Visiting Scholar, 2010
Center for Philosophy of Natural and Social Sciences, London School of Economics, Visiting Scholar, 2012

Armando Chang

Instructor of Dental Practice

BA, University of California, Berkeley, Biology, 1979
DDS, Northwestern University, Dentistry, 1983

Gina S. Chann

Assistant Professor of Dental Practice

BS, University of California, Davis, 1986
DDS, University of the Pacific School of Dentistry, 1989

Elisa Marie Chavez

Associate Professor of Dental Practice

BS, Saint Mary's College of California, 1990
DDS, University of California, San Francisco, 1994
University of Michigan, Geriatric Dentistry Fellowship (Certificate), 2000

Howard H. Chi

Associate Professor of Dental Practice

BA, University of the Pacific, Biology, 1985
DMD, Temple University, Dentistry, 1989
The Pankey Institute, Advanced Dental Education, Key Biscayne, FL, 1998
MA, University of the Pacific, Educational and counseling psychology, 2000

Darren P Cox

Associate Professor of Dental Practice

BS, Louisiana State University, Zoology, 1985
DDS, LSU School of Dentistry, Dentistry, 1990
Loyola University Hospital, Chicago, IL, General Practice Residency, 1991
Emory University Hospital, Atlanta GA, Oral, Head and Neck Pathology Residency, 2000
MBA, University of Pittsburgh, Business, 2004

Evelyn Cuny

Associate Professor of Dental Practice

University of California, Berkeley Extension, Environmental Hazardous Management, 1995
BA, St. Mary's College, Management, 1998
MS, St. Mary's College, Health Service Administration, 2001

Arthur A. Dugoni

Professor of Dental Practice

University of San Francisco, 1943
BS, Gonzaga University, 1944
University Missouri, School of Dentistry, Dental, 1946
DDS, College of Physicians Surgeons (UOP), Dental, 1948
Bureau of Medicine and Surgery Internship, Dental, 1949
MSD, University of Washington, Orthodontics Certificate, 1963

Lynn Edwards

Assistant Professor of Dental Practice

BA, University of the Pacific, Biology, 1978

DDS, UOP School of Dentistry, Dentistry, 1981

Robert English

Assistant Professor of Dental Practice

BS, University of Alaska, Chemistry/Biochemistry, 1984

DDS, University of the Pacific, Dentistry, 1989

Richard Farrell

Instructor of Dental Practice

BS, University of San Francisco, 1967

University of California, Berkeley, Graduate courses, Department of Zoology, 1968

San Diego State University, Secondary Education courses, 1970

DDS, University of Pacific Arthur A. Dugoni School of Dentistry, Dentistry, 1974

Fred J. Fendler

Associate Professor of Dental Practice

BS, University of San Francisco, 1970

DDS, University of the Pacific, 1974

Maria Flores

Instructor of Dental Practice

BS, Mount St. Mary's College, 1982

DDS, University of California, San Francisco, 1987

Barbara J. Fong-Hori

Assistant Professor of Dental Practice

City College of San Francisco

BA, University of California, Berkeley, Physiology, 1974

DDS, UCSF School of Dentistry, 1978

Virginia L. Freckelton

Assistant Professor of Dental Practice

BS, Southern Illinois University, Carbondale, Education, 1973

MS, Southern Illinois University, Carbondale, Education, 1974

DDS, University of the Pacific, 1983

Richard E. Fredekind

Professor of Administration

B.S., University of Idaho, 1976

D.M.D., Tufts University School of Dental Medicine, 1979

Cert., Highland General Hospital, General Practice, 1980

M.A., University of the Pacific, Educational and Counseling Psychology, 1994

Des Gallagher

Assistant Professor of Dental Practice

DDS, University of Wales, College of Medicine, Dental Surgery, 1994

Trinity College Dublin Dental School, Postgraduate diploma

Clinical Dentistry, 2004

Andrea Garcia

Instructor of Dental Practice

BS, University of the Pacific, Dental Hygiene, 2008

Lola Giusti

Associate Professor of Dental Practice

University of California, Davis, Italian/Human Biology, 1976

Stanford University, Italian/Human Biology, 1977

DDS, University of Southern California, Dentistry, 1981

Wadsworth V.A. Hospital, GPR, 1982

Paul Glassman

Professor of Dental Practice

BA, University of California, Los Angeles, Zoology, 1968

DDS, University of California, San Francisco, Dentistry, 1972

University of California, San Francisco, General Practice Residency, 1975

MA, University of the Pacific, Educational and Counseling Psychology, 1994

MBA, University of the Pacific, Business, 1999

Kerry D. Hanson

Associate Professor of Dental Practice

BS, Oregon, General Science, 1963

DDS, UOP (PS), 1967

Terry Edwin Hoover

Associate Professor of Dental Practice

AB, Stanford University, Biology, 1968

DDS, University of California, San Francisco, Dentistry, 1972
Rotating Hospital Dental Internship, VA Hospital, Portland, OR, 1973

Randall N. Inouye

Associate Professor of Dental Practice

BS, University of Southern California, Biological Science, 1973
DDS, University of the Pacific, 1976
MSD, University of Washington, Orthodontics, 1983
University of California, Berkeley, Medical Anthropology, 1999
University of California, San Francisco, Medical Anthropology, 1999

Lisa E Itaya

Associate Professor of Dental Practice

BS, Cal Poly State University, Computer Science, 1987
DDS, University of the Pacific, 1998
University of the Pacific, AEGD, 2000

Harry S. Jew

Assistant Professor of Dental Practice

BA, Golden Gate University, 1981
DDS, Northwestern University, 1982
MS, University of New Haven, Human Nutrition, 2002

Bonnie Lynn Jue

Assistant Professor of Dental Practice

University of the Pacific, pre-dental, 1990
DDS, University of the Pacific, dentistry, 1993

Brian J. Kenyon

Associate Professor of Dental Practice

BA, Brown University, Human Biology, 1979
DMD, Tufts University, Dentistry, 1982

Patricia King

Assistant Professor of Dental Practice

AA, College of the Sequoias, Liberal Arts, 1967
San Francisco State University, French, 1969
CA Cred., St. Mary's College, Secondary Education, 1971
BA, UC Berkeley, French/ CA Elementary Education, 1973
MA, University of the Pacific, Stockton CA, Educational Administration and Leadership, 2008
Ed.D, University of the Pacific, Stockton, Ca, Educational Administration and Leadership, 2009

Michael B. Lambert

Assistant Professor of Dental Practice

BA, University of California, 1971
DMD, Washington University School of Dentistry, Dentistry, 1984
VA Hospital, Palo Alto, Certificate, 1985

Margaret Landy

Assistant Professor of Dental Practice

BA, University of California, Berkeley, Philosophy, 2002
MA, University of North Carolina at Chapel Hill, Philosophy, 2006
PhD, University of North Carolina at Chapel Hill, Philosophy, 2011

Natasha Lee

Assistant Professor of Dental Practice

BA, University of California, Santa Cruz, Anthropology, 1994
DDS, University of the Pacific, Dentistry, 2000

William W. Lee

Assistant Professor of Dental Practice

BS, University of Pittsburgh, Neuroscience, 1993
DDS, State University of New York, Buffalo, Dentistry, 1998
Cert, San Francisco VA Hospital, GPR Dentistry, 1999
Fellowship, San Francisco VA Hospital, Prosthodontics, 2000

Stephen C. Lindblom

Instructor of Dental Practice

BS, University of California, San Diego, Molecular Biology, 1996
DDS, University of the Pacific, 2001

Lucinda J. Lyon

Associate Professor of Dental Practice

BS, University of Southern California, Dental Hygiene, 1978
DDS, University of the Pacific, General Dentistry, 1986

EdD, University of the Pacific, Education, 2009

Roberto S. Masangkay

Assistant Professor of Dental Practice

BA, Letran College, Manila Philippines, 1961

DMD, University of the East, School of Dentistry, 1965

Dental Intern, Veterans Memorial Hospital, Manila Philippines, Oral Surgery, 1968

DDS, University of the Pacific, 1989

Maritza Mendez

Assistant Professor of Dental Practice

BA, Temple University, Philadelphia, PA, Psychology, Cum Laude, 1987

DMD, University of Pennsylvania, School of Dental Medicine, Philadelphia, PA, Dentistry, 1991

UCSF, AEGD, Resident (Certificate), 1994

UCSF, AEGD, Chief Resident, 1995

Stephen A. Mikulic

Assistant Professor of Dental Practice

BA, University of Arizona, Psychology, 1971

DDS, University of Southern California, 1975

Christine E Miller

Associate Professor of Dental Practice

BS, RDH, University of Oregon Health Sciences Center, 1975

MHS, University of San Francisco, 1987

MA, University of the Pacific, Education, 1994

Helen Patricia Mockler

Instructor of Dental Practice

BS, University of California, Santa Barbara, Mathematical Sciences, 2006

DDS, University of the Pacific School of Dentistry, General Dentistry, 2010

Nader A. Nadershahi

Professor of Administration

University of California, Berkeley, Biology/Art, 1991

DDS, University of the Pacific, Dentistry, 1994

Palo Alto Veterans Administration Hospital, Hospital Dentistry, 1995

MBA, University of the Pacific, Business, 1999

EdD, University of the Pacific, Education and Leadership, 2011

Daniel Nam

Instructor of Dental Practice

BA, University of California, Los Angeles, Music-Piano, 1996

DDS, University of the Pacific School of Dentistry, General Dentistry, 2002

David Bruce Nielsen

Associate Professor of Dental Practice

AA, Glendale Community College, 1960

BA, Los Angeles State College, 1962

DDS, University of the Pacific, 1967

American Dental Association, 1980

MA, University of the Pacific, 1994

Bruce Peltier

Professor of Dental Practice

BS, USMA, West Point, Engineering, 1970

Med, Wayne State University, West Berlin, Psychology, 1974

PhD, Wayne State University, Detroit, Counseling, 1979

Post- Doc, University of Southern California, Clinical Psychology, 1980

MBA, University of the Pacific, Business, 1999

Beverly Presley-Nelson

Instructor of Dental Practice

University of Arizona, Philosophy, Creative Writing, Chemistry, 1971

RDH, Phoenix College, 1973

BS, Northern University of Arizona, Education/Expanded Function Dental Hygiene, 1978

Susan J. Purcell

Assistant Professor of Dental Practice

BSD, San Jose State University, Microbiology/Med. Tech., 1981

AA, Foothill College, Business Admin., 1983

AA, Foothill College, Dental Hygiene, 1983

DDS, University of the Pacific, 1989

University of the Pacific, Advisory Clinic Residency, 1990

University of Medicine and Dentistry, New Jersey, Oral Surgery, 1991

MBA, University of the Pacific, Business Administration, 1999

Lauren Yasuda Rainey

Instructor of Dental Practice

BA, Wellesley College, East Asian Studies: Japanese language, 2006

DDS, University of Pacific Dugoni Dental School, Dentistry, 2011

Other, Tufts University School of Dental Medicine, General Practice Residency, 2012

Nasser Said-AI-Naief

Associate Professor of Dental Practice

BDS, University of Baghdad, Dentistry, 1985

Marquette University School of Dentistry, 1989

DDS, University of Illinois at Chicago, Dentistry, 1994

MS, University of Illinois at Chicago, Dentistry, 1994

MS, University of Illinois at Chicago, Oral and Maxillofacial Pathology, Oral Biology, 1994

University of Illinois at Chicago, Department of Pathology, Medical College Hospital, Anatomic Pathology and Dermatopathology, 1996

Mount Sinai Medical Center, NY, Head and Neck Pathology, 1997

Long Island Jewish Hospital, Department of Dental Medicine, Oral and Maxillofacial Pathology, Dental Medicine, Oral Maxillofacial Pathology, 2000

Long Island Jewish Hospital, Department of Dental Medicine, Oral and Maxillofacial Pathology, 2000

AFIP Washington D.C., Head and Neck Pathology, 2001

Eric S. Salmon

Assistant Professor of Dental Practice

BS, Harvey Mudd College, Biology, 1993

DDS, University of the Pacific, 1999

William C. Sands

Assistant Professor of Dental Practice

BA, University of the Pacific, Stockton, CA, BA Chemistry, 1967

DDS, University of the Pacific, School of Dentistry, San Francisco, CA, Doctor of Dental Surgery, 1971

Monica Sasaki

Instructor of Dental Practice

BS, California State University, Fresno, Physical Therapy, 1994

MA, California State University, Fresno, Physical Therapy, 1996

Timothy Sheu

of Dental Practice

BS, University of British Columbia, Biochemistry, 1986

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

George Shiao

Instructor of Dental Practice

BA, Washington University St. Louis, Biology and History, 1995

DMD, Temple University School of Dentistry, Dentistry, 1999

Ann Marie Silvestri

Assistant Professor of Dental Practice

Other, Notre Dame des Victories High School, College Preparatory, 1968

BS, University of San Francisco, Biology/Psychology, 1972

DDS, University of the Pacific, General Dentistry, 1975

Cert, University Hospital School, The University of Iowa, Dental Course for patients with disabilities., 1979

MPA, Notre Dame de Namur University, Belmont, CA, Health Services Administration, 1999

Paul Subar

Associate Professor of Dental Practice

BA, UC Santa Cruz, Biochemistry and Molecular Biology, 1989

DDS, University of California, Los Angeles School of Dentistry, 1993

UCLA Center for Health Sciences, General Practice Residency, Department of Hospital, 1994

Veterans Administration Medical Center, Hospital Dental Service, 1995

EdD, University of the Pacific Benerd School of Education, Educational Leadership and Administration, 2009

Tiffany Tang

Instructor of Dental Practice

Hong Kong Polytechnic University, Occupational Therapy, 1988

MA, University of the Pacific, Business Administration, 2002

Rocky Mountain University of Health Professions, Occupational Therapy, 2011

David T. Thornton

Assistant Professor of Dental Practice

BS, University of the California, Berkeley, Nutrition/Dietetics, 1980

DDS, University of the Pacific School of Dentistry, 1986

V. A. Hospital Martinez, CA, 1988

Michael T. Tiller

Instructor of Dental Practice

BS, University of Oregon, 1995

DDS, University of the Pacific, Dentistry, 1999

Allen Wong

Professor of Dental Practice

BA, University of the Pacific, Stockton, Bachelor of Arts, Biology, 1983

DDS, University of the Pacific School of Dentistry, 1986

Branemark NobleBiocare Restorative Implant Certificate, Implant Certificate, 2000

Lynne M. Wong

Assistant Professor of Dental Practice

BS, San Francisco State University, Biochemistry Asian American Studies, 1998

DDS, UOP School of Dentistry, 2002

UOP School of Dentistry, AEGD Program, AEGD, 2004

Russell G. Woodson

Assistant Professor of Dental Practice

BS, Arizona State University, Chemistry, 1976

DDS, University of the Pacific, Dentistry, 1979

MA, University of the Pacific, Educational Psychology-Counseling, 1994

Andrew Young

Assistant Professor of Dental Practice

BA, University of California Berkeley, Molecular and Cell Biology, 2001

DDS, University of California San Francisco, Dentistry, 2005

Cert, Department of Veterans Affairs (Northern California Health Care System), General Practice Dentistry, 2006

Cert, UCSF Pain Management Center (remote), Post Graduate Pain Management, 2008

Cert, University of Medicine and Dentistry, New Jersey, Orofacial Pain Fellowship, 2008

MSD, University of Medicine and Dentistry, New Jersey, Orofacial Pain Masters, 2009

Diplomate, American Board of Orofacial Pain, Board Certified, 2011

Douglas A. Young

Professor of Dental Practice

BA, University of California, Berkeley, Bacteriology, 1977

BS, University of California, San Francisco, Dental Science, 1981

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

UCSF Hospital, SF General Hospital, VA Longbeach Hospital, Hospital Dentistry, Oral Med, Oral Surg Clerkship, 1981

Veteran's Administration Hospital, San Francisco, General Practice Residency, 1982

MBA, University of the Pacific, Business Administration, 1999

MS, University of California, San Francisco, Oral Biology, 2000

PhD, University of the Pacific, Education, 2010

Meixun Sinky Zheng

Assistant Professor of Dental Practice

BA, East China National University, English Education, 2004

MA, East China University, Educational Administration, 2007

PhD, North Carolina State University, Curriculum and Instruction, 2012

Keivan Zoufan

Assistant Professor of Dental Practice

DDS, Tehran Azad University, Doctorate Dental Surgery, 1999

DDS, University of Southern California, Doctorate Dental Surgery, 2004

University of Southern California, Advanced Education in General Dentistry, 2005

MDS, University of Connecticut, Master Dental Sciences - Endodontics, 2010

University of Connecticut, Certificate in Endodontics - Board Eligible, 2010

Adjunct Faculty

Nelofer Ansari

Adjunct Instructor of Dental Practice

Elphinston College, Bombay, Pre-dental Science Classes, 1973

BDS, University of Bombay, Government Dental College and Hospital, Dentistry, 1977

Daniel J. Bender

Adjunct Assistant Professor of Dental Practice

BA, Humboldt State University, German, 1982

George-August Universitat, German Language Literature, 1985

MA, University of North Dakota, Foreign Lang Literature, 1986

EdD, University of San Francisco, Learning and Instruction, 2005

Andrea S. Braun

Adjunct Assistant Professor of Dental Practice

BS, Emory University Atlanta Georgia, Biology, 1978

DDS, New York University, College of Dentistry, 1982

Karl Brose

Adjunct Instructor of Dental Practice

BS, San Jose State University, Science, Chemistry, 1968

DDS, U.O.P Dental School, Dentistry, 2012

North Western Dental, Dentistry, 2012

Carolyn Brown

Adjunct Instructor of Dental Practice

BS, University of Maryland, Finance, Transportation, 1991

Columbia University, 1997

Loyola University, 1997

DDS, University of Maryland, Dental, 2001

Jeff J. Brucia

Adjunct Assistant Professor of Dental Practice

BA, UC Santa Cruz, Biology, 1985

DDS, University of Pacific, Dental, 1988

FSDS, Delta Sigma Delta, Delta Sigma Delta Degree, 1995

MDSD, Delta Sigma Delta, Delta Sigma Delta Degree, 1997

DDSD, Delta Sigma Delta, Delta Sigma Delta Degree, 1998

Justin Chapman

Adjunct Instructor of Dental Practice

BS, University of the Pacific, Biology, 1998

DDS, University of the Pacific School of Dentistry, Dentistry, 2001

Mike M Chen

Adjunct Instructor of Dental Practice

BA, University of the Pacific, Stockton, CA, BA in Biology, 1986

DMD, Temple University, 1990

cert, Innova Corp, Porous Surfaced Endosseous Dental Implants, 1993

cert, Lifecore Corp, Comprehensive Training, 1996

cert, Harvard School of Dental Medicine, Requirements for Fellowship, 2002

cert, University of Miami, School of Medicine, Implant Dentistry Continuum (Comp Training), 2002

cert, The Dental Implant Institute of Las Vegas, Comprehensive Implant Dentistry, 2005

cert, The Dental Implant Institute of Las Vegas, Immediate Implant Dentistry, 2005

cert, The Dental Implant Institute of Las Vegas, Implant Periodontics, 2005

cert, The Dental Implant Institute of Las Vegas, Management of Failing and Ailing Implant, 2005

cert, The Dental Implant Institute of Las Vegas, Requirements for Surgical Fellowship Residency, 2005

cert, The Dental Implant Institute of Las Vegas, Vertical Translation for Primary Closure, 2005

cert, Straumann USA, Practical Application of Immediate Placement and..., 2006

cert, Zimmer Dental, New York University, Bone Biology on Harvesting and Grafting, 2006

cert, Nobel Biocare Training Institute, Nobel Guide: Computer Based Guided Surgery, 2007

Janice Chou

Adjunct Instructor of Dental Practice

BS, University of San Diego, Biochemistry/Cell Biology, 2006

DDS, University of the Pacific School of Dentistry, General Dentistry, 2010

University of the Pacific School of Dentistry, Advanced Education in General Dentistry, 2011

Osleydis Diaz

Adjunct Instructor of Dental Practice

BA, IPVCE/Cuba, Sciences/Literature, 1995

DS, Advanced Institute of Medical Sciences of Santiago de Cuba, Doctor of Stomatology, 2000

Faculty of Medicine, Granma, Cuba, Management and Health Care, 2001

Kaplan Institute and Truman College, English as a Second Language (ESL), 2003

DDS, UCSF School of Dentistry, Dentistry, 2008

Eunice Dizon

Adjunct Instructor of Dental Practice

DDS, New York University College of Dentistry, General Dentistry, 2006

University of the Pacific Arthur A. Dugoni School of Dentistry, General Dentistry - AEGD, 2007

Ernest W. Fessler

Adjunct Assistant Professor of Dental Practice

AB, University of California, Berkeley, Anthropology, 1963

University of California, Davis, Junior standing in mechanical engineering, 1964

DDS, University of the Pacific School of Dentistry, Dentistry, 1968

Mark Frost

Adjunct Instructor of Dental Practice

University of Texas at Austin, Accounting, 1987

DDS, University of Texas Health Science, Dentistry, 1991

Sabine Girod

Adjunct of Dental Practice

DDS, University of Bonn Dental School, Dentistry, 1983

Medical School of Hannover, Oral Surgery, 1987

German Academic Exchange Medical Student, 1989

MD, Hannover Medical School, 1989

Harvard Medical School, Head Neck Oncology, 1990

University of Cologne/Germany, ENT, 1991

University of Cologne/Germany, 1995

PhD, University of Koeln, OI and Maxillofacial Surgery, 1996

Lindsey Green

Adjunct Instructor of Dental Practice

BA, Oakland University, Psychology, 2003

JD, DePaul College of Law, Law, 2007

Raynor Harmeson

Adjunct Assistant Professor of Dental Practice

Bradley University, 1964

DDS, Loyola Dental School, 1968

Sepulveda VA Hospital, General residency, 1969

Lincoln VA Hospital, Clinical Residency in periodontics, 1986

University of Nebraska, Certificate in periodontics, 1986

Livermore VA Hospital, Periodontal consultant, 1987

Maureen Harrington

Adjunct Instructor of Dental Practice

BA, St. Mary's College of California, Integral Studies, 1992

MPH, California State University, Long Beach, Community Health Education, 1996

Savita Hemrajani

Adjunct Instructor of Dental Practice

Bishop Cotton College, Science, 1992

BDS, R.V. Dental College, India, Dentistry, 1997

California State University Northridge, Health Education, 2000

Kelly Hicklin

Adjunct Instructor of Dental Practice

BS, UCLA, Microbiology, Immunology and Molecular Genetics, 2006

DDS, University of the Pacific School of Dentistry, Dentistry, 2009

UCLA, General Practice Residency, 2011

Garrick Hong

Adjunct Instructor of Dental Practice

BA, University of California, Berkeley, Integrative Biology, Bioresource Science, Forestry, 1998

DDS, University of California, San Francisco, Dentistry, 2005

Rex W Hoover

Adjunct Instructor of Dental Practice

BA, UOP, Biology, 1970

DDS, UCLA, 1974

Kevin Hursh

Adjunct Instructor of Dental Practice

BS, San Francisco State University, Biology conc. Physiology, 1997

DDS, University of California, San Francisco, Dentistry, 2001

Peter Jacobsen

Adjunct Professor of Dental Practice

BS, Florida State University, Biology, 1967

PhD, University of California, San Francisco, Comparative Pharmacology and Toxicology, 1972

DDS, University of California, San Francisco, Dentistry, 1977

University of California, San Francisco, Oral Medicine Internship, 1978

Paul-Ryan Lake

Adjunct Instructor of Dental Practice

BA, UC Berkeley, Neurobiology, 1998

DDS, Columbia University, 2008

St Barnabas Hospital, General Practice Residency, 2009

Callin Lee

Adjunct Instructor of Dental Practice

BA, University of the Pacific, Stockton, CA, 1983

DDS, University of California, San Francisco, Dentistry, 1987

Tiffany C. Leung

Adjunct Instructor of Dental Practice

BS, University of California, Davis, Biological Sciences, 1994

DDS, University of the Pacific School of Dentistry, General Dentistry, 1999

Albert S. Lin

Adjunct Assistant Professor of Dental Practice

BS, University of Portland, Life Science, 1976

DDS, University of Pacific, Dentistry, 1994

Lyndon Low

Adjunct Assistant Professor of Dental Practice

BS, University of California, Davis, Biological Sciences, 1985

DDS, University of Pacific School of Dentistry, Dentistry, 1988

MS, University of California, Los Angeles, Oral Biology, 1990

Monica MacVane-Pearson

Adjunct Instructor of Dental Practice

Universite de Moncton, One-month long summer French immersion camp, 1995

Universidad de Zaragoza, Rotary Club International exchange student, 1997

BS, Mount Allison University, Biology, 2001

DMD, McGill University, 2005

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

Gregory Mar

Adjunct Assistant Professor of Dental Practice

BS, University of California, Davis, Biological Sciences, 1985

DDS, University of the Pacific School of Dentistry, General Dentistry, 1988

MA, University of the Pacific, Educational Psychology, 1993

Anthony Mock

Adjunct Instructor of Dental Practice

AB, U.C. Berkeley, Bacteriology, 1975

DDS, Case Western Reserve University Dental School, Dentistry, 1980

Highland General Hospital, GPR, 1981

Alicia Montell

Adjunct Instructor of Dental Practice

BS, Stanford University, Biological Sciences, 2000

DDS, University of California, San Francisco, Dentistry, 2005

Jasmin Moschref

Adjunct Instructor of Dental Practice

BA, University of California, Berkeley, Integrative Biology, 2004

DDS, Indiana University School of Dentistry, Dentistry, 2008

Maysa Namakian

Adjunct Instructor of Dental Practice

BS, California Polytechnic State, Mathematics, 2006

MS, California State University Northridge, Health Education, 2008

Chris Nelson

Adjunct Instructor of Dental Practice

Shasta State High School, 2002

BS, University of California, Davis, Biological Sciences (Neurobiology, Psychology, Behav.), 2006

DDS, University of the Pacific, General Dentistry, 2009

Noha H. Oushy

Adjunct Instructor of Dental Practice

DDS, Ain Shams University, Dental Medicine and Surgery, 2005

MS, New Mexico State University, Public Health, 2010

Jon Pascarella

Adjunct Instructor of Dental Practice

BS, University of the Pacific, Biology, 2004

DDS, University of the Pacific, Dentistry, 2008

Sridevi Ponnala

Adjunct Instructor of Dental Practice

DDS, M.R. Ambedkar Dental College, Dental Surgery, 1997

DDS, University of California San Francisco, Dentistry, 2004

Torrey Rothstein

Adjunct Instructor of Dental Practice

BS, University of California, San Diego, Animal Physiology and Neuroscience, 2002
DDS, University of the Pacific, Dental Surgery, 2005

Faezeh Sadeghi

Adjunct Instructor of Dental Practice

BS, Isfahan University, Iran, Zoology, 1992
College of San Mateo, Biology, 1997
BA, University of California San Francisco, Biology, 1999
DDS, University of California San Francisco, Dentistry, 2005

Mahdi Salek

Adjunct Instructor of Integrated Reconstructive Dental Sciences

BS, UCLA, Biological Sciences, 2005
DDS, University of Illinois at Chicago, General Dentistry, 2011

Jack Saroyan

Adjunct Assistant Professor of Dental Practice

BA, University of California Berkeley, General Curriculum, 1958
DDS, University of the Pacific, Dental School, Dentist, 1962

C. Ray Sheppard

Adjunct Instructor of Dental Practice

University of CA Berkeley, Chemistry, 1962
BS, CA State University Hayward, Biology, 1972
DMD, University of Pittsburgh, Dental, 1977

Mark J. Singer

Adjunct Instructor of Dental Practice

BA, University of Michigan, 1966
MD, College of Physicians and Surgeons of Columbia University, Medicine, 1970
Rush-Presbyterian St. Luke's Medical Center, Internship-Surgery, 1971
Northwestern University McGraw Medical Center, Residency: Pathology, 1972
Northwestern University McGraw Medical Center, Residency: Surgery, 1973
Northwestern University McGraw Medical Center, Fellowship: Head and Neck Surgery, 1976
Northwestern University McGraw Medical Center, Residency: Otolaryngology, 1976

Norma Solarz

Adjunct Instructor of Dental Practice

BA, University of California Berkeley, Botany, 1976
DDS, University of California San Francisco, Dentistry, 1980
University of California Berkeley, MPH Epidemiology, 1990

Russell Haywood Taylor

Adjunct Instructor of Dental Practice

BSc, University of Ottawa, Biology, 2004
MS, University of Ottawa, Biochemistry, 2005
DMD, McGill University, Dentistry, 2009
University of the Pacific School of Dentistry, Dentistry-AEGD, 2010

Ariane Terlet

Adjunct Instructor of Dental Practice

BA, UC Berkeley, 1980
DDS, University of the Pacific, 1986

Willam Albert vanDyk

Adjunct Assistant Professor of Dental Practice

BA, University of California, Davis, Sociology, 1969
DDS, University of the Pacific School of Dentistry, General Dentistry, 1973
Madigan Army Medical Center, Tacoma, Washington, Dental Internship, 1974

Henry Hai Vu

Adjunct Assistant Professor of Dental Practice

BS, West Valley/SJSU, Biology, 1998
DDS, Suny at Buffalo, Dentistry, 2002
VAMC University of Michigan, Cert. Prosthodontics, 2005

Colin Wong

Adjunct Professor of Dental Practice

BA, University of California, Berkeley, Microbiology, 1961
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, General Dentistry, 1965

Course Descriptions

DP 100. Ethics and Exploration of Basic Cultural Issues. 3 Units.

Through a combination of classroom discussion and activities, this course introduces students to cultural and ethical issues relevant to dental school clinics and private practice. In a small group environment, students have the opportunity to discuss school culture and intercultural relationships, preparing them for experiences with a diverse school culture and patient pool. Ethics, along with state and federal regulations, are introduced as they apply to dentistry practiced in dental school clinics and private practice. (27 hours. IDS Quarter 1.).

DP 101. Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry. 5 Units.

This course is the didactic component of a multi-disciplinary, year-long course designed to prepare students to treat patients in Pacific's Main Dental Clinic and engage in community oral health events and programs. Together, DP 101 and DP 106 focus on Diagnostic Sciences, Behavior Sciences, Periodontology, Prevention and Community Health Care Services and Systems. Case-based simulations are supported by clinical exercises and practical exams. (Quarters 1-3.).

DP 106. Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry Practicum. 7 Units.

This clinically-focused, multi-disciplinary course is designed to prepare students to treat patients in Pacific's Main Dental Clinic and in community-based settings. This lab/clinic course is comprised of supervised case-based simulations, workshops, clinical exercises and community sites. The focus is on the development of a comprehensive medical and dental database risk assessment; disease prevention strategies; diagnostic tests; oral pathology; electronic chart management; ergonomics; infection control; basic periodontal instrumentation; professional deportment; cultural sensitivity and communication with patients in the clinic and in community settings. (Quarters 1-4.).

DP 107. Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry Practicum. 2 Units.

This one-quarter course is offered in the first year of the International Dental Studies curriculum. This clinically-focused, multi-disciplinary course is designed to prepare students to treat patients in Pacific's Main Dental Clinic. In a variety of settings such as seminars, case-based simulations and clinical exercises, students focus on diagnosis, treatment planning, communication, efficient patient care, clinical systems, basic periodontal instrumentation, electronic patient records and infection control. (IDS Quarter 2.).

DP 160. Dental Radiology. 2 Units.

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. (Quarters 2-3.).

DP 166. Dental Radiographic Technique. 1 or 2 Unit.

Instruction and practice using the extension cone paralleling radiographic technique including patient management, radiation safety, use of equipment, film placement, exposure, identification and mounting, and correction of technical error. (20 hours lab/clinic. Quarter 4.).

DP 200. Practice Management I. 1 Unit.

Introduces students to the study of fundamental concepts and terminology of the art and science of practice management as a basis for leadership and decisions in dental practice. Students will learn to track and evaluate key practice indicators, read financial reports, understand the importance of leading a team for efficient delivery of patient care, track and control overhead expenses, and set goals. (10 hours. Quarters 5-6.).

DP 201. Integrated Clinical Sciences II: Application of Foundational Knowledge. 10 Units.

This three-quarter course provides students with enriched multidisciplinary diagnostic and technical content beyond the fundamentals of first-year studies. Material is presented in a variety of formats including lecture, small group seminars, hands-on simulation exercises, and case-based discussion. Topics include biomedical sciences, ethics, materials, techniques, basic radiographic interpretation, and information specific to each discipline of dental practice. Emphasis is placed on critical thinking and application of foundational skills to the clinical treatment and management of patients. (Quarters 5-7.).

DP 202. Integrated Clinical Sciences II: Application of Foundational Knowledge. 2 or 7 Units.

This one-quarter course builds on foundational clinical and biomedical material presented in first-year studies and in DP201. Topics include advanced material in oral surgery, endodontics, restorative, implants, orofacial pain, and managing complex cases. Emphasis is placed on the integration of all dental disciplines, small group clinical lab exercises, and critical thinking projects to deliver accurate diagnoses and prepare comprehensive treatment plans for students' patients. (Quarter 8.).

DP 216. Patient Management and Productivity I. 2 or 4 Units.

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. (Quarters 5-8.).

DP 218. Clinical Oral Diagnosis and Treatment Planning. 1-4 Units.

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. (Quarters 5-8.).

DP 219. Clinical Management and Judgment I. 2 or 4 Units.

Students will learn comprehensive diagnostic 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 will examine and evaluate the patient, identify and list dental problems, complete an appropriate treatment plan and schedule, provide all dentistry required in the disciplines, and recognize need for and refer the patient to specialty areas when such treatment is required. (Quarters 5-8.).

DP 266. Clinical Radiology. 2 Units.

Study of preparation, evaluation, and interpretation of diagnostically acceptable intraoral radiographic and panoramic surveys for comprehensive care and emergency clinic patients. (Quarters 5-8.).

DP 300. Practice Management. 3 Units.

Challenges students to apply knowledge of practice management concepts through utilization of a computerized business simulation. Includes preparation for career decisions in dentistry with a focus on practice transitions, associateships, dental benefit plan participation, marketing, debt management, retirement planning, patient billing and collections, scheduling for efficiency, basic accounting, tax planning, and development of business plans. (30 hours lecture. Quarter 11.).

DP 301. Jurisprudence. 1 Unit.

Prepares students for an understanding of the 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 risk management. (10 hours lecture. Quarter 10.).

DP 302. Clinical Care of Complex Needs Patients. 4 Units.

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 and seminar. Quarters 9-11.).

DP 303. Integrated Clinical Sciences III: Multidisciplinary Case Based Seminars. 6 Units.

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. (60 hours lecture/seminar. Quarters 9-11.).

DP 307. Extramural Patient Care. 4 Units.

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. Quarters 9-12.).

DP 316. Patient Management and Productivity II. 4 Units.

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. (Quarters 9-10.).

DP 317. Patient Management and Productivity III. 4 Units.

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. (Quarters 11-12.).

DP 318. Clinical Management and Judgment II. 4 Units.

Students will learn comprehensive diagnostic 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 will examine and evaluate the patient, identify and list dental problems, complete an appropriate treatment plan and schedule, provide all dentistry required in the disciplines, and recognize need for and refer the patient to specialty areas when such treatment is required. (Approximately 700 hours in clinical disciplines listed. Quarters 9-10.).

DP 319. Clinical Management and Judgment III. 4 Units.

Students will learn comprehensive diagnostic 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 will examine and evaluate the patient, identify and list dental problems, complete an appropriate treatment plan and schedule, provide all dentistry required in the disciplines, and recognize need for and refer the patient to specialty areas when such treatment is required. (Approximately 700 hours in clinical disciplines listed. Quarters 11-12.).

DP 320. Preparation for State Licensure. 0 Units.

This course, available to students on an as-needed basis, includes a review of requirements and protocol as well as practical exercises in preparation for the Western Regional Examining Board and other licensing examinations.

DP 368. Emergency Clinic. 3 Units.

The diagnosis and treatment of patients who require immediate attention. (90 hours clinical rotation. Quarters 9-12.).

PA 230. General Pathology. 6 Units.

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. (52 hours lecture/seminar and 34 hours independent study. Quarters 5-6.).

PA 330. Oral Pathology. 5 Units.

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. Quarters 7-9.).

PA 331. Differential Diagnosis of Oral and Maxillofacial Lesions. 2 Units.

Clinical evaluation, development of a 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. Quarter 10.).

Endodontics (EN)

Department Chairperson

Alan H. Gluskin

Professor of Endodontics

Ove Andreas Peters

Professor of Endodontics

Faculty

David Clifford Brown

Associate Professor of Endodontics

BSD, Newcastle University Dental School, 1988

MSD, Newcastle University Dental School, Operative, 1993

MSD, Indiana University, Endodontics, 1994

Ronald Brown

Associate Professor of Endodontics

University of California, Los Angeles, 1953

DDS, College of Physicians Surgeons (UOP), 1957

Cert., Loyola University of Chicago, Endodontics, 1984

MS, Loyola University of Chicago, Oral Biology, 1984

Samer Magdi Ebeid

Assistant Professor of Endodontics

BS, University of San Francisco, Biological Sciences, 1989

DDS, University of the Pacific, Dentistry, 1992

Boston University School of Dental Medicine, Endodontics, 1996

Bruce B. Fogel

Associate Professor of Endodontics

DDS, University of California, Los Angeles, 1970

Harvard University / Forsyth Dental Center, Certificate in Endodontics, 1972

Alan H. Gluskin

Professor of Endodontics

BA, University of California, Los Angeles, Anthropology, 1968

DDS, University of the Pacific, Dentistry, 1972

Temple University, Endodontics, 1976

Ravi S. Koka

Assistant Professor of Endodontics

BDS, London Hospital Medical College, England, 1990

DDS, Loma Linda University, 1993

MS, University of Nebraska, 1998

Lawrence M. LeVine

Assistant Professor of Endodontics

BS, University of Illinois, Urbana, Philosophy, 1958

DDS, University of Illinois, Chicago, Dentistry, 1962

Nick A Morton

Assistant Professor of Endodontics

BS, University of California San Diego, Biochemistry and Cell Biology, 2004

DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Doctor of Dental Surgery, 2008

MS, University of Florida, Masters of Science in Dental Science, 2010

Lee Edwards Osnas

Assistant Professor of Endodontics

BS, California State University, Agronomy and Irrigation, 1970

MS, California State University, Irrigation, 1984

DDS, University of Pacific, Dentistry, 1994

University of Pacific, A.E.G.D., 1995

MSD, Case Western Res University, Endodontics, 1998

Christine Inge Peters

Professor of Endodontics

American School in Lahore, Pakistan, 1976

Heilbronn, Germany, Primary School, 1977

Gymnasium Mockmuhl, Mockmuhl, Germany, 1986

DDS, Ruprecht-Carls - University, Heidleberg, Germany, Approbation as Dentist, 1992

DDS, Ruprecht-Carls - University, Heidleberg, Germany, Dissertation: Dr. med. Dent, 1992

University of Zurich, Switzerland, Postgraduate in Education Endodontology, 2001

Ove Andreas Peters

Professor of Endodontics

University of Kiel Dental School, Germany, Dentistry, 1990

PhD, University of Kiel, Physiology, Dr med dent., 1992

PhD, University of Zurich Dental School Switzerland, Oper. Dentistry/ Endodontics, 2001

University of Zurich Dental School Switzerland, Endodontics, 2001

MS, UCSF, Oral Biology, 2003

UCSF, Endodontics, 2006

Nidhi Prakash

Assistant Professor of Endodontics

DMD, Boston University SDM, Dental, 2005

CAGS, ENDO, Boston Univeristy SDM, Endodontics, 2009

Phuong NMN Quang

Assistant Professor of Endodontics

BA, University of California, Berkeley, Biochemistry and Molecular Biology

Minor: Spanish, 2000

DDS, University of California, San Francisco School of Dentistry, Doctor of Dental Surgery, 2005

PhD, University of California, San Francisco, School of Dentistry, Oral Craniofacial Sciences, 2010

University of Texas Health Sciences Center at San Antonio, Endodontics Certificate, 2012

Ali Allen Rezai

Assistant Professor of Endodontics

BA, University of California, Davis, Economics, 1987

DDS, Columbia University School of Dental Oral Surgery, Dentistry, 1999

Manhattan VA Medical Center, 2000

Manhattan VA Medical Center/New York University, Endodontics, 2002

Raymond S. Scott

Assistant Professor of Endodontics

BA, U.C. Santa Barbara, Biology, 1977

DDS, University of the Pacific, Dentistry, 1980

MS, University of Pittsburgh, Endodontics, 1992

Ralan Dai Ming Wong

Associate Professor of Endodontics

College of San Mateo, 1988

Skyline College, 1988

University of the Pacific, 1989

DDS, University of the Pacific, Dentistry, 1992

University of the Pacific, AEGD, 1994

University of Vienna, Histology, 1996

MS, University of Pennsylvania, 1997

University of Pennsylvania, Endodontics, 1997

Shannon Wong

Associate Professor of Endodontics

Fresno State College, 1958

DDS, University of California, San Francisco, Dentistry, 1962

MS, University of Texas, Houston, 1972

University of Texas, Houston, Endodontics, 1972

Adjunct Faculty

Ana Arias

Adjunct Instructor of Endodontics

DDS, Complutense University, Madrid, Dentistry, 1995

PhD, Complutense University, Dentistry, 2004

Autonoma University, Statistics - Postgraduate Diplomate, 2006

Sahar Dadvand

Adjunct Instructor of Endodontics

DDS, Azad University, Esfahan, Iran, Dentistry, 2004

DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Dentistry, 2010

University of California, Los Angeles, General Practice Residency Certificate, 2011

Nava Fathi

Adjunct Assistant Professor of Endodontics

Complutense University, Madrid, Spain, Certificate of completion of the UC Education Abro, 1991

BS, University of California, Irvine, Biological Science, 1992

DDS, University of the Pacific, Doctorate in Dental Surgery, 1995

University of the Pacific Arthur A. Dugoni School of Dentistry, Advanced Ed in General Dentistry, Certificate, 1996
University of the Pacific, Advanced Endodontics, 1996
University of Southern California School of Dentistry, Postgraduate Program in Endodontics, Los Angeles, CA, Certificate of Endodontic Specialty, 1998
University of Southern California, Postgraduate Endodontics, 1998
American Dental Association Institute For Diversity in Leadership, Chicago, IL, Certificate of Completion, 2000
Northwestern University Kellogg School of Management - ADA/Kellogg Mini MBA Program, Certificate of Completion, 2001

Ken Hovden

Adjunct Assistant Professor of Endodontics
BA, Stanford University, Biology, 1978
DDS, UOP School of Dentistry, 1981

G-Hong Robert Hsu

Adjunct Assistant Professor of Endodontics
University of California Davis, Biochemistry Major, 1993
DDS, Columbia University School of Dental and Oral Surgery, Dentistry, 1997
Loma Linda University School of Dentistry, Certificate, Endodontics, 2002
MS, Loma Linda University School of Dentistry, Endodontics, 2003

Christina N. Lee

Adjunct Instructor of Endodontics
BS, University of the Pacific, Stockton, CA, Biology, 2007
DDS, University of the Pacific, School of Dentistry, SF, CA, Dentistry, 2010
Certificat, University of the Pacific, School of Dentistry, SF, CA, Advanced Education in General Dentistry, 2011

Daniel Joseph Simon

Adjunct Assistant Professor of Endodontics
BS, Santa Clara University, Political Science, 1994
DDS, Columbia University, Dentistry, 2002
Certificat, Harvard University, Endodontics, 2005
MMSc, Harvard University, Oral Biology, 2005

Course Descriptions

EN 154. Basic Endodontics. 1 Unit.

Development of the dental pulp, classification and nature of endodontic disease, clinical diagnosis, and fundamentals of root canal therapy and radiographic interpretation. (10 hours lecture. Quarter 3.).

EN 159. Preclinical Endodontics. 2 Units.

Study of pulp morphology, anatomy, cleaning and shaping of root canals; access openings; use of irrigating solutions; obturating the canal and judging the complete treatment with radiographs. (40 hours laboratory. Quarter 4.).

EN 254. Endodontics. 1 Unit.

Review of endodontic retreatment and surgical therapies; dental trauma and sequelae; complex problem solving; endodontic emergencies; endodontic mishaps; and alternate treatments. (10 hours lecture. Quarter 7.).

EN 259. Clinical Endodontics I. 2 or 4 Units.

Study of endodontic diagnosis, treatment planning, and therapy, including management of endodontic emergencies and surgical endodontics in a comprehensive clinical dental practice setting. (Quarters 5-8.).

EN 359. Clinical Endodontics II. 8 Units.

Study of endodontic diagnosis, treatment planning, and therapy, including management of endodontic emergencies and surgical endodontics in a comprehensive clinical dental practice setting. (Quarters 9-12.).

Integrated Reconstructive Dental Sciences (RDS)

Department Chairperson

Marc J. Geissberger

Professor of Integrated Reconstructive Dental Sciences

Vice Chair, Clinical Education

Foroud F. Hakim

Assistant Professor of Integrated Reconstructive Dental Sciences

Vice Chair, Preclinical Education, Technology and Research

Parag R. Kachalia

Associate Professor of Integrated Reconstructive Dental Sciences

Director of Communication and Calibration

Shika Gupta

Assistant Professor of Integrated Reconstructive Dental Sciences

Director of Removable Prosthodontics

W. Peter Hansen

Associate Professor of Integrated Reconstructive Dental Sciences

Director of Implant Dentistry

Steven Judd Sadowsky

Associate Professor of Integrated Reconstructive Dental Sciences

Director of Fixed Prosthodontics

Dennis J. Weir

Associate Professor of Integrated Reconstructive Dental Sciences

Director of Operative Dentistry

Patrick L. Roetzer

Assistant Professor of Integrated Reconstructive Dental Sciences

Director of Research

Karen A. Schulze

Associate Professor of Integrated Reconstructive Dental Sciences

Director of Technology

Bina Surti

Assistant Professor of Integrated Reconstructive Dental Sciences

Primary DDS Preclinical Course Director

Jessie Virginia Vallee

Assistant Professor of Integrated Reconstructive Dental Sciences

Faculty

Bernadette A Alvear Fa

Assistant Professor of Integrated Reconstructive Dental Sciences

BS, University of the Pacific, Biology, 2003

DDS, University of the Pacific, Dentistry, 2006

Veronica Avalos

Assistant Professor of Integrated Reconstructive Dental Sciences

BS, Santa Clara University, 1997

DDS, University of the Pacific, 2000

Rene A. Bagus

Instructor of Integrated Reconstructive Dental Sciences

DDS, University of the Pacific, 2001

Hilary Balfour

Instructor of Integrated Reconstructive Dental Sciences

BS, University of Southern California, Dental Hygiene, 1979

DDS, Loyola University, Chicago School of Dentistry, Dentistry, 1983

Northwestern University, Graduate Medical Education- Dentistry, 1985

William C. Barthold

Assistant Professor of Integrated Reconstructive Dental Sciences
BA, Indiana University, 1971
DDS, University of Michigan, 1975

Zachary Ian Boger

Instructor of Integrated Reconstructive Dental Sciences
BA, CSU, Chico, Communications, 1999
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Dentistry, 2008

Philip M. Buchanan

Assistant Professor of Integrated Reconstructive Dental Sciences
AA, Santa Monica City College, Pre-dental, 1963
DDS, University of Southern California, Dentistry, 1968

George E. Bunnell

Associate Professor of Integrated Reconstructive Dental Sciences
BS, University of San Francisco, Biology, 1962
DDS, College of Physician and Surgeons, University of the Pacific, Dentistry, 1967

Susan Caliri

Instructor of Integrated Reconstructive Dental Sciences
BS, University of San Francisco, Science, 1977
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, Dentistry, 1985
V.A. Medical Center, San Francisco, General Practice Residency, 1986

Christopher J. Catalano

Instructor of Integrated Reconstructive Dental Sciences
BS, St. Mary's College, Biology, 1988
DDS, Pacific School of Dentistry, Dentistry, 1991

Pedro A. Caturay

Assistant Professor of Integrated Reconstructive Dental Sciences
BS, San Francisco State University, Nursing, 1985
DDS, University of the Pacific School of Dentistry, Dentistry, 1991
University of the Pacific School of Dentistry, AEGD, 1992

Eric H. Chen

Instructor of Integrated Reconstructive Dental Sciences
BS, University of the Pacific, Biochemistry, 2002
MS, University of the Pacific, Pharmacy and Chemistry, 2007
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, Dental Surgery, 2009
Other, University of the Pacific, Arthur A. Dugoni School of Dentistry, Certificate: Adv Education in General Dentistry, 2011

Jane Choi

Instructor of Integrated Reconstructive Dental Sciences
Other, Long Beach VAMC, Certificate of Residency / General Practice, 1011
BA, University of NC at Chapel Hill, Anthropology, 2005
DDS, University of NC School of Dentistry, Dentistry, 2010

Robert H. Christoffersen

Professor of Integrated Reconstructive Dental Sciences
BA, San Francisco State University, 1963
DDS, University of the Pacific, 1967
MA, University of the Pacific, 1980

Steven Reed Curtis

Associate Professor of Integrated Reconstructive Dental Sciences
Santa Rosa Junior College, 1977
University of California, Davis, 1978
DDS, University of California, Los Angeles, Doctor of Dental Science, 1982
Chanute Air Force Base, Air Force General Practice Residency, 1983
Bethesda National Naval Dental Center, Prosthodontic Specialty Certificate, 1992
Peterson Area Dental Laboratory, 1996

Mina R. Desai

Assistant Professor of Integrated Reconstructive Dental Sciences
BDS, Gov. Dental College, Ahmedabad, India, Dentistry, 1987
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Dentistry, 1991

Stafford Justin Duhn

Assistant Professor of Integrated Reconstructive Dental Sciences
BA, University of California, Berkeley, 1981
DDS, University of the Pacific, 1984

Karen Edwards

Assistant Professor of Integrated Reconstructive Dental Sciences

University of California Santa Cruz, Biology, 1992
DDS, New York University College of Dentistry, Dentistry, 1997

Thomas C Ellerhorst

Assistant Professor of Integrated Reconstructive Dental Sciences
BS, University of San Francisco, Biology, 1972
DDS, University of the Pacific, Dentistry, 1977

Lawrence E. Fong

Assistant Professor of Integrated Reconstructive Dental Sciences
BA, University of California, Berkeley, Zoology, 1967
DDS, Northwestern University Dental School, Dentist, 1971

Gail E. Frick

Assistant Professor of Integrated Reconstructive Dental Sciences
BS, Scripps College, Biology, 1973
Georgetown, Graduate Biology, 1974
DMD, TUFTS University - School of Dental Medicine, Dentistry, 1977
UCLA, Prosthodontics Certificate, 1981

Lawrence L. Gardner

Assistant Professor of Integrated Reconstructive Dental Sciences
Washington State University, Zoology, 1961
BA, University of Washington, Zoology, 1965
DDS, University of Washington, Dentistry, 1969

Marc J. Geissberger

Professor of Integrated Reconstructive Dental Sciences
BS, St. Mary's College of California, Bachelors of Science in Biology, 1988
DDS, Doctor of Dental Surgery, University of the Pacific, Dentistry, 1991
MA, University of the Pacific, Master of Arts in Educational Psychology, 1994
CPT, National Academy of Sports Medicine, Exercise Physiology, 2009

Darya Gertrudes Ghafourpour

Instructor of Integrated Reconstructive Dental Sciences
BA, University of California, Santa Cruz, Biology, 1992
DDS, University of the Pacific, 1996

Ernest G. Giachetti

Assistant Professor of Integrated Reconstructive Dental Sciences
BS, University of Santa Clara, 1963
DDS, University of the Pacific, 1967

Carlos Eduardo Gonzalez

Assistant Professor of Integrated Reconstructive Dental Sciences
DDS, Universidad Evangelica, Dental Surgery, 1995
New York University, Prosthodontics Certificate of Completion, 1998
Private Zahn Klinik Schloss Schellestein with Prof. Fouad Khoury, Olsberg, Germany, Bone augmentation Procedures soft tissue mngmt, 2008
Pikos Implant Institute, Advanced Bone Grafting Procedures I II, 2009

Shika Gupta

Assistant Professor of Integrated Reconstructive Dental Sciences
BDS, GOA Dental College and Hospital, Dentistry, 1997
University of Malaya, Faculty of Dentistry, MDSc, 2001
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Dentistry, 2007

Maria Josefina Gutierrez-Quevedo

Instructor of Integrated Reconstructive Dental Sciences
BS, College La Concepcion, Bachelor of Science, 1999
DDS, University Santa Maria, Dentistry, 2004
University Santa Maria, Pediatric Dentistry, 2007
University of California, Los Angeles, Preceptorship Program in Advanced Prosthodontics, 2009
University of California, Los Angeles, Community Health Advocacy Training in Pediatrics, 2010
University of California, Los Angeles, Preceptorship Program in Pediatric Dentistry, 2010
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, Dentistry, 2012

Annie Hagan

Instructor of Integrated Reconstructive Dental Sciences
BA, Santa Clara University, Psychology, 2003
DDS, University of Southern California, Dentistry, 2010

Foroud F. Hakim

Assistant Professor of Integrated Reconstructive Dental Sciences
Louisiana State University, 1985
BS, San Jose State University, 1987

DDS, University of the Pacific, 1991
MBA, University of the Pacific, 1999
ADEA Leadership Institute, 2008

W. Peter Hansen

Associate Professor of Integrated Reconstructive Dental Sciences
San Diego High School, 1962
BS, UOP Bachelor of Science Biology, 1966
Mercy Hospital School of Medicine Technology, 1967
DDS, University of the Pacific School of Dentistry, 1971
UCSF Medical Center, 1973
University of Southern California School of Dentistry Advanced Prosthodontics, 1979

Heidi K. Hausauer

Assistant Professor of Integrated Reconstructive Dental Sciences
BA, University of the Pacific, 1982
DDS, University of the Pacific, 1985
VA Palo Alto, 1986

Robert Hepps

Assistant Professor of Integrated Reconstructive Dental Sciences
Miami University, Chemistry/Pre-dental, 1966
DDS, Ohio State University, 1971
University of California, San Francisco, Internship Certificate/General Dentistry, 1974

Andy Hoover

Instructor of Integrated Reconstructive Dental Sciences
Archbishop Mitty High School, High School, 2000
BA, University of Colorado at Boulder, Environmental, Population, and Organic Biology, 2005
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Doctor of Dental Sciences, 2013

Vivian Huang

Instructor of Integrated Reconstructive Dental Sciences
BA, Creighton University, Communication Arts, 2000
DMD, Tufts University, Dentistry, 2005
University of California Los Angeles, AEGD Residency, 2006

Parag R. Kachalia

Associate Professor of Integrated Reconstructive Dental Sciences
BS, University of California, Davis, Physiology, 1998
Minor, University of California at Davis, Managerial Economics, 1998
DDS, University of the Pacific, Dentistry, 2001

Prajakta S. Kamat

Instructor of Integrated Reconstructive Dental Sciences
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Dentistry
BDS, Govt. Dental Coll Hosp., Dentistry, 2003

Constantine J. Karsant

Instructor of Integrated Reconstructive Dental Sciences
BA, San Francisco State University, Health Sciences, 1981
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 1984

Nicholas K. Kitajima

Instructor of Integrated Reconstructive Dental Sciences
BS, University of California, Davis, Physiology, 2001
DDS, University of the Pacific, School of Dentistry, General Dentistry, 2004
University of the Pacific, School of Dentistry, AEGD Dentistry, 2005

Alexander Kogan

Instructor of Integrated Reconstructive Dental Sciences
BA, University of San Francisco, Biology, 1996
DDS, University of the Pacific School of Dentistry, 1999

Eugene Edward LaBarre

Associate Professor of Integrated Reconstructive Dental Sciences
BA, Harvard University, 1973
DMD, Tufts University, 1977
MS, University of North Carolina, 1981

Avery Lieberman

Assistant Professor of Integrated Reconstructive Dental Sciences
BA, UC Santa Barbara, Biological Sciences, 1982
DDS, UCLA, Dentistry, 1986

Marcia Loo

Assistant Professor of Integrated Reconstructive Dental Sciences
DDS, University of the Pacific, Dentistry, 1996

Kenneth Gregory Louie

Associate Professor of Integrated Reconstructive Dental Sciences
BA, University of California, Berkeley, Microbiology, 1985
DDS, University of the Pacific, Dentistry, 1988
MA, University of the Pacific, Education, 1994

Elliot Low

Instructor of Integrated Reconstructive Dental Sciences
University of California, Berkeley, 1974
DDS, University of the Pacific School of Dentistry, Dentistry, 1977
UCSF, Implantology Study Group - (One Year Program), 1984
UCSF Postgraduate Temporomandibular Joint Disorder Program, 1989

Jennifer Marie Low

Instructor of Integrated Reconstructive Dental Sciences
BS, Santa Clara University, Biology, 2008
DDS, University of the Pacific Arthur A Dugoni School of Dentistry, 2012

Richard G. Lubman

Assistant Professor of Integrated Reconstructive Dental Sciences
BA, DePauw University, Greencastle, Indiana, Economics, 1964
DDS, Loyala Dental School, Chicago, Illinois, Dentistry, 1968
CER, Marion County General Hospital, Indianapolis, IN, General Anesthesia, 1971

Nancy Ly

Instructor of Integrated Reconstructive Dental Sciences
BA, University of the Pacific, Biology, 2008
DDS, University of the Pacific, Dentistry, 2011

Charles W. McGary

Instructor of Integrated Reconstructive Dental Sciences
University of Michigan, 1953
University of Michigan, DDS, 1957

James Edward Milani

Associate Professor of Integrated Reconstructive Dental Sciences
BA, University of the Pacific, Biology, 1979
DDS, University of the Pacific, 1982

Jeffrey P. Miles

Associate Professor of Integrated Reconstructive Dental Sciences
BA, University of California, Santa Barbara, CA, Biochemistry, 1976
DDS, University of California, San Francisco, CA, 1980
University of Washington, Summer Institute in Clinical Dental Research Metho, 2006

Farbod Bob Nadjibi

Instructor of Integrated Reconstructive Dental Sciences
BS, University of California, Davis, Genetics, 1996
DDS, University of the Pacific, 1999
AEGD, University of the Pacific, School of Dentistry, 2000

Warden H. Noble

Professor of Integrated Reconstructive Dental Sciences
University of California, Berkeley, Biology, 1961
DDS, University of California, San Francisco, Dentistry, 1965
MS, University of Southern California, Education, 1968
MS, University of Michigan, Ann Arbor, Restorative Dentistry, 1970

Gabriela Pitigoi-Aron

Associate Professor of Integrated Reconstructive Dental Sciences
BA, High School Gh. Lazar, Romania, 1972
DMD, The Institute of Medicine and Pharmacy Bucharest, Romania, 1978
The Institute of Medicine and Pharmacy Bucharest, Romania, 1981
The Leadership Institute in Bucharest, Romania, Leadership, Education, and Polics, 1990
The Institute of Medicine and Pharmacy in Bucharest, Romania, Stomatologie, 1991
EDD, Glady L. Benerd School of Education, 2011

Priya Prasannakumar

Assistant Professor of Integrated Reconstructive Dental Sciences
BDS, Pamashree Dr. D. Y. Patil Dental School, Dentistry, 2002
DDS, University of the Pacific, Dentistry, 2011

Gitta Radjaeipour

Associate Professor of Integrated Reconstructive Dental Sciences

San Jose State University, Pre-Dental, 1989

DDS, University of the Pacific, 1992

University of the Pacific, Gladys L Benerd School of Education, Education administration and leadership, 2009

Ryle August Radke

Professor of Integrated Reconstructive Dental Sciences

University of Washington, 1953

DDS, University of Washington, 1957

University of Southern California, Certificate in Fixed Prosthodontics, 1962

William Beaumont Army Medical Center, Certificate in Fixed Prosthodontics, 1965

Laura K. Reid

Assistant Professor of Integrated Reconstructive Dental Sciences

Flinders University, Australia, Education Abroad Program, 1989

BS, University of California, Davis, Psychology, 1991

Vanderbilt University, Doctor of Medicine, 1996

DDS, University of the Pacific, Doctorate of Dental Surgery, 2000

Patrick L. Roetzer

Assistant Professor of Integrated Reconstructive Dental Sciences

BS, University of Wisconsin, Experimental Psychology and Biology, 1970

DDS, Marquette University, Dentistry, 1974

Veterans Administration Medical Center, General Practice Resident, 1975

Francis Roque

Instructor of Integrated Reconstructive Dental Sciences

BS, University of Florida, Nutritional Sciences, 2007

DMD, University of Florida College of Dentistry, Doctor of Dental Medicine, 2011

University of the Pacific School of Dentistry, Advanced Education in General Dentistry, 2012

Steven Judd Sadowsky

Associate Professor of Integrated Reconstructive Dental Sciences

BA, University of California, Los Angeles, Psychology, 1967

DDS, University of California, Los Angeles, DDS, 1971

University of Southern California School of Dentistry, Los Angeles, Certificate, Advanced Prosthodontic Education, 1983

Ladan Sahabi

Instructor of Integrated Reconstructive Dental Sciences

AS, Pierce College, Chemistry, 2006

BS, University of California Los Angeles, Biochemistry, 2009

DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Doctor of Dental Surgery, 2012

Shirin Salehinia

Instructor of Integrated Reconstructive Dental Sciences

B.A., California State University, Northridge, 1990

D.D.S., University of California at San Francisco, 1995

Tufts University, Dental Sleep Medicine, 2013

Eugene T. Santucci

Associate Professor of Integrated Reconstructive Dental Sciences

BS, Kings College, 1964

DDS, Temple University School of Dentistry, 1968

U.S. Navy Dental Internship, Certificate of Completion, 1969

Foundation for Advanced Continuing Education, Certificate of Completion, 1977

MA, University of the Pacific, 1994

Noelle Meconi Santucci

Assistant Professor of Integrated Reconstructive Dental Sciences

Marquette University

DDS, University of the Pacific, 1991

University of the Pacific, AEGD, 1992

MA, University of the Pacific, 1994

Troy Schmedding

Assistant Professor of Integrated Reconstructive Dental Sciences

BA, University of Puget Sound, Bachelor of Science, 1990

University of the Pacific, 1993

Karen A. Schulze

Associate Professor of Integrated Reconstructive Dental Sciences

Max-Klinger School, Leipzig, Germany (Extended secondary school), Abitur (baccalaureate), 1986

DDS, University of Leipzig, Germany, Dentistry, 1992

PhD, University of Leipzig, Germany, Oral Surgery, 1998

UC San Francisco, Post-Doc in Dental Materials, 2002

Gerald R. Scimeca

Assistant Professor of Integrated Reconstructive Dental Sciences
San Jose University, Biological Science, 1966
DDS, Northwestern University, Dentistry, 1970

Emilia N. Seiferling

Assistant Professor of Integrated Reconstructive Dental Sciences
San Joaquin Delta College, 1969
BS, University of the Pacific, 1971
San Jose State, Secondary Teaching Credential, 1973
DDS, University of the Pacific, 1979

Roxanna R. Shafiee

Assistant Professor of Integrated Reconstructive Dental Sciences
BS, University of San Francisco, Biology, 1993
DDS, University of the Pacific, 1997
MSD, University of the Pacific, Orthodontics, 2009

Vishnu Shankar

Instructor of Integrated Reconstructive Dental Sciences
University of South Pacific, Preliminary Medical Science, 1981
DDS, University of the Pacific School of Dentistry, Dentistry, 1991
DDS, Fiji School of Medicine, Dentistry, 2013
Nobel Biocare Dental Implant Mini-Residency, 2013

Edward L. Shaw

Assistant Professor of Integrated Reconstructive Dental Sciences
BS, University of British Columbia, 1977
DDS, University of the Pacific, 1982
Cert, University of California, San Francisco, GPR, 1983
Cert, University of California, San Francisco, Prosthodontics, 1986

Darlene Shimamoto

Assistant Professor of Integrated Reconstructive Dental Sciences
BS, UC Davis, Biology, 1992
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Dentistry, 1996

Dennis Daizo Shinbori

Associate Professor of Integrated Reconstructive Dental Sciences
AA, City College of San Francisco, 1970
BA, University of the Pacific, 1972
DDS, University of the Pacific, Dentistry, 1975

Brian Kent Sibbald

Instructor of Integrated Reconstructive Dental Sciences
AB, University of California, Berkeley, 1969
DDS, University of California, Los Angeles, 1973

Dorothy J. Slattery

Assistant Professor of Integrated Reconstructive Dental Sciences
Madison Area Tech College, AAS, Dental Hygiene, 1975
University of Houston, Pre-Dental, 1981
DDS, University of Texas Science Center, Dental Branch at Houston, TX, Dentistry, 1985
Mt. Zion Hospital, General Practice Residency, 1986

Bina Surti

Assistant Professor of Integrated Reconstructive Dental Sciences
BS, Wayne State University, Biology, 1991
DDS, University of Detroit Mercy, Dentistry, 1995
AEGD, Case Western Reserve University, AEGD, 1996
Case Western Reserve University, Fellowship, 1997

Ulf Temnitzer

Instructor of Integrated Reconstructive Dental Sciences
Sonoma State University, 2007
DDS, University of the Pacific, Dentistry, 2010
Other, University of Alabama at Birmingham, Graduate Prosthodontics, 2013

Shinil Thomas

Instructor of Integrated Reconstructive Dental Sciences
BDS, Bapuji Dental College, Dental, 2002
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Dentistry, 2011

Alan K. Tong

Assistant Professor of Integrated Reconstructive Dental Sciences

BA, City University of New York City College, 1976

MBA, St. John's University, New York, NY, 1984

DDS, University of the Pacific, 1989

Chi Dinh Tran

Assistant Professor of Integrated Reconstructive Dental Sciences

University of Richmond, 1973

DDS, Medical College of Virginia, 1979

University of California, San Francisco, Certificate in Prosthodontics, 1984

Jessie Virginia Vallee

Assistant Professor of Integrated Reconstructive Dental Sciences

BS, University of the Pacific, Biological Sciences, 2001

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

Bureau of Medicine and Surgery, US Navy, AEGD certification, 2005

Other, Academy of Academic Leadership, Center for Advancing Learning and Teaching, 2008

Other, National Institutes of Health, Protecting Human Research Participants, 2008

Other, Disney Leadership Institute, Leadership Excellence, 2012

Other, University of the Pacific Arthur A. Dugoni School of Dentistry, Course Director Orientation, 2012

Michael Viale

Assistant Professor of Integrated Reconstructive Dental Sciences

BS, UC Berkeley, Genetics, 1975

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

Terry L. Vincent

Assistant Professor of Integrated Reconstructive Dental Sciences

BS, Arizona State University, Zoology, 1967

DDS, UCLA, Dentistry, 1971

Dennis J. Weir

Associate Professor of Integrated Reconstructive Dental Sciences

University of Detroit, Detroit, MI, Biology, 1963

DDS, University of Detroit School of Dentistry, Detroit, MI, Dentistry, 1967

William Beaumont Medical Center, El Paso, TX, Certificate Internship, 1968

Wadsworth Medical Center, Los Angeles, CA, Certificate Prosthodontics, 1975

MA, San Francisco State University, San Francisco, CA, Education, 1980

Erich Werner

Assistant Professor of Integrated Reconstructive Dental Sciences

BS, San Jose State University, Biology, 1984

DDS, U.O.P School of Dentistry, DDS, 1988

Richard H. White

Associate Professor of Integrated Reconstructive Dental Sciences

BA, Albion College, Biology, 1971

DDS, University of Michigan School of Dentistry, Dentistry, 1975

US Public Health Service, General Practice Dental Residency, 1976

University of Washington, Summer Institute in Clinical Dental Research Metho, 2010

CalTeach I and CalTeach II, 2013

George J. Wolff

Instructor of Integrated Reconstructive Dental Sciences

University of California(Berkeley), 1961

DDS, University of Washington, 1966

Debra A. Woo

Assistant Professor of Integrated Reconstructive Dental Sciences

AA, De Anza Community College, A.A., 1977

BS, University of California, Davis, Human Biology, 1979

MA, San Jose State University, Health Sciences, 1983

DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, Dentistry, 1986

Nathan Yang

Instructor of Integrated Reconstructive Dental Sciences

BS, University of California at Davis, Psychology and Biochemistry, 1998

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

Ming-Guang Yeh

Associate Professor of Integrated Reconstructive Dental Sciences

National Yang-Ming University

DDS, National Yang-Ming University Dental School, Dentistry, 1982

University of California, San Francisco, Prosthodontics, 1994

PhD, University of California, San Francisco, Oral Biology, 2002

Adjunct Faculty

Curtis Barmby

Adjunct Instructor of Integrated Reconstructive Dental Sciences

American River College, AA Pre-Dental, 1967

DDS, UCSF School of Dentistry, Dentistry, 1971

Wadsworth VA Medical Center, Certificate in Fixed Prosthodontics, 1981

American Board of Prosthodontics, Diplomate, 1987

Andy Duong

Adjunct Instructor of Integrated Reconstructive Dental Sciences

BS, UC Davis, Exercise Science, 2002

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

Other, University of the Pacific Dental - Stockton, AEGD, 2007

Michael Falkel

Adjunct Instructor of Integrated Reconstructive Dental Sciences

BS, State University of New York Albany, Chemistry/Biology, 1984

DDS, University of the Pacific, Dentistry, 1987

Richard John Garcia

Adjunct Assistant Professor of Integrated Reconstructive Dental Sciences

BS, University of San Francisco, 1971

DDS, University of California, Los Angeles, 1975

Veterans Administration Hospital, San Francisco, 1976

Kathy Mueller

Adjunct Assistant Professor of Integrated Reconstructive Dental Sciences

BS, University of KY, 1974

MS, Pursue University, 1976

DMD, University of KY, 1980

VA UCSF, Prosthodontic Certificate, 1983

Jung Nam

Adjunct Assistant Professor of Integrated Reconstructive Dental Sciences

BS, Lewis Clark College, Chemistry, 1996

MS, Oregon Health Science University, Biochemistry, 1997

DDS, University of Pennsylvania, DMD, 2001

MSD, University of Washington, MSD Certificate Prosthodontics, 2006

Molly P. Newlon

Adjunct Associate Professor of Integrated Reconstructive Dental Sciences

UCSB, General Education, 1973

BA, UCLA, Fine Arts/Dance, 1975

MA, UCLA, Dance Therapy, 1977

DDS, University of the Pacific, Dentistry, 1982

GPR Cert., Veterans Administration Hospital, general practice residency, 1983

Enaya Shararah

Adjunct Professor of Integrated Reconstructive Dental Sciences

BDS, Alexandria University, Dentistry, 1978

MDS, Alexandria University, Prosthodontics, 1985

PhD, Alexandria University University of Pittsburgh, Oral Biology Prosthodontics, 1989

Course Descriptions

RDS 125. Integrated Preclinical Professional Competencies I. 2 Units.

As a component of the Integrated Preclinical Reconstructive Dentistry curriculum, this course includes the continual formative evaluation of students' professionalism as well as assessments aimed to measure their critical evaluation and thought processes. Students are evaluated on a multitude of professional traits for the duration of the course including professional behavior, preparedness and organization, communication, self-assessment, critical thinking, time-management, teamwork and rapport, response to feedback, and engagement in learning. Students' strengths and weaknesses are evaluated frequently and reported to them in the form of a rubric by faculty who work closely with them in the laboratory environment. Students are expected to grow and show improvement in areas in which they are weak. Their critical thinking ability and growth is measured using assessments in both the laboratory and didactic sessions that allow students to showcase these integrated skills and thought processes such as OSCE's, oral examinations, portfolios and multidisciplinary capstone experiences. (Quarters 1-2).

RDS 126. Integrated Preclinical Professional Competencies II. 4 Units.

As a component of the Integrated Preclinical Reconstructive Dentistry curriculum, this course includes the continual formative evaluation of students' professionalism as well as assessments aimed to measure their critical evaluation and thought processes. Students are evaluated on a multitude of professional traits for the duration of the course including professional behavior, preparedness and organization, communication, self-assessment, critical thinking, time-management, teamwork and rapport, response to feedback, and engagement in learning. Students' strengths and weaknesses are evaluated frequently and reported to them in the form of a rubric by faculty who work closely with them in the laboratory environment. Students are expected to grow and show improvement in areas in which they are weak. Their critical thinking ability and growth is measured using assessments in both the laboratory and didactic sessions that allow students to showcase these integrated skills and thought processes such as OSCE's, oral examinations, portfolios and multidisciplinary capstone experiences. (Quarters 3-4.)

RDS 130. Integrated Preclinical Concepts I. 4 Units.

As a component of the Integrated Preclinical Reconstructive Dentistry curriculum, this course will provide students with the factual knowledge needed to build a strong foundation for critical assessment, evidence-based practice and lifelong learning in the dental profession. Formative and summative assessment will be used to frequently appraise students' grasp of dental anatomy, dental materials science, occlusion, cariology, operative dentistry, fixed and removable prosthodontics, radiology, local anesthesia, implant dentistry, diagnosis and treatment planning. The assessments used will measure the students' ability not only to master concepts within a discipline, but to integrate concepts across disciplines. This didactic component enables the students to treat a family of patients with a strong foundation of dental fundamentals. (Quarter 1.)

RDS 131. Integrated Preclinical Concepts II. 4 Units.

As a component of the Integrated Preclinical Reconstructive Dentistry curriculum, this course will provide students with the factual knowledge needed to build a strong foundation for critical assessment, evidence-based practice and lifelong learning in the dental profession. Formative and summative assessment will be used to frequently appraise students' grasp of dental anatomy, dental materials science, occlusion, cariology, operative dentistry, fixed and removable prosthodontics, radiology, local anesthesia, implant dentistry, diagnosis and treatment planning. The assessments used will measure the students' ability not only to master concepts within a discipline, but to integrate concepts across disciplines. This didactic component enables the students to treat a family of patients with a strong foundation of dental fundamentals. (Quarter 2.)

RDS 132. Integrated Preclinical Concepts III. 4 Units.

As a component of the Integrated Preclinical Reconstructive Dentistry curriculum, this course will provide students with the factual knowledge needed to build a strong foundation for critical assessment, evidence-based practice and lifelong learning in the dental profession. Formative and summative assessment will be used to frequently appraise students' grasp of dental anatomy, dental materials science, occlusion, cariology, operative dentistry, fixed and removable prosthodontics, radiology, local anesthesia, implant dentistry, diagnosis and treatment planning. The assessments used will measure the students' ability not only to master concepts within a discipline, but to integrate concepts across disciplines. This didactic component enables the students to treat a family of patients with a strong foundation of dental fundamentals. (Quarter 3.)

RDS 133. Integrated Preclinical Concepts IV. 1 Unit.

As a component of the Integrated Preclinical Reconstructive Dentistry curriculum, this course will provide students with the factual knowledge needed to build a strong foundation for critical assessment, evidence-based practice and lifelong learning in the dental profession. Formative and summative assessment will be used to frequently appraise students' grasp of dental anatomy, dental materials science, occlusion, cariology, operative dentistry, fixed and removable prosthodontics, radiology, local anesthesia, implant dentistry, diagnosis and treatment planning. The assessments used will measure the students' ability not only to master concepts within a discipline, but to integrate concepts across disciplines. This didactic component enables the students to treat a family of patients with a strong foundation of dental fundamentals. (Quarter 4.)

RDS 135. Integrated Preclinical Technique I. 9 Units.

As a component of the Integrated Preclinical Reconstructive Dentistry curriculum, students will be evaluated on their mastery of laboratory skills and simulation of reconstructive dentistry procedures as they relate to the patient cases presented in the course. All aspects of reconstructive dentistry are represented including dental anatomy projects using additive and subtractive techniques, operative dentistry preparations and restorations for composite and amalgam materials, modern and gold-standard fixed prosthodontic preparations and restorations and dental laboratory techniques. Other disciplines introduced and directly represented with laboratory projects are occlusion, implant dentistry and removable prosthodontics. These disciplines will be further emphasized in Y2 of the course. (Quarters 1-2.)

RDS 136. Integrated Preclinical Technique II. 9 Units.

As a component of the Integrated Preclinical Reconstructive Dentistry curriculum, students will be evaluated on their mastery of laboratory skills and simulation of reconstructive dentistry procedures as they relate to the patient cases presented in the course. All aspects of reconstructive dentistry are represented including dental anatomy projects using additive and subtractive techniques, operative dentistry preparations and restorations for composite and amalgam materials, modern and gold-standard fixed prosthodontic preparations and restorations and dental laboratory techniques. Other disciplines introduced and directly represented with laboratory projects are occlusion, implant dentistry and removable prosthodontics. These disciplines will be further emphasized in Y2 of the course. (Quarters 3-4.)

RDS 137. Local Anesthesia. 2 Units.

This hands-on course will teach the pharmacological basis and basic injection techniques of dental local anesthesia. Topics include an overview of local and systemic complications, the pharmacology of local anesthetics, and presentation of an algorithm of how to overcome difficulties in mandibular blocks. This rotation should help students develop confidence and ease the anxiety of providing injections on patients. (Quarter 4.)

RDS 138. Advanced Restorative Technique. 2 Units.

This hands-on course, referred to as "A.R.T" block, utilizes extracted human teeth to simulate a multitude of clinical procedures. Students will perform advanced techniques focused on adhesive dentistry and digital dentistry. (Quarter 4.)

RDS 139. Clinical Transitions. 1 Unit.

A hands-on course focused on caries detection evaluation and removal techniques in extracted human teeth. Students will also participate in seminars that highlight Dugoni's clinical process and procedures relating to reconstructive dentistry. (Quarter 4.)

RDS 173. Principles of Restorative Dentistry Lecture. 6 Units.

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 (Quarter 1.).

RDS 174. Complex Issues in Restorative Dentistry Lecture. 4 Units.

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. (Quarter 2.).

RDS 175. Principles of Restorative Dentistry Lab. 6 Units.

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. (Quarter 1.).

RDS 179. Complex Issues in Restorative Dentistry Lab. 6 Units.

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. (Quarter 2.).

RDS 183. Advanced Techniques in Restorative Dentistry Lecture. 5 Units.

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. (Quarter 3.).

RDS 184. Clinical Applications in Restorative Dentistry Lecture. 3 Units.

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. (Quarter 4.).

RDS 185. Advanced Techniques in Restorative Dentistry Lab. 4 Units.

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. (Quarter 3.).

RDS 189. Clinical Applications in Restorative Dentistry Lab. 5 Units.

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. (Quarter 4.).

RDS 277. Local Anesthesia. 1 Unit.

Students review basic anesthesia delivery techniques and apply them to a clinical situation. Students will learn new injection technique and how to overcome difficulties in mandibular anesthesia. In the self-study component, students will conduct independent research and summarize their findings in writing. (2 hours lecture, 6 hours clinical rotation, 10 hours self-study. Quarters 5-7.).

RDS 279. Clinical Restorative Dentistry I. 3 or 6 Units.

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. (Quarters 5-8.).

RDS 280. Occlusion. 5 Units.

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; the identification, diagnosis and treatment plan design of the complex restorative case 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. Quarters 5-6.).

RDS 281. Dental Implants. 1 Unit.

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. Quarter 8.).

RDS 290. Preclinical Removable Prosthodontics: Complete Dentures Lecture. 3 Units.

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; Hanau's quint; 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; fabricating 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 conventional, transitional, and diagnostic immediate dentures; tooth selection and repairing complete dentures; introduction to implant dentures; use of the articulator, dental materials, and technique for construction of over immediate complete dentures; and the posterior palatal seal and its biologic considerations. (40 hours lecture. Quarters 5-6.).

RDS 291. Preclinical Removable Prosthodontics: Removable Partial Dentures Lecture. 2 Units.

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. Quarter 7.).

RDS 296. Preclinical Removable Prosthodontics: Complete Dentures Lab. 5 Units.

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; Hanau's quint; 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; fabricating 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 conventional, transitional, and diagnostic immediate dentures; tooth selection and repairing complete dentures; introduction to implant dentures; use of the articulator, dental materials, and technique for construction of over immediate complete dentures; and the posterior palatal seal and its biologic considerations. (120 hours laboratory. Quarters 5-6.).

RDS 297. Preclinical Removable Prosthodontics: Removable Partial Dentures Lab. 2 Units.

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. (30 hours laboratory. Quarter 7.).

RDS 378. Clinical Restorative Dentistry II. 11 Units.

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. (Quarters 9-10.).

RDS 379. Clinical Restorative Dentistry III. 12 Units.

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. (Quarters 11-12.).

RDS 396. Clinical Removable Prosthodontics. 12 Units.

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. (Quarters 9-12.).

Oral and Maxillofacial Surgery (OS)

Department Chairperson

A. Thomas Indresano

Professor of Oral and Maxillofacial Surgery

Faculty

Michael Akintola Ajayi

Associate Professor of Oral and Maxillofacial Surgery

BDS, University of Lagos College of Medicine and Dentistry, 1975

BSc, University of Toronto, Toronto, Canada, 1981

University of Toronto, Oral and Maxillofacial Surgery, Resident, 1981

Henry Ford Hospital, Oral Maxillofacial Surgery, Detroit, Michigan, Chief Resident, 1983

Jacob Scott Barber

Instructor of Oral and Maxillofacial Surgery

USC/LA County Hospital, Los Angeles, CA, Dentistry, 2008

University of Oklahoma, Dentistry, 2009

University of Tennessee, Knoxville, TN, Dentistry, 2009

DDS, UOP Arthur A. Dugoni School of Dentistry, Dentistry, 2010

Edmond Bedrossian

Associate Professor of Oral and Maxillofacial Surgery

BS, University of San Francisco, Biology, 1981

DDS, University of the Pacific, 1986

DDS, Highland General Hospital, Certificate of Completion, 1990

John A. Boghossian

Associate Professor of Oral and Maxillofacial Surgery

AA, City College of San Francisco, Biology, 1983

BA, San Francisco State University, Biology, 1984

DDS, University of California San Francisco, Dentistry, 1988

Other, Memorial Sloan-Kettering Cancer Center, New York, NY, Dental Oncology Fellowship Certificate, 1990

Harbor-UCLA Medical Center, Torrance, CA, Oral Surgery, 1995

Curtis W. Cardon

Instructor of Oral and Maxillofacial Surgery

Lansing Community College, Nursing Assistant Certificate, 2004

BS, Michigan State University, Human Biology, 2005

DDS, University of Michigan, Dentistry, 2009

Olga P Dudinskaya

Instructor of Oral and Maxillofacial Surgery

BS, Arizona State University, Microbiology, 2006

University of the Pacific, School of Dentistry, SF, Invisalign Certificate, 2008

DDS, University of the Pacific School of Dentistry, Dentistry, 2009

Jesse M. Fa

Instructor of Oral and Maxillofacial Surgery

BS, University of the Notre Dame, IN, Science, 2003

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

PGY1 General Practice Residency VA/UCI Medical Center, Long Beach, Certificate, 2007

PGY2 General Practice Residency VA/UCLA Medical Center, LA, Certificate, 2008

University of Illinois at Chicago, Oral Surgery Internship, Certificate, 2010

Vincent Wayne Farhood

Associate Professor of Oral and Maxillofacial Surgery

DDS, University of Southern California, Dentistry, 1970

Certificat, Wilford Hall USAF Medical Center, Oral Maxillofacial Surgery, 1978

James Anthony Garibaldi

Associate Professor of Oral and Maxillofacial Surgery

BS, St. Mary's College of California, Biology/Chemistry, 1976

DDS, University of the Pacific School of Dentistry, Dentistry, 1979

Highland General Hospital, General Practice Residency, 1980

Highland General Hospital, Oral and Maxillofaical Surgery, 1985

MA, University of the Pacific, Gladys L. Benerd School of Education, Educational and Counseling Psychology, 1994

A. Thomas Indresano

Professor of Oral and Maxillofacial Surgery

AB, Boston University, Biology, 1967

DMD, Harvard University School of Dental Medicine, Dentistry, 1971

Vanderbilt University, Oral and Maxillofacial Surgery, 1974

Blair Alexander Isom

Instructor of Oral and Maxillofacial Surgery

DDS, UOP School of Dentistry, San Francisco, Dentistry, 2009

Bahram Javid

Associate Professor of Oral and Maxillofacial Surgery

Hilsea College, England, 1951

Oxford University, UK, School Certificate, 1951

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

King's College Dental School, 1957

Newcastle-on-Tyne Infirmary, England, Junior House Officer, 1957

Dental Department, The Genessee Hospital, Rochester, New York USA, 1958

Eastman Dental Center, University of Rochester, Rochester, New York USA, Clinical Fellow, 1958

DMD, School of Dental Medicine, Tufts University, 1960

Hospital of the University of Pennsylvania, Graduate School of Medicine, Pennsylvania, PA USA, Oral Surgery Residency Program, 1966

Doug Edward Kendrick

Instructor of Oral and Maxillofacial Surgery

None, Des Moines Area Community College, General Education Classes, 2003

None, Iowa State University, Aerospace Engineering, 2004

None, University of Iowa, Biomedical Engineering, 2006

DDS, University of Iowa, Dentistry, 2010

Sam F Khoury

Instructor of Oral and Maxillofacial Surgery

BS, Santa Clara University, Biology, 1999

DMD, University of Pittsburgh, Dental Medicine, 2005

Luis Ramon G. Limchayseng

Assistant Professor of Oral and Maxillofacial Surgery

BS, University of the East (Philippines), 1979

DMD, University of the Philippines College of Dentistry, 1983

Joseph Clarence McMurray

Assistant Professor of Oral and Maxillofacial Surgery

BS, Pt. Loma College, Biology, 1985

DMD, Washington University St. Louis, 1990

University of Southern California, Oral Maxillofacial Surgery, 1994

MBA, Pepperdine University, Business Economics and Management, 2007

Anders Nattestad

Professor of Oral and Maxillofacial Surgery

DDS, University of Copenhagen, Dentistry, 1986

Masters, Kobenhavns Unversitet, Health Sciences, 1986

PhD, Dental School, University of Copenhagen, Dentistry, 1991

PhD, Royal Dental College, Dentistry, 1992

American Dental Association (ADEA), ADEA Leadership Institution, 2007

Chan M. Park

Assistant Professor of Oral and Maxillofacial Surgery

BS, University of California, San Diego, La Jolla, CA, General Biology, 2000

DDS, University of California School of Dentistry, Los Angeles, CA, Doctor of Dental Surgery, 2005

MD, Loma Linda University School of Medicine, Doctor of Medicine, 2008

Loma Linda University Medical Center, General Surgery Internship - Certificate, 2009

Loma Linda University, OMFS Residency Certificate, 2011

Erica Lynn Shook

Instructor of Oral and Maxillofacial Surgery

BS, University of Michigan, Biology, 2004

University of Michigan, University Hospital Dentistry Clinic, Oral and Maxillofacial Surgery, 2007

Ohio State University, Oral and Maxillofacial Surgery, 2008

University of Tennessee, Memphis, Oral and Maxillofacial Surgery, 2008

DDS, University of Michigan, Dentistry, 2009

Hennepin County Medical Center, General Practice Residency, 2010

Len Tolstunov

Assistant Professor of Oral and Maxillofacial Surgery

DDS, Moscow Dental Institute, 1985

Moscow Trauma Hospital, Resident in the department of oral and maxillofaci, 1989

DDS, University of the Pacific, Graduated with honors (TAU KAPPA OMEGA), 1992

University of California, San Francisco, Oral and Maxillofacial Surgery residency, 1997

Adjunct Faculty

Aaron Urban Adamson

Adjunct Instructor of Oral and Maxillofacial Surgery

Prophetstown High School, Diploma, 1999

BS, Brigham Young University, Exercise Science, 2006

Temple University, Oral and Maxillofacial Surgery Residency Program, 2009

DMD, Southern Illinois University School of Dental Medicine, Dentistry, 2010

Michael Lawrence Beckley

Adjunct Assistant Professor of Oral and Maxillofacial Surgery

BS, Texas Christian University, Biology, 1992

DDS, Baylor College of Dentistry Texas A and M University, 1997

University of the Pacific School of Dentistry, Oral and Maxillofacial Surgery, 2002

Craig Yale Bloom

Adjunct Associate Professor of Oral and Maxillofacial Surgery

BA, Boston University, Biology, 1967

DMD, University of Pennsylvania Dental School, Dentistry, 1971

University of Pennsylvania, Anesthesiology, 1973

University of Pennsylvania, OMF Surgery, 1976

Charles R. Breckenridge

Adjunct Associate Professor of Oral and Maxillofacial Surgery

BA, Pacific Union College-Angwin CA, 1961

DDS, Loma Linda University, 1965

Alfredo A. Dela Rosa, Jr.

Adjunct Instructor of Oral and Maxillofacial Surgery

Saint Ignatius College Preparatory, San Francisco, 1999

University of California, Davis: College of Biological Sciences, Biological Sciences, 2002

BS, University of California, San Francisco, Dental Sciences, 2004

DDS, University of California, San Francisco, Doctor of Dental Surgery, 2006

MD, Harvard Medical School, Boston MA, Doctor of Medicine, 2009

Massachusetts General Hospital, General Surgery, 2010

Massachusetts General Hospital, Oral Maxillofacial Surgery, 2012

Donald Hayes Devlin

Adjunct Professor of Oral and Maxillofacial Surgery

University of California Berkeley, 1945

DDS, University of California San Francisco, 1949

Michael Dumas

Adjunct Associate Professor of Oral and Maxillofacial Surgery

DMD, Tufts University, 1956

PhD, University of California, 1964

Paul C. George

Adjunct Assistant Professor of Oral and Maxillofacial Surgery

University of California, Santa Cruz, General - Biology, 1983

BA, University of California, Berkeley, Cell Biology, 1985

BSc, University of California, San Francisco, Dental Science, 1989

DDS, University of California, San Francisco, Dentistry, 1989

University of California, San Francisco, Certificate in Oral Maxillofacial Surgery, 1993

Paul Beaumont Greenawalt

Adjunct of Oral and Maxillofacial Surgery

BA, Gustavus Adolphus College, Biology, General Science, 1980

DDS, University of Minnesota, General Dentistry, 1985

certificat, Naval Hospital Great Lakes, IL, Oral Maxillafacial Surgery, 1995

Jack Theodore Jennings

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Lee College, Baytown, TX

BS, Loma Linda University, Medical Lab Technology, 1951

DDS, Loma Linda University, General Practice, 1958

Highland General Hospital, Oakland, Oral Surgery, 1975

University of California, San Francisco, Fellowship in Oral Surgery, 1984

Joseph S Kim

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BA, Oxford College at Emery University, Chemistry, 1985

DMD, Tufts University School of Dental Medicine, 1991

Montefiore Medical Center, Specialty Certificate, 1997

Michael Rudolph Knoll

Adjunct Instructor of Oral and Maxillofacial Surgery

BS, University of California Riverside, Biology, 1993
MS, Loma Linda University School of Dentistry, Doctorate Dental Surgery, 2001
University of Alabama Birmingham, OMS Certificate Internship, 2002
University of Alabama Birmingham, Medical Doctorate, 2004
Certificat, University of Alabama Birmingham, Internship General Surgery, 2005
Certificat, University of Alabama Birmingham, Oral Maxillofacial Surgery, 2007

Gregory Scott Lee

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BA, UOP Stockton, Stockton California, 1984
DDS, UOP School of Dentistry, 1987
Certificat, UOP Highland General Hospital, 1997

Wendy Peiwen Liao

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BA, University of California, Berkeley, Molecular Cell Biology Emphasis in Neurobiology, 1999
BA, University of California, Berkeley, Music, 1999
DDS, University of California, Los Angeles, Degree Expected, 2004

Allan M. Malkasian

Adjunct Assistant Professor of Oral and Maxillofacial Surgery

Fresno State University, 1960
DDS, University of Illinois College of Dentistry, Doctor of Dental Surgery, 1964

Erica Cristina Marchiori

Adjunct Instructor of Oral and Maxillofacial Surgery

Course, Sindicato dos Odontologistas no Estado de Pernambuco, SOEPE, Brazil, VI curso de anatomia da cabeça e do pescoco, 2001
Course, Sociedade dos Cirurgioes Dentistas de Pernambuco, SCDP-ABO/PE*, Curso Teorico de Estetica, 2001
Course, Sociedade dos Cirurgioes Dentistas de Pernambuco, SCDP-ABO/PE*, Lesoes de Esforco Repetitivo Prevencao Tratament, 2001
Course, VI Encontro de Interacao Academica de Saude, VI EIAS, Brazil, Anatomia Funcional e Biomecanica da ATM, 2001
Course, VIII Congresso de Odontologia do RN, ABO-RN, Brazil, Aplicacoes de laser de alta intensidade, 2001
Course, Hospital da Restauracao, HR, Brazil, V Curso de Cirurgia e Traumat buco-maxilofacial, 2002
Course, Sindicato dos Odontologistas no Estado de Pernambuco, SOEPE, Brazil, VII Curso de Anatomia da Cabeça e do Pescoco, 2002
Course, Universidade de Pernambuco, UPE, Recife, Brazil, Atualizacao Clinica Em Cirurgia Oral Menor, 2002
Course, Sindicato dos Odontologistas no Estado de Pernambuco, SOEPE, Brazil, VIII Curso de Anatomia da Cabeça e do Pescoco, 2003
Course, Sociedade dos Cirurgioes Dentistas de Pernambuco, SCDP-ABO/PE, Brazil, Cirurgia ortognatica, 2004
BS, Universidade de Pernambuco, UPE, Recife, Brazil, Odontologia, 2005
Course, Sociedade dos Cirurgioes Dentistas de Pernambuco, SCDP-ABO/PE, Brazil, Cirurgia Periodontal, 2005
Course, Sociedade dos Cirurgioes Dentistas de Pernambuco, SCDP-ABO/PE, Brazil, Protese sobre implante, 2005
Course, Universidade Federal de Pernambuco, UFPE, Recife, Brazil, Atualizacao em cirurgia oral menor VII, 2005
Course, Centro de Ensino Odontologico do Hospital Espanhol, GEOHE, Brazil, Atualizacao em Cirurgia e Anestesiologia, 2007
Course, Universidade Federal da Bahia, UFBA, Salvador, Brazil, Curso de Cirurgia e Anestesiologia, 2007
Course, Universidade Federal da Bahia, UFBA, Salvador, Brazil, Distracao Osteogenica no Complexo Maxilomandibular, 2007
Course, Universidade Estadual de Campinas, UNICAMP, Campinas, Brazil, Reconstrucao Cirurgica de Maxilares Atroficados, 2008
Conselho Federal de Odontologia, CFO, Brazil, Cirurgia e Traumatologia Buco-maxilo-faciais, 2010
DDS, Universidade Estadual de Campinas, UNICAMP, Campinas, Brazil, Doctorate in Clinica Odontologica, 2010
Hospital Geral Roberto Santos, HGRS, Brazil, Bucomaxilofacial Surgery, 2010
Masters, Universidade Estadual de Campinas, UNICAMP, Campinas, Brazil, Clinica Odontologica - Area de CTMBF, 2010
Course, XXI Congresso Brasileiro de Cirurgia Buco-maxilo-facial, XXI COBRAC, Brazil, Prevencao de errors em cirurgia bimaxilar, 2011

Nima Massoomi

Adjunct Instructor of Oral and Maxillofacial Surgery

BS, St. Lawrence University, Cum Laude, Canton, New York, Bio/Chemistry, 1994
DMD, University of Pennsylvania School of Dental Medicine, Dental Medicine, 2001
Med, University of Pennsylvania Graduate School of Education, Masters of Education, 2001
Internship, Vanderbilt University Medical Center, Nashville, TN, General Surgery, 2005
MD, Vanderbilt University School of Medicine, Nashville, TN, Medicine, 2007
Residency, Vanderbilt University, Nashville, TN, Oral Maxillofacial Surgery, 2007
Fellowship, T. Williams Evans Fellowship Columbus, Ohio, Facial Cosmetics Surgery, 2008

David L McAninch

Adjunct Instructor of Oral and Maxillofacial Surgery

BS, California Polytechnic State University: San Luis Obispo, CA, Business Administration Management, 2008
DDS, University of Southern California, Dentistry, 2012

Craig D McDow

Adjunct Assistant Professor of Oral and Maxillofacial Surgery

BS, Oregon State University, Zoology, 1977
Portland State University, Adaptive Physiology, 1978
DMD, Oregon Health Sciences University, Dentistry, 1982

GPR, USAF Keesler AFB, General Dentistry, 1983
MS, University of Michigan Hospitals, Oral Maxillofacial Surgery, 1989

Yuko Christine Nakamura

Adjunct Assistant Professor of Oral and Maxillofacial Surgery

BS, Duke University Trinity College, Durham, NC, Major: Cell Molecular Biology, Minor: Chemistry, 1999
DMD, Case Western Reserve University School of Dental Medicine, Cleveland, OH, Doctor of Medical Dentistry, 2004
MD, Columbia University College of Physicians Surgeons, NY, Doctor of Medicine, 2007
Columbia University Medical Center, New York, NY, General Surgery Internship, 2008
Columbia University Medical Center, New York, NY, Oral Maxillofacial Surgery Certificate, 2010

Ned Leonard Nix

Adjunct Associate Professor of Oral and Maxillofacial Surgery

BS, University of California, Davis, Economics, 1986
San Jose State University, 1992
Other, General Hospital, Oakland CA, Oral and Maxillofacial Surgery, 1994
DDS, University of the Pacific, 1995
Other, Metro Health Medical Center, Oral and Maxillofacial Surgery, 1995
Other, St. Luke's Roosevelt Hospital Center, Certificate, OMFS, 2000
St. Luke's Roosevelt Hospital Center, Certificate, Oral and Maxillofacial Surgery, 2000

David B. Poor

Adjunct Associate Professor of Oral and Maxillofacial Surgery

BA, Windham College, English/Economics, 1974
University of Massachusetts, Graduate Non-Degree Program, Zoology, 1979
DMD, Tufts University, 1982
United States Air Force, Keesler AFB, Mississippi, 1983

Roger W. Sachs

Adjunct Assistant Professor of Oral and Maxillofacial Surgery

BS, Parsons College, Biology, 1964
MS, Northeastern University, Physiology, 1966
DMD, Temple University, Dentistry, 1970
Beth Israel Hospital, OMFS, 1971
Lincoln Hospital, Albert Einstein College of Medicine, Oral Maxillofacial Surgery, 1974

Lawrence Alan Saunders

Adjunct Instructor of Oral and Maxillofacial Surgery

AB, Temple University, Biology, 1961
DMD, Temple University, Dentistry, 1965
Med, University of Penn. Graduate School of Medicine, OMS-didactic training, 1967
MS, University of the Pacific, Research Hematology, 1970

Alireza Michael Sodeifi

Adjunct Assistant Professor of Oral and Maxillofacial Surgery

DMD, Harvard School of Dental Medicine, Dentistry, 1997
Vanderbilt University Medical Center, Intern, Oral Surgery, 1998
Vanderbilt University Medical Center, Resident, General Surgery, 2001
Vanderbilt University Medical Center, Resident, Oral Surgery, 2002
Vanderbilt University Medical Center, Chief Resident, Oral Surgery, 2003
MD, Vanderbilt University School of Medicine, Dentistry, 2007

Stephen Takashi Gong Wat

Adjunct Instructor of Oral and Maxillofacial Surgery

BS, University of California, Los Angeles, California, Microbiology, Immunology, and Molecular Genetics, 2003
Highland General Hospital, Oakland, California, Attended grand rounds, 2004
University of Washington, Harborview Hospital - observer, Observer, 2004
LSU Health Sciences Center, Charity Hospital, 2005
University Medical Center, Fresno, California, 2005
DDS, University of Pacific, Arthur A. Dugoni School of Dentistry, San Francisco, California, 2006

Bruce L. Whitcher

Adjunct Associate Professor of Oral and Maxillofacial Surgery

AB, Stanford University, Stanford, CA, English Literature, 1977
DDS, UCSF School of Dentistry, San Francisco, CA, Dentistry, 1981
UCSF School of Dentistry, San Francisco, CA, General Practice Resident, 1982
Harbor UCLA Medical Center, Los Angeles, CA, Oral Maxillofacial Surgery, 1985
Glan Clwyd Hospital, Rhyl, North Wales, United Kingdom, Senior House Officer, 1986

Course Descriptions

OS 139. Preclinical Multidisciplinary Surgery. 1 Unit.

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. (7.5 hours lecture, 4 hours laboratory. Quarter 4.).

OS 239. Clinical Oral and Maxillofacial Surgery I. 1 Unit.

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. (Quarters 5-8.).

OS 339. Clinical Oral and Maxillofacial Surgery II. 2 Units.

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. (Quarters 9-12.).

Orthodontics (OR)

Department Chairperson

Robert L. Boyd

Professor of Orthodontics

Program Director

HeeSoo Oh

Associate Professor of Orthodontics

Clinical Director

Maureen Ann Valley

Associate Professor of Orthodontics

Director of the Pre-doctoral Program

Mohamed S. Fallah

Associate Professor of Orthodontics

Director of the Craniofacial Research Instrumentation Laboratory (CRIL)

Sheldon Baumrind

Professor of Orthodontics

Associate Director of the Craniofacial Research Instrumentation Laboratory (CRIL)

HeeSoo Oh

Associate Professor of Orthodontics

Director of the Cleft Lip and Palate Prevention Program

Marie Milena Tolarova

Professor of Orthodontics

Faculty

Sheldon Baumrind

Professor of Orthodontics

BS, New York University, Chemistry, 1943

DDS, New York University, College of Dentistry, Dentistry, 1947

U. Oregon Dental School, Certificate in Orthodontics, 1966

MS, Oregon Health Sciences University, Cell Biology, 1968

Roger P. Boero

Associate Professor of Orthodontics

Pomona College, 1960

DDS, College of Physicians Surgeony (UOP), Dentistry, 1964

University of the Pacific, Orthodontics, 1975

MSD, University of the Pacific, Orthodontics, 1995

Robert L. Boyd

Professor of Orthodontics

Indiana University, Biology, 1966

DDS, Temple University, Dentistry, 1970

University of Pennsylvania, Periodontics, 1972

University of Pennsylvania, Orthodontics, 1974

Med, University of Florida, Dental Education, 1981

Sean K. Carlson

Associate Professor of Orthodontics

BA, University of California, Santa Barbara, Biology, 1989

DMD, Harvard School of Dental Medicine, Dentistry, 1994

MS, University of California, San Francisco, Oral Biology, 1998

University of California, San Francisco, Orthodontics Certificate, 1998

Mohamed S. Fallah

Associate Professor of Orthodontics

BSD, University of London, UK, Dental Surgery, 1969

University of Pittsburgh, Certificate - Clinical Internship, 1974

MSD, University of Pittsburgh, Dental Science, 1976

University of Pittsburgh, Certificate - Orthodontics, 1976

Katherine Kieu

Instructor of Orthodontics

BS, University of California, Los Angeles, Biology, 2005
DDS, University of California, San Francisco, Dentistry, 2009
MSD, University of the Pacific, Orthodontics, 2012

Kimberly A Mahood

Assistant Professor of Orthodontics

BS, University of Louisville, Biology, 2000
DMD, University of Kentucky College of Dentistry, Dentistry, 2004
University of Kentucky College of Dentistry, Oral and Maxillofacial Surgery, 2005
University of the Pacific Arthur A. Dugoni School of Dentistry, Advanced General Dentistry, 2007
MSD, University of the Pacific Arthur A. Dugoni School of Dentistry, Orthodontics, 2010

HeeSoo Oh

Associate Professor of Orthodontics

DDS, Chonnam National University School of Dentistry, Korea, Dentistry, 1989
Chonnam National University Hospital, Korea, Pediatric Dentistry, 1992
MS, Chonnam National University, School of Dentistry, Korea, Pediatric Dentistry, 1992
PhD, Chonnam National University, School of Dentistry, Korea, Growth Development, 1999
University of the Pacific, School of Dentistry, Graduate Residency Program - AEGD, 2001
MSD, University of the Pacific, Arthur A. Dugoni, School of Dentistry, Orthodontics, 2005

Joorok Park

Assistant Professor of Orthodontics

BA, University of California, Berkeley, Molecular and Cell Biology, 2001
DMD, University of Pennsylvania, School of Dental Medicine, Dental Medicine, 2006
MSD, University of the Pacific, Arthur A. Dugoni School of Dentistry, Certificate, Orthodontics, 2008

Richard R. Rutter

Professor of Orthodontics

AB, Stanford University, Biological Sciences, 1954
DDS, University of the Pacific, 1958
MSD, Columbia University, Orthodontics, 1961

Miroslav Tolar

Associate Professor of Orthodontics

MD, Charles University School of Medicine, 1965
PhD, Czechoslovak Academy of Sciences Charles University School of Medicine, Postgraduate Program in Physiology, 1970
University of California in San Francisco, Postgraduate course in biostatistics biomodeling, 1993

Marie Milena Tolarova

Professor of Orthodontics

Gymnasium, Tabor, Czechoslovakia, College education, 1959
MD, Charles University School of Medicine, Medicine, 1965
PhD, Czechoslovak Academy of Sciences Charles University School of Medicine, Prague, Czechoslovakia, Human Genetics, 1979
Board Cert, Postgraduate Medical Institute, Prague, Czechoslovakia, Medical Genetics, Board Certificate, 1985
Board Cert, Postgraduate Medical Institute, Prague, Czechoslovakia, Pediatrics, Board Certificate, 1985
DSc, Czechoslovak Academy of Sciences, Prague, Czechoslovakia, Medical Genetics, 1986

Maureen Ann Valley

Associate Professor of Orthodontics

BA, University of California, Biology (High Honors), 1987
DMD, Harvard School of Dental Medicine, Dentistry (Cum Laude), 1992
MPH, Harvard School of Public Health, Public Management and Community Health, 1992
MS, Northwestern University Dental School, Orthodontics, 1997

Adjunct Faculty

Christopher Anderson

Adjunct Assistant Professor of Orthodontics

BS, Santa Clara University, Biology, 2001
DDS, University of the Pacific, Dentistry, 2004
MSD, University of the Pacific, Orthodontics, 2006

Maryse M. Aubert

Adjunct Assistant Professor of Orthodontics

DDS, University Paris V, Dentistry, 1976
University Paris VII, Embriology, 1976
University of the Pacific, Orthodontics, 1980
MA, University of the Pacific, Education, 1994
MA, University of the Pacific, Psychology and Counseling, 1994
University of California, San Francisco, Certificate of Participation - Temporomandibular, 1996

Marta Parisek Baird

Adjunct Assistant Professor of Orthodontics

BS, University of the Pacific, Biology, 2005
DDS, University of the Pacific, Dentistry, 2008
MSD, University of the Pacific, Orthodontics, 2011

Kathleen M. Bales

Adjunct Assistant Professor of Orthodontics
BA, University of the Pacific, Applied Science, 2000
DDS, University of the Pacific, Dentistry, 2003
MS, UCLA School of Orthodontics, M.S. in Oral Biology, 2006

Thomas Reed Bales

Adjunct Assistant Professor of Orthodontics
University of California Davis, 1971
DDS, University of the Pacific, School of Dentistry, Dental, 1974
certificat, UCLA, Orthodontics, 1976

Carol T. Bongiovanni

Adjunct Assistant Professor of Orthodontics
BS, Rensselaer Polytechnic Institute, Biology, 1989
DMD, Tufts University School of Dental Medicine, Magna Cum Laude, 1993
Cert, Tufts University School of Dental Medicine, Orthodontics, 1995

Thad Champlin

Adjunct Associate Professor of Orthodontics
AA, Santa Monica College, Pre-Dent, 1963
BS, Cal State University Long Beach, Zoology (Pre-Dent), 1965
DDS, USC, Dentistry, 1969
MSD, University of the Pacific, Orthodontics, 1984

David Alan Chenin

Adjunct Assistant Professor of Orthodontics
University of Colorado, Boulder, College of Arts and Sciences Kinesiology Major, 1997
BA, University of the Pacific, Applied Sciences, 2000
DDS, University of the Pacific, Dentistry, 2000
MS, University of the Pacific, Dentistry, 2006

Lani Chun

Adjunct Assistant Professor of Orthodontics
BS, University of Utah, Major: Sociology Minor: Chemistry, 1994
DDS, New York University College of Dentistry, Doctor of Dental Surgery, 1999
Bronx Lebanon Hospital Center, Hospital Based General Practice, 2000
MSD, University of the Pacific, Orthodontics, 2008

Sarah S. Chung

Adjunct Instructor of Orthodontics
Wellesley College, Biology, 2001
BS, University of the Pacific, Biological Sciences, 2003
DDS, UCSF School of Dentistry, Dentistry, 2007
MSD, University of the Pacific, Orthodontics, 2012

Sam W. Daher

Adjunct Assistant Professor of Orthodontics
DCS, Vanier College, Health Sciences, 1988
McGill University, Pre-Dentistry, 1990
DDS, McGill University, Dentistry, 1994
MS, Universite de Montreal, Orthodontics, 2006

Terry Dischinger

Adjunct Associate Professor of Orthodontics
DDS, Univ. Of Tennessee, 1973
Univ. Of Oregon, Orthodontics, 1977

Steven A. Dugoni

Adjunct Professor of Orthodontics
DMD, Tufts University, 1979
MSD, University of the Pacific, 1981

Stuart Lund Frost

Adjunct Assistant Professor of Orthodontics
Eastman School of Dentistry, Certificate in TMJD, 1988
Arizona State University, 1989
Mesa Community College, 1989
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Dentistry, 1992
University of Rochester, Eastman Dental Center, Certificate in Orthodontics, 2000

Robert W Fry

Adjunct Associate Professor of Orthodontics

DDS, U of Missouri Kansas City, 1973

MS, Univ of North Carolina, Orthodontics, 1977

Garry G Gast

Adjunct Assistant Professor of Orthodontics

BS, Oregon State Univ., 1967

San Francisco State, 1968

DDS, University Of Detroit, 1972

Cert., Univ. of Calif. San Francisco, Orthodontics, 1977

John Warren Graham

Adjunct Assistant Professor of Orthodontics

BS, Brigham Young University, Microbiology, minor in Philosophy/Analytical Think, 1992

DDS, Baylor College of Dentistry, 1996

MD, Univ of Texas Southwest Medical School, 1999

Parkland Memorial Hospital, General Surgery Intenship, 2000

Parkland Memorial Hospital, Dallas, TX, Oral Maxillofacial Surgery, 2001

University of Rochester/Eastman Dental Center, Rochester, NY, Orthodontics, 2004

Robert E Griffin

Adjunct Assistant Professor of Orthodontics

Univ. of Colorado, 1959

DDS, Northwestern Univ, 1963

Columbia University, Orthodontics, 1968

Robert S. Haeger

Adjunct Instructor of Orthodontics

University of Michigan, 1983

MS, University of Illinois At Chicago, Orthodontics, 1989

DDS, University of Michigan, Dental, 2011

Stephen J. Hannon

Adjunct Assistant Professor of Orthodontics

BS, Washington Lee University, Chemistry, 1971

DDS, Georgetown University, Dentistry, 1975

MS, West Virginia University, Orthodontics, 1978

Harry H. Hatasaka

Adjunct Associate Professor of Orthodontics

University of Colorado, 1947

DDS, Northwestern University, 1954

U.S. Public Health Service Hospital, 1955

MSD, University of Washington, 1960

David C. Hatcher

Adjunct Associate Professor of Orthodontics

BA, Central Washington State College (1969), Biology

Columbia Basin Comm. College, Pasco, Washington (1967), Biology

DDS, University of Washington, Seattle (1973), Dentistry

M.R.C.D., University of Toronto, Ontario Canada (1983), Oral Radiology

M.Sc., University of Toronto, Ontario Canada (1983), Oral Radiology

University of Vermont Medical Center (1976), General Practice Residency

University of Washington, Seattle (1965), Biology

University of Washington, Seattle (1968), Biology

Wesern Washington State College (1969), Biology

Kiri Herchold Yee

Adjunct of Orthodontics

University of Arizona, Molecular and Cellular Biology, 2005

BS, Arizona State University, Molecular Biosciences/Biotechnology, 2007

DDS, University of the Pacific, Dentistry, 2010

MSD, University of the Pacific, Orthodontics, 2012

Timothy D Irish

Adjunct Assistant Professor of Orthodontics

BA, Univ. Of CA San Diego, 06/1987, 1987

DDS, Univ. of the Pacific, 06/1990, 1990

Univ. of the Pacific, Orthodontics, 1992

Herbert W. Kaplan

Adjunct Associate Professor of Orthodontics

Temple University, Broadcasting, 1953

Ohio State University, Pre-Dental, 1958
DDS, Ohio State University College of Dent, Dentistry, 1962
MS, University of Detroit School of Dentistry, Orthodontics, 1977
University of Detroit School of Dentistry, Certificate in Orthodontics, 1977

Andrew S. Kouvaris

Adjunct Assistant Professor of Orthodontics
BS, Santa Clara University, Combined Sciences, 1999
DDS, University of the Pacific School of Dentistry, Dentistry, 2002
MSD, University of the Pacific School of Dentistry, Orthodontics, 2004

David H. Lee

Adjunct Assistant Professor of Orthodontics
BS, University of California San Diego, BS in Animal Physiology and Neuroscience, 2000
DDS, University of Southern California School of Dentistry, Dental, 2006
Naval Medical Center San Diego, CA, Advance Education in General Dentistry, 2007
MSD, University of the Pacific Arthur A. Dugoni School of Dentistry, Orthodontics, 2011

Jetson Scott Lee

Adjunct Assistant Professor of Orthodontics
AB, University of California, Berkeley, CA, Biological Sciences
DDS, University of the Pacific, School of Dentistry, Dentistry
MSD, University of the Pacific, School of Dentistry, Orthodontics

Donald W. Linck II

Adjunct Assistant Professor of Orthodontics
DDS, University of California School, San Francisco, 1963
Columbia University, Orthodontics, 1965

Cameron K. Mashouf

Adjunct Associate Professor of Orthodontics
DDS, University of Tehran, Dentistry, 1967
University of California, Berkeley, Physiology, 1970
Loyola University, Chicago, Certificate in Orthodontics, 1972

Setareh Mozafari

Adjunct Assistant Professor of Orthodontics
DDS, Azad University, School of Dentistry, Dental, 2001
DDS, University of Southern California, School of Dentistry, Dental, 2005
University of Rochester, Eastman Dental Center, Orthodontics and Dentofacial Orthopedics, 2007

Shahram Nabipour

Adjunct Assistant Professor of Orthodontics
BS, San Francisco State University, Molec. Biology, 1992
DDS, University of the Pacific Arthur A. Dugoni School of Dentistry, Dental, 2003
MSD, University of the Pacific Arthur A. Dugoni School of Dentistry, Orthodontics, 2005

Vinh Nguyen

Adjunct Assistant Professor of Orthodontics
BS, UC Berkeley, Molecular Cell Biology, 1996
DDS, University of the Pacific, Dentistry, 2001
MSD, University of the Pacific, Orthodontics, 2007

Owen Nichols

Adjunct Assistant Professor of Orthodontics
AB, Dartmouth College, History, 1958
DDS, University of Pennsylvania, Dentistry, 1962
University of Oregon, Certificate in Orthodontics, 1966

Cheol-Ho Paik

Adjunct Associate Professor of Orthodontics
DDS, Seoul National University, Dental College, Dentistry, 1983
PhD, Tsurumi University, Dental School, Orthodontics, 1990

Sheetal Patil

Adjunct Assistant Professor of Orthodontics
College of Engineering, Electrical Engineering, 1990
BDS, Govt. of Dental College Hospital, Dentistry, 1996

Thomas R. Pitts

Adjunct Associate Professor of Orthodontics
DDS, University of the Pacific, 1965
MSD, University of Washington, 1970
University of Washington, Certificate, 1970

John M. Pobanz

Adjunct Assistant Professor of Orthodontics
Utah State University, Pre dental Studies
Weber State University, Pre dental Studies
DDS, University of Nebraska College of Dentistry, dental, 1996
MS, University of Nebraska College of Dentistry, orthodontics, 1998

Sarah Rashid

Adjunct Assistant Professor of Orthodontics
BDS, Kings College London, Dentistry, 1983
Royal College of Surgeons of England, Orthodontics Pediatric Dentistry, 1996
MSc, University of London, Orthodontics, 2001
Royal College of Surgeons of England, Orthodontics, 2002

Courtney Ray

Adjunct Instructor of Orthodontics
BS, University of California, Davis, Biology, 2006
DMD, Harvard School of Dental Medicine, Dentistry, 2010
MSD, University of the Pacific, Orthodontics, 2012

W. Ron Redmond

Adjunct Associate Professor of Orthodontics
BA, U C Riverside, Zoology, 1962
DDS, University of the Pacific, Dentistry, 1966
MS, University of Southern California, Orthodontics, 1970

Michael R. Ricupito

Adjunct Associate Professor of Orthodontics
BA, San Jose State University, Biological Science, Psychology minor, 1980
DDS, University of the Pacific School of Dentistry, Dentistry, 1983
MS, University of California at Los Angeles School of Dentistry, Oral Biology, 1987
University of California at Los Angeles School of Dentistry, Certificate in Orthodontics, 1987

Straty S. Righellis

Adjunct Associate Professor of Orthodontics
DDS, University of California, Los Angeles, 1971
MSD, University of California, Los Angeles, 1973

Neil Donald Ross

Adjunct Assistant Professor of Orthodontics
AB, University of Southern California, 1965
DDS, Washington Univ. St Louis, 1970
Queen's Medical Center (Honolulu), 1971
Univ. of the Pacific, Orthodontics, 1977

Bert D. Rouleau

Adjunct Assistant Professor of Orthodontics
BS, University of Vermont, Zoology, Botany, 1975
DMD, Tufts University, Dentistry, 1978
MS, Northwestern University, Pediatric Dentistry, 1980
MSD, University of the Pacific, Orthodontics, 1982

L. William Schmohl

Adjunct Assistant Professor of Orthodontics
BS, University of California Berkeley, Business Admin, 1966
U.S. Naval Hospital, Oakland, CA, Externship, 1969
DDS, University of California San Francisco, Dentistry, 1970
MS, Case Western Reserve University, Orthodontics, 1974

Asha Sethu-Madhavan

Adjunct Instructor of Orthodontics
BDS, Rajiv Gandhi University of Health Sciences, India, Dental Surgery, 2003
DDS, University of California Los Angeles, Dental Surgery, 2008

Kenneth Shimizu

Adjunct Assistant Professor of Orthodontics
BS, University of California, Berkeley, Biology, 1980
DDS, University of the Pacific, Dentistry, 1985
MSD, University of the Pacific, Orthodontics, 1987

Susan So

Adjunct Assistant Professor of Orthodontics
BA, University of Pennsylvania College of Arts and Sciences, Biology, 1993
DMD, University of Pennsylvania School of Dental Medicine, Dental, 1997
M.M.Sc., Harvard School of Dental Medicine, Medical Science, Orthodontics, 2000

M. Gabrelle Thodas

Adjunct Assistant Professor of Orthodontics

BS, Oregon State University, Biology, 1972

DDS, University of the Pacific, General Dentistry, 1977

MSD, University of the Pacific, Orthodontics, 1995

Adrian M. Vogt

Adjunct Assistant Professor of Orthodontics

BS, University of Western Ontario, Pharmacology Toxicology, 1988

DDS, University of the Pacific School of Dentistry, General Dentistry, 1992

MSD, University of the Pacific School of Dentistry, Orthodontics, 1994

University of the Pacific School of Dentistry, Certificate in Orthodontics, 1994

Eric C. Wu

Adjunct Assistant Professor of Orthodontics

BS, Revelle College, University of California San Diego, Biochemistry/Cell Biology, 1995

DMD, University of Pennsylvania, School of Dental Medicine, 2000

University of California Los Angeles, Advanced Education in General Dentistry, 2001

Katz Graduate School of Business, University of Pittsburgh, MBA Certificate program, 2004

University of Pittsburgh, Orthodontics and Dentofacial Orthopedics, 2005

Course Descriptions**OR 144. Human Growth and Development. 1 Unit.**

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. Quarter 3.).

OR 244. Orthodontics. 2 Units.

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 and use of microimplants for anchorage will also be reviewed. (20 hours lecture. Quarters 4-5.).

OR 249. Preclinical Orthodontics. 1 Unit.

This preclinical course introduces students to various removable and fixed appliances with primary focus on their application for minor orthodontic movement. Laboratory instruction addresses such areas as fabrication of removable and fixed appliances, cementation of bands, bonding of brackets and placement of arch wires. Lateral head films are traced, measured, analyzed, and discussed with regard to norms and growth patterns. The course also introduces students to 3-D computer technology for the manufacturing of the Invisalign system appliance and the use of this appliance in general practice. Emphasis is placed on critical self-evaluation skills. (12 hours seminar. Quarter 8.).

OR 348. Applied Orthodontics. 1 Unit.

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. Quarters 9-10.).

OR 401. Cephalometrics. 4 Units.

This course introduces students to the use of cephalometric radiographs in clinical orthodontics. Students will learn basic principles of cephalometry, the historical significance of cephalometry, and how to interpret various cephalometric analyses that are most commonly used in diagnosis and treatment planning. At the end of this course, students should be able to perform various methods of superimposition in order to identify and understand changes that occurred during growth and treatment between different lateral cephalometric radiographs. (Quarters 1-2.).

OR 402. Facial Growth. 4 Units.

This course reviews scientific literature covering basic biological principles on craniofacial growth and development. This course focuses on the basic mechanisms of postnatal growth of the cranium, nasomaxillary complex and mandible, and the clinical application of facial growth principles. (Quarters 3-4.).

OR 403. Critical Thinking. 3 Units.

In this course, students will learn foundational knowledge on scientific methods, design a sound research project and critically evaluate literature in their area. (Quarters 2-4.).

OR 404. Research Practicum and Thesis I. 4 Units.

In this independent research course, students work with research mentors to develop research questions, formulate hypotheses and write a formal research proposal that includes a full literature review, statement of material and methods, execution of the research, and appropriate analysis and interpretation of data. This course is designed to enable successful completion of the MS thesis. (Quarters 1-4.).

OR 410. Biomechanics. 7 Units.

This seminar-based course introduces fundamental concepts for understanding the laws of mechanics and biological responses to force systems used in orthodontic force systems and appliances. (Quarters 1-4.).

OR 411. Craniofacial Biology & Genetics. 6 Units.

In order to build a solid foundation for clinical orthodontic treatment, this course specifically focuses on human craniofacial growth and development and on craniofacial genetics, helping students to understand concepts related to the nature and control of normal and abnormal craniofacial growth. The course is divided into three consecutive quarters: Normal Human Growth and Development (1Q), Advanced Basic Science (2Q), Abnormal Growth and Development (3Q). (Quarters 1-3.).

OR 412. Cleft Lip & Palate/Craniofacial Anomalies. 2 Units.

The course focuses on introducing a multidisciplinary approach to treating patients with cleft lip and palate and other craniofacial anomalies (CFA). A state-of-the-art approach in the management of CFA patients is based on current literature and seminars covering etiology and epidemiology, recurrence risk, and primary prevention. While this course emphasizes orthodontics (which includes naso-alveolar molding), surgical treatment, speech problems and psychological issues are also covered. (Quarter 4.).

OR 413. Cleft Medical Missions Seminar. 2 Units.

This course consists of seminars and practical exercises in making appliances to prepare residents to be actively involved in the treatment of patients with cleft lip and palate and other craniofacial anomalies by participating in medical and dental missions in developing and undeveloped countries. (Quarters 1-2.).

OR 414. Introduction to Contemporary Orthodontics. 5 Units.

This course introduces basic artistic skills in contemporary orthodontics. Students will review the basic concepts of photography, direct bonding of fixed appliances, 3D imaging, 3D cephalometric analysis, and digital imaging software (2D and 3D). (Quarters 1-4.).

OR 420. Bone Biology. 1 Unit.

This seminar course is designed for first year residents to review basic concepts and theories of bone biology, orthodontic tooth movement, and osseointegration of orthodontic microimplants. (Quarter 4.).

OR 421. Current Literature Seminar I. 4 Units.

In this seminar series, students review articles appearing in orthodontic and related journals. (Quarters 1-4.).

OR 422. Anatomy. 1 Unit.

This course provides a detailed review of anatomic structures of the craniofacial region. Lecture topics include osteology of the skull, innervation and blood supply of the face, muscles of facial expression and mastication, and anatomy of the oral cavity. (Quarter 1.).

OR 423. Comprehensive Case Analysis Seminar I. 4 Units.

Topics in this seminar series include the clinical application of various diagnostic procedures and treatment philosophies, the presentation of practical procedures in the management of unusual problems that can arise during the course of treatment, basic and applied principles of photography, and advances in computer technology. (Quarters 1-4.).

OR 424. Treatment Planning Seminar I. 4 Units.

In this seminar series, first-year residents prepare a case presentation to share initial diagnostic records to diagnose and treatment plan orthodontic cases. All students then participate in free-format discussion. (Quarters 1-4.).

OR 426. Principles of Orthodontic Technique. 5 Units.

This course is designed to provide basic principles on orthodontic tooth movement and fixed appliances by working on typodonts. (Quarters 1-2.).

OR 430. Surgical-Orthodontic Treatment. 6 Units.

This seminar-based course covers basic concepts involved in surgical orthodontics, which include diagnosis and treatment planning, pre-surgical orthodontics, surgical procedures utilized by oral surgeons, and post-surgical orthodontics. Topics such as TMJ disorders, Distraction Osteogenesis, and Obstructive Sleep Apnea are also discussed. (Quarters 1-4.).

OR 431. Orthognathic Surgery Seminar I. 4 Units.

This seminar series for the orthodontic and oral surgery residents emphasizes diagnosis, treatment planning, management of pre- and post-surgical orthodontic treatment, and understanding of treatment outcome and stability. This course consists of case presentations by the Orthodontic and Oral and Maxillofacial Surgery faculty and residents. (Quarters 1-4.).

OR 432. Multidisciplinary Seminar I. 4 Units.

This seminar series covers treatment of patients with complex dental and skeletal orthodontic, periodontal, and restorative problems that require input from a variety of dental specialties. The teaching format includes case presentations by the residents and open discussions of interdisciplinary topics. (Quarters 1-4.).

OR 433. Retention Seminar I. 1 Unit.

In this seminar series, each second-year resident presents on a long-term post-retention patient whose active orthodontic treatment was completed at least ten years prior to the resident's year of graduation from the program. All students and faculty then participate in discussion. (Quarter 4.).

OR 434. Introduction to Invisalign. 1 Unit.

The purpose of this course is to introduce basic knowledge on clinical applications of Invisalign treatment, while also incorporating the latest treatment protocols. (Quarter 1.).

OR 456. Clinical Orthodontics I. 30 Units.

This series provides clinical experience in treating orthodontic patients with a variety of problems. Various orthopedic appliances, including the headgear, face mask, rapid maxillary expander and other fixed auxiliary appliances (LLA, TPA, Wilson distalizer) may be incorporated into specific treatment protocols. Topics also include other appliance systems such as edgewise appliance (.018 & .022" slot), TAD, self-ligating brackets, fixed-functional appliance (Herbst, Forsus), and Invisalign for adolescent and adult patients. (Quarters 1-4.).

OR 457. Mixed Dentition Orthodontics I. 8 Units.

This series provides clinical experience in treating various malocclusions in the mixed dentition stage. This course covers facial growth and occlusal development in the mixed dentition, diagnosis and treatment planning for mixed dentition cases, and evaluating growth changes and treatment outcomes. (Quarters 1-4.).

OR 458. Surgical Orthodontics I. 2 Units.

This series provides clinical experience in analyzing diagnostic records, formulating surgical orthodontic treatment plans for patients with major skeletal and dental disharmonies, integration of surgical and orthodontic treatment, communication with surgeons, pre-and post- surgical orthodontic treatment, and evaluation of treatment outcomes. (Quarters 1-4.).

OR 459. Clinical Orthodontics in Craniofacial Anomalies I. 2 Units.

In this series, students will provide orthodontic treatment to patients with craniofacial anomalies in the graduate clinic and attend panels provided by comprehensive KAISER and Oakland Children's Hospital Craniofacial Anomalies Teams. (Quarters 1-4.).

OR 500. Second Year Orthodontics. 12 Units.

OR 501. Principles of Orthodontics. 8 Units.

In this literature-based seminar, residents participate in discussion with emphasis on the critical analysis and evaluation of the scientific methodology in the literature reviewed, and the clinical application of the material. Topics include Principles of Orthodontics Introduction, Biomechanics, Facial growth, Retention & Relapse, Functional appliances, Intraoral forces, Mandibular motion & Tooth contact, Maxillo-Mandibular references, and Occlusal treatment objectives. (Quarters 5-8.).

OR 502. Microimplant & Bone Biology I. 6 Units.

This course provides comprehensive review of the factors related to safety and stability of orthodontic microimplants and their clinical application in orthodontic treatment. Students will present their own clinical cases that utilized microimplants. (Quarters 5-7.).

OR 503. Research Design I. 4 Units.

This advanced course covers the nature of hypothesis testing, the process of clinical decision making, and the statistical methodology to be employed in each student's thesis project. (Quarters 5-8.).

OR 504. Research Practicum and Thesis II. 4 Units.

In this independent research course, students work with research mentors to develop research questions, formulate hypotheses and write a formal research proposal that includes a full literature review, statement of material and methods, execution of the research, and appropriate analysis and interpretation of data. This course is designed to enable successful completion of the MS thesis. (Quarters 5-8.).

OR 510. Periodontic-Orthodontic Relations. 8 Units.

The first part of this course covers the Orthodontic-Restorative-Periodontal Interface, including esthetic and functional considerations, periodontal and other benefits of two-phase orthodontic treatment, clinical considerations of orthodontic root resorption, periodontal considerations in the orthodontic treatment of impacted teeth, and Invisalign treatment. The second part of this course covers the latest innovations from Invisalign and their application to Complex class, I, II, and III Malocclusions. (Quarters 5-8.).

OR 511. Practice Management I. 3 Units.

This course covers basic concepts of practice management, including human resource management, management systems, marketing, legal aspects of orthodontics, associateships/practice ownership, and customer service. The format of this course includes guest lectures by orthodontists, orthodontic consultants, and other professionals connected to the specialty of orthodontics, as well as private practice office visits. (Quarters 6-8.).

OR 512. Preparation for Specialty Examination. 1 Unit.

This course will prepare students for the American Board of Orthodontics written exam by reviewing basic sciences and clinical concepts in orthodontics. (Quarter 7.).

OR 513. TMD & Orthodontics. 1 Unit.

This course covers the ramifications of orthodontic treatment on the stomatognathic system, the intricacies of the interrelationship between the occlusion and the TMJ, and basic management of TMD symptoms. (Quarter 5.).

OR 521. Current Literature Seminar II. 4 Units.

In this seminar series, students review articles appearing in orthodontic and related journals. (Quarters 5-8.).

OR 523. Comprehensive Case Analysis Seminar II. 4 Units.

Topics in this seminar series include the clinical application of various diagnostic procedures and treatment philosophies, the presentation of practical procedures in the management of unusual problems that can arise during the course of treatment, basic and applied principles of photography, and advances in computer technology. (Quarters 5-8.).

OR 524. Treatment Planning Seminar II. 4 Units.

In this seminar series, first-year residents prepare a case presentation to share initial diagnostic records to diagnose and treatment plan orthodontic cases. All students then participate in free-format discussion. (Quarters 5-8.).

OR 531. Orthognathic Surgery Seminar II. 4 Units.

This seminar series for the orthodontic and oral surgery residents emphasizes diagnosis, treatment planning, management of pre- and post-surgical orthodontic treatment, and understanding of treatment outcome and stability. This course consists of case presentations by the Orthodontic and Oral and Maxillofacial Surgery faculty and residents. (Quarters 5-8.).

OR 532. Multidisciplinary Seminar II. 4 Units.

This seminar series covers treatment of patients with complex dental and skeletal orthodontic, periodontal, and restorative problems that require input from a variety of dental specialties. The teaching format includes case presentations by the residents and open discussions of interdisciplinary topics. (Quarters 5-8.).

OR 533. Retention Seminar II. 1 Unit.

In this seminar series, each second-year resident presents on a long-term post-retention patient whose active orthodontic treatment was completed at least ten years prior to the resident's year of graduation from the program. All students and faculty then participate in discussion. (Quarter 8.).

OR 556. Clinical Orthodontics II. 40 Units.

This series provides clinical experience in treating orthodontic patients with a variety of problems. Various orthopedic appliances, including the headgear, face mask, rapid maxillary expander and other fixed auxiliary appliances (LLA, TPA, Wilson distalizer) may be incorporated into specific treatment protocols. Topics also include other appliance systems such as edgewise appliance (.018 & .022" slot), TAD, self-ligating brackets, fixed-functional appliance (Herbst, Forsus), and Invisalign for adolescent and adult patients. (Quarters 5-8.).

OR 557. Mixed Dentition Orthodontics II. 8 Units.

This series provides clinical experience in treating various malocclusions in the mixed dentition stage. This course covers facial growth and occlusal development in the mixed dentition, diagnosis and treatment planning for mixed dentition cases, and evaluating growth changes and treatment outcomes. (Quarters 5-8.).

OR 558. Surgical Orthodontics II. 2 Units.

This series provides clinical experience in analyzing diagnostic records, formulating surgical orthodontic treatment plans for patients with major skeletal and dental disharmonies, integration of surgical and orthodontic treatment, communication with surgeons, pre-and post-surgical orthodontic treatment, and evaluation of treatment outcomes. (Quarters 5-8.).

OR 559. Clinical Orthodontics in Craniofacial Anomalies II. 2 Units.

In this series, students will provide orthodontic treatment to patients with craniofacial anomalies in the graduate clinic and attend panels provided by comprehensive KAISER and Oakland Children's Hospital Craniofacial Anomalies Teams. (Quarters 5-8.).

OR 601. Temporomandibular Joint Disorders. 1 Unit.

This course provides an overview of clinical anatomy and mechanics of the TMJ, pathogenesis of degenerative TMD disorders, and various approaches on the management of TMD. (Quarter 9.).

OR 602. Microimplant & Bone Biology II. 1 Unit.

This course provides comprehensive review of the factors related to safety and stability of orthodontic microimplants and their clinical application in orthodontic treatment. Students will present their own clinical cases that utilized microimplants. (Quarter 9.).

OR 603. Research Design II. 1 Unit.

This advanced course covers the nature of hypothesis testing, the process of clinical decision making, and the statistical methodology to be employed in each student's thesis project. (Quarter 9.).

OR 604. Research Practicum and Thesis III. 6 Units.

In this independent research course, students work with research mentors to develop research questions, formulate hypotheses and write a formal research proposal that includes a full literature review, statement of material and methods, execution of the research, and appropriate analysis and interpretation of data. This course is designed to enable successful completion of the MS thesis. (Quarter 9.).

OR 611. Practice Management II. 1 Unit.

This course covers basic concepts of practice management, including human resource management, management systems, marketing, legal aspects of orthodontics, associateships/practice ownership, and customer service. The format of this course includes guest lectures by orthodontists, orthodontic consultants, and other professionals connected to the specialty of orthodontics, as well as private practice office visits. (Quarter 9.).

OR 612. Ethics. 1 Unit.

This is an intermediate-advanced course that builds on undergraduate ethics instruction and focuses on issues unique to orthodontic practice. Students will reflect on and discuss real-life cases that exemplify typical ethical problems in orthodontics. (Quarter 9.).

OR 613. Orthodontics Speaker Series. 2 Units.

In this course, guest speakers deliver lectures on a variety of orthodontic topics. (Quarter 9.).

OR 621. Current Literature Seminar III. 1 Unit.

In this seminar series, students review articles appearing in orthodontic and related journals. (Quarter 9.).

OR 623. Comprehensive Case Analysis Seminar III. 1 Unit.

Topics in this seminar series include the clinical application of various diagnostic procedures and treatment philosophies, the presentation of practical procedures in the management of unusual problems that can arise during the course of treatment, basic and applied principles of photography, and advances in computer technology. (Quarter 9.).

OR 624. Treatment Planning Seminar III. 1 Unit.

In this seminar series, first-year residents prepare a case presentation to share initial diagnostic records to diagnose and treatment plan orthodontic cases. All students then participate in free-format discussion. (Quarter 9.).

OR 631. Orthognathic Surgery Seminar III. 1 Unit.

This seminar series for the orthodontic and oral surgery residents emphasizes diagnosis, treatment planning, management of pre- and post-surgical orthodontic treatment, and understanding of treatment outcome and stability. This course consists of case presentations by the Orthodontic and Oral and Maxillofacial Surgery faculty and residents. (Quarter 9.).

OR 632. Multidisciplinary Seminar III. 1 Unit.

This seminar series covers treatment of patients with complex dental and skeletal orthodontic, periodontal, and restorative problems that require input from a variety of dental specialties. The teaching format includes case presentations by the residents and open discussions of interdisciplinary topics. (Quarter 9.).

OR 656. Clinical Orthodontics III. 10 Units.

This series provides clinical experience in treating orthodontic patients with a variety of problems. Various orthopedic appliances, including the headgear, face mask, rapid maxillary expander and other fixed auxiliary appliances (LLA, TPA, Wilson distalizer) may be incorporated into specific treatment protocols. Topics also include other appliance systems such as edgewise appliance (.018 & .022" slot), TAD, self-ligating brackets, fixed-functional appliance (Herbst, Forsus), and Invisalign for adolescent and adult patients. (Quarter 9.).

OR 657. Mixed Dentition Orthodontics III. 2 Units.

This series provides clinical experience in treating various malocclusions in the mixed dentition stage. This course covers facial growth and occlusal development in the mixed dentition, diagnosis and treatment planning for mixed dentition cases, and evaluating growth changes and treatment outcomes. (Quarter 9.)

OR 658. Surgical Orthodontics III. 1 Unit.

This series provides clinical experience in analyzing diagnostic records, formulating surgical orthodontic treatment plans for patients with major skeletal and dental disharmonies, integration of surgical and orthodontic treatment, communication with surgeons, pre-and post- surgical orthodontic treatment, and evaluation of treatment outcomes. (Quarter 9.)

OR 659. Clinical Orthodontics in Craniofacial Anomalies III. 1 Unit.

In this series, students will provide orthodontic treatment to patients with craniofacial anomalies in the graduate clinic and attend panels provided by comprehensive KAISER and Oakland Children's Hospital Craniofacial Anomalies Teams. (Quarter 9.)

Pediatric Dentistry (PD)

Department Chairperson

Alfred Jeffrey Wood

Professor of Pediatric Dentistry

Faculty

Nicolas Bronzini

Assistant Professor of Pediatric Dentistry

BS, University of California, Davis, Biological Sciences, 2002

DDS, University of the Pacific - School of Dentistry, Dentistry, 2005

University of Southern California, Pediatric Dentistry, 2007

Virginia S. Conner

Assistant Professor of Pediatric Dentistry

BS, Duke University, Biology, 1994

DDS, University of the Pacific, Dental Surgery, 1999

UCSF, AEGD, 2000

MS, University of Michigan, Pediatric Dentistry, 2002

Maria Do

Assistant Professor of Pediatric Dentistry

BS, UCLA, Molecular, Cellular, Development Bio, 2004

DDS, USC, Dentistry, 2008

DDS, Albert Einstein / Montefiore, Pediatric Dentistry, 2010

Michelle M Haghpanah

Assistant Professor of Pediatric Dentistry

BS, Fairfield University, Biology and Computer Science, 2002

MPH, Yale University, Epidemiology of Microbial Diseases, 2004

DDS, New York University, Dentistry, 2009

Mount Sinai Hospital, GPR and Pediatric Dentistry, 2012

Stephanie Hardwick

Assistant Professor of Pediatric Dentistry

DDS, UCLA, Dentistry, 2010

Other, NYU, Certificate - Pediatric Dentistry, 2012

Frank Robert Hodges

Assistant Professor of Pediatric Dentistry

University of California, Santa Barbara, 1966

DDS, University of the Pacific, Dentistry, 1971

MSD, Seattle Children's Orthopedic Hospital, Dentistry, 1975

MSD, University of Washington School of Dentistry, Dentistry, 1975

Eunhae Park Kwon

Assistant Professor of Pediatric Dentistry

BS, University of Colorado, BS Biology, 2005

DDS, University of San Francisco School of Dentistry, DDS, 2009

Harvard School of Dental Medicine/Childrens Hospital Boston, Pediatric Dentistry, 2011

Eric Charles McMahon

Assistant Professor of Pediatric Dentistry

BS, UC Davis, Genetics, 2001

DDS, University of the Pacific, Dentistry, 2005

DDS, Harvard Dental, Specialty Certificate, 2007

Leticia Mendoza-Sobel

Assistant Professor of Pediatric Dentistry

DDS, Escuela Nacional de Estudios Profesionales, Dental Degree, 1981

Universidad Latinoamericana, School of Dentistry, Mexico City, Pediatric Dentistry, 1990

Universidad Latinoamericana, School of Dentistry, Mexico City, Orthodontics, 1992

Simon P. Morris

Assistant Professor of Pediatric Dentistry

BS, Harvey Mudd College, 1993

DDS, University of the Pacific, 1996

University of Southern California, Certificate of Specialization, 1998

Robert C. K. Peng

Assistant Professor of Pediatric Dentistry

Santo Domingo Dominican Republic, 1983

BA, Duke University, 1986

DDS, University of California, Los Angeles, School of Dentistry, 1995
University of California, Los Angeles, School of Dentistry, Pediatric Dental Residency, 1998

Nikki Pung-Yamato

Assistant Professor of Pediatric Dentistry

DDS, University of the Pacific, Dentistry, 2009
Interfaith Medical Center, Pediatric Dentistry / Board Certified, 2011

Rinku S Saini

Assistant Professor of Pediatric Dentistry

BS, University of California, Irvine, Biological Sciences, 1999
MS, University of Hawaii at Manoa, Cell and Molecular Biology, 2000
University of Hawaii at Manoa, Certificate of Public Health, 2000
DDS, Columbia University College of Dental Medicine, 2005
MPH, Columbia University Mailman School of Public Health, Health Policy and Management, 2005
UCLA, General Practice Residency Program, 2006
Children's National Medical Center, 2009

Robert Stuart

Associate Professor of Pediatric Dentistry

AB, Columbia College, 1951
DDS, New York University, 1955
Columbia University College of Physicians, Surgeons, Pediatrics, 1959

Vivienne Valdez

Assistant Professor of Pediatric Dentistry

BS, Ohio State University, Biological Sciences, Biology, 2003
DDS, New York University College of Dentistry, 2007
St. Barnabas Hospital, Bronx, Pediatric Dental Residency, 2010

Alfred Jeffrey Wood

Professor of Pediatric Dentistry

BS, Virginia Commonwealth University, Biology, 1980
DDS, Medical College of Virginia, Dentistry, 1984
Medical College of Virginia, Pediatric Dentistry, 1987

Adjunct Faculty

Noor Bilbeisi

Adjunct Assistant Professor of Pediatric Dentistry

University of Michigan, Pre dental, 1999
DDS, University of Detroit Mercy, Dentistry, 2003
New York University, Pediatric Dentistry, 2007

David J. Crippen

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of Washington, Zoology, 2001
DDS, University of the Pacific, Arthur A. Dugoni School of Dentistry, 2004
Children's Hospital of Wisconsin, Certificate in Pediatric Dentistry, 2006

Jay T Golinveaux

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of California Berkeley, Science, Resource Economics and Policy, 1996
AB, California State University, Sacramento, General Science, 1997
DDS, University of the Pacific - School of Dentistry, General Dentistry, 2008
MS, University of California, San Francisco, Pediatric Dentistry, 2011

Charles Wilber Halterman

Adjunct Assistant Professor of Pediatric Dentistry

Eastman Dental, Pedo Certificate, 1973
BS, Chico State College, 1976
DDS, University of California, San Francisco, Dentistry, 1980
MA, University of the Pacific, School of Dentistry, 1993

Jeffrey Paul Huston

Adjunct Associate Professor of Pediatric Dentistry

BA, Indiana University, Biology, 1977
DDS, Indiana University School of Dentistry, 1979
MS, Indiana University School of Medicine, Master of Science in Medical Genetics, 1979
University of Southern California - School of Dentistry, Certificate in Pediatric Dentistry, 1984

Stacey Lam

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of California, Davis, Chemical Engineering, 1998
DDS, University of the Pacific School of Dentistry, Doctor of Dental Surgery, 2007

University of California, Los Angeles, Pediatric Dentistry, 2007

Mary C. Le

Adjunct Assistant Professor of Pediatric Dentistry

BA, DDS, University of Missouri - Kansas City, Six year combined program, 2000

MS, University of California San Francisco, Oral Biology, 2003

University of California San Francisco, Certificate in Pediatric Dentistry, 2003

David W. Lee

Adjunct Assistant Professor of Pediatric Dentistry

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

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

Lerida F. Lipumano-Picazo

Adjunct Assistant Professor of Pediatric Dentistry

University of the Philippines, Pre-Doctoral, 1982

DMD, University of the Philippines, 1986

Boston University School of Graduate Dentistry, Pediatric Dentistry, 1992

Monika M Meekay

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of California, Davis, Genetic, 2002

DDS, University of California, San Francisco, 2007

Stephanie D. Moniz

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of Santa Barbara, Pharmacology, 2006

DDS, University of the Pacific, Dentistry, 2009

Children's Hospital of Wisconsin, Pediatric Dentistry, 2011

John A Neves

Adjunct Assistant Professor of Pediatric Dentistry

Georg-August Universitaet, Education Abroad Program, 1997

BS, University of California, Major: Biology Minors: German Music, 1998

DMD, Nova Southeastern University, Doctor of Dental Medicine, 2004

Nova Southeastern University/Miami Children's Hospital, Certificate in Pediatric Dentistry, 2006

Charles E. Sackett

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of San Francisco, Biology, 2000

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

Jamie J Sahouria

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of the Pacific, Biological Sciences, 2001

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

University of the Pacific, Advanced Education - General Dentistry, 2005

MS, University of Texas Health Sciences Center - Houston, Pediatric Dentistry, 2007

Donald C. Schmitt

Adjunct Assistant Professor of Pediatric Dentistry

BA, University of California, Berkeley, Human Biodynamics, 1993

DDS, University of the Pacific, 1999

Miller Childrens Hospital, Long Beach, 2001

University of Southern California, Pediatric Dentistry, 2001

Richard Stephen Sobel

Adjunct Associate Professor of Pediatric Dentistry

BA, Queens College, New York City, 1963

U.S. Public Health Service COSTEP Externship, Federal Medical Center, 1966

DDS, State University of New York at Buffalo, School of Dentistry, Dentistry, 1967

Harvard University, Pediatric Dentistry, 1979

Joshua J. Solomon

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of the Pacific, BS Biology, 1998

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

MS, University of Texas, Dental Branch at Houston, Dept. of Oral Bio-Materials, Master of Science, 2003

University of Texas, Dental Branch at Houston, Dept. of Pediatric Dentistry, Certificate in Pediatric Dentistry, 2003

Yogita B Thakur

Adjunct Assistant Professor of Pediatric Dentistry

BDS, VYWS College Hospital, General Dentistry, 1996

MSA, University of Iowa, Dental Public Health, 2002

MS, UCSF, Certificate Pediatric Dentistry, 2010

Brigid W Trent

Adjunct Assistant Professor of Pediatric Dentistry

BA, Marquette University, Physiology, Spanish, 2002

DDS, University of Illinois, Dentistry, 2006

DDS, VA Medical Center, SF, General Practice Residency, 2009

Childrens Memorial Hospital, Pediatric Dentistry, 2011

Michael Wahl

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of California Los Angeles, Engineering, 2006

DDS, New York University College of Dentistry, DDS, 2010

New York University College of Dentistry, Pediatric Dentistry, 2012

Bobby Yang

Adjunct Assistant Professor of Pediatric Dentistry

BS, University of Arizona, Health Sciences, 1998

DDS, University of the Pacific School of Dentistry, 2003

Children's Hospital of Wisconsin, Pediatric Dentistry, 2005

Course Descriptions**PD 146. Preclinical Pediatric Dentistry. 1 Unit.**

This simulation lab-based course introduces first-year IDS students to the technical aspects of preparing and restoring primary teeth. (2 hours lecture, approximately 6 hours lab/clinic. Quarter 3.).

PD 240. Pediatric Dentistry. 2 Units.

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 guidance in children. (20 hours lecture. Quarters 5-6.).

PD 346. Dental Auxiliary Utilization. 2 Units.

Rationale and system of procedures for sit-down, four-handed dental practice, including ergonomically correct practice and work-related injury prevention. (84 hours clinic in conjunction with Clinical Pediatric Dentistry. Quarters 7-10.).

PD 347. Clinical Pediatric Dentistry. 2 or 4 Units.

Study of the diagnosis, treatment planning, and comprehensive preventive and restorative dental treatment for children. (84 hours clinic in conjunction with Dental Auxiliary Utilization. Quarters 7-10.).

Periodontics (PR)

Department Chairperson

William P. Lundergan

Professor of Periodontics

Faculty

Tamer Alpagot

Professor of Periodontics

Hacettepe University, Ankara, Turkey, Dentistry, 1981

DDS, Ege University, Izmir, Turkey, Dentistry, 1983

PhD, Hacettepe University, Ankara, Turkey, Periodontics, 1986

PhD, University of Minnesota, Oral Biology, 1995

Shelly Azevedo

Instructor of Periodontics

California State University, Chico, Pre-Dental Hygiene, 1982

BS, Loma Linda University, Dental Hygiene, 1984

Masters, Touro University International, Health Science with an emphasis in Health Education, 2007

Gretchen J. Bruce

Associate Professor of Periodontics

University of Minnesota, 1973

BA, Northwestern University, Biology, 1976

BS, University of Illinois, Bachelor of Science Dentistry 12/81, 1983

DDS, University of Illinois, Doctor of Dental Surgery 6/83, 1983

Boston University, Certificate, Periodontics 6/87, 1987

MBA, University of the Pacific, Master of Business Administration, 1999

Huei-Ling Chang

Assistant Professor of Periodontics

DDS, University of California, San Francisco, Dentistry, 2005

MS, The Ohio State University, Periodontology, 2008

Abida Tariq Cheema

Assistant Professor of Periodontics

BSc, Lahore College for Women, Lahore, Pakistan, PreMed/Dental, 1970

BDS, de' Montmorency College of Dentistry, Punjab Dental Hospital, Lahore, Pakistan, Dentistry, 1974

MSc, Institute of Dental Surgery, London University, London, UK, Periodontology, 1986

Preeti M Chopra

Assistant Professor of Periodontics

BDS, H.P Govt Dental School, Bachelor of Dental Surgery, 2004

MS, University of Alabama, Masters of Science in Dental Biomaterials, 2007

MS, Baylor College of Dentistry, Texas AM University, Master of Science - Periodontics, 2010

Cathleen Dornbush

Instructor of Periodontics

Illinois Central College, Prehygiene, 1975

BS, University of Southern California, Dental Hygiene, 1979

University of the Pacific, RDHAP, 2004

Elena Maria Francisco

Assistant Professor of Periodontics

BS, Loma Linda University, Dental Hygiene, 1976

San Joaquin Delta College, Spanish, Sciences, 1985

University of the Pacific, Speech Language Pathology, 2008

MS, Idaho State University, Pocatello, ID, Dental Hygiene Education, 2012

Gary Grill

Assistant Professor of Periodontics

BS, University of Maryland, BS Zoology, 1974

DDS, University of Southern California, Dentistry, 1978

Boston University, Certificate in Periodontics, 1980

Lisa A. Harpenau

Professor of Periodontics

BS, Loyola Marymount University, Biology, 1986

BS, University of California San Francisco, Dental Sciences, 1990

DDS, University of California San Francisco, 1990

Baylor College of Dentistry, Periodontics, 1992

MS, Baylor University Graduate School, Oral Biology, 1992

MBA, University of the Pacific, 1999
MA, University of the Pacific, Educational Administration, 2009

Deborah J. Horlak

Associate Professor of Periodontics
Wittenberg University, Biology/Chemistry, 1971
BA, Ohio State University, Psychology/Dental Hygiene, 1973
MA, California State University, Fresno, Higher Education Administration, 2003

Josef A Huang

Assistant Professor of Periodontics
BS, University of San Diego, Biology, 1993
DDS, Columbia University Dental, Dental, 1998
New York University, Periodontics, 2001

Tanya V. Jones

Instructor of Periodontics
Brigham Young University
Brigham Young University, German, 1982
AA, Chabot College, Dental Hygiene, 1985
AA, University of the Pacific, Dental Hygiene, 2004

Kimi Kan

Instructor of Periodontics
Santa Rosa Junior College, A.S and A.A Degree, 2002
BS, San Francisco State University, Biology/Physiology, 2004
BS, University of the Pacific, Dental Hygiene, 2006

Richard Tsu-hsun Kao

Professor of Periodontics
AB, University of California, Berkeley, Bacteriology, 1976
MA, San Francisco State University, Cell Biology, 1980
DDS, University of California, San Francisco, Dentistry, 1982
PhD, University of California, San Francisco, Experimental, 1984
University of California, San Francisco, Post-doctoral fellow Bone Biochemistry, 1986
University of California, San Francisco, Post-doctoral fellow Pathology, 1986
University of California, San Francisco, Certificate in Periodontics, 1991

Michael H. Korman

Assistant Professor of Periodontics
BA, University of Southern California, History, 1966
DDS, University of Southern California, DDS, 1970
MS, Loyola University, Oral Biology, 1972

Dan R. Lauber

Assistant Professor of Periodontics
BA, San Fernando Valley State College, Biology, 1970
DDS, University of Southern California, 1975
Boston University, Periodontics Certificate, 1979

William P. Lundergan

Professor of Periodontics
AA, College of the Sequoias, Mathematics, 1970
BS, University of California, Irvine, Biology, 1973
University of California, San Francisco, Pharmacy, 1978
DDS, University of the Pacific, Dentistry, 1981
University of Connecticut, Certificate of Proficiency in Periodontics, 1983
MA, University of the Pacific, Education, 1994

Frank Martinez

Assistant Professor of Periodontics
University of New Mexico, Chemical Engineering, 1967
U. S. Navy, Technician's Prosthetics School, 1972
BS, University of New Mexico, 1974
DDS, University of Southern California, 1978
National Naval Dental Center, Periodontics Certificate, 1983
SCU, School of Law, Santa Clara California, 1995

Richard Alan Nathan

Associate Professor of Periodontics
BS, Tufts College, Biology / Psychology, 1971
DMD, Tufts Dental, Dentistry, 1975
Denver Hospital, Denver, CO, General Practice, 1976
UCSF Dental School, Periodontology Certificate, 1978

MS, UCSF Dental School, Oral Biology, 1979

William J. Tognotti

Assistant Professor of Periodontics

University of San Francisco, 1955

DDS, College of Physicians Surgeons (UOP), 1959

Yi-Pin Tsao

Assistant Professor of Periodontics

DDS, Kaohsiung Medical University, Dentistry, 2000

MS, University of Michigan, Periodontics, 2004

Paula Watson

Associate Professor of Periodontics

Modesto Junior College, Pre-Dental Hygiene, 1988

AS, Foothill College, Dental Hygiene, 1990

BS, Chapman University, Health Systems, Certificate in Gerontology, 2001

MS, University of New Haven Connecticut, Human Nutrition, 2004

Jonathan S. Wong

Assistant Professor of Periodontics

BA, University of California, Davis, Biological Sciences, 1996

BA, University of California, Davis, Organizational Studies, 1996

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

Oregon Health and Sciences University, Periodontology, 2006

Joseph A. Zingale

Professor of Periodontics

Adelbert College of Case Western Reserve University, 1953

BS, Case Western Reserve University, 1955

DDS, Case Western Reserve University, 1957

St. Luke's Hospital Cleveland, Ohio, Rotating Internship, 1958

Walter Reed Institute of Research, Advanced Theory and Science of Dental Practice, 1968

Letterman Army Medical Center, 1970

MPS, Western Kentucky University, 1974

Adjunct Faculty

Lynna BK Bui

Adjunct Assistant Professor of Periodontics

DDS, Northwestern University, General Dentistry, 1999

MA, University of Pittsburgh, Periodontics, 2004

MPH, University of Pittsburgh, Dental Public Health, 2004

Navid N. Knight

Adjunct Assistant Professor of Periodontics

B.A., University of California at Berkeley, 1986

D.D.S., University of the Pacific School of Dentistry, 1989

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

Oregon Health Sciences University, Certificate in Periodontics, 1992

Oregon Health Sciences University, Mini Anesthesia Residency, 1992

Veterans Admin. Hospital, Periodontology resident, 1992

United States Navy, Certificate of Training in Oral Pathology/Medicine, 1995

Etienne Lacrampe

Adjunct Assistant Professor of Periodontics

Diablo Valley Community College, 1997

BA, University of California Davis, BA in History, 1999

DMD, Tufts University School of Medicine, 2003

Oregon Health and Science University, Certificate of Periodontics, 2006

Scott W. Milliken

Adjunct Assistant Professor of Periodontics

BA, San Jose State University, Biology, 1984

DDS, University of Pacific, Surgery, 1987

MS, Northwestern University, Certificate in Periodontics, 1989

John Muller

Adjunct Assistant Professor of Periodontics

BS, University of San Francisco, Biology, 1978

DDS, University of the Pacific, Dentistry, 1985

Alexander Pritsky

Adjunct Assistant Professor of Periodontics

B. Med. Sc, Tel-Aviv University, Medical Science, 1997

DMD, Tel-Aviv University, Dentistry, 2000
University of Rochester, Certificate in Periodontics, 2005

Lita Rodriguez

Adjunct Instructor of Periodontics

DDS, Cayetano Heredia Peruvian University, Dental, 1988

Mauricio Ronderos

Adjunct Assistant Professor of Periodontics

DDS, Pontificia Universidad Javeriana, Dentistry, 1992

MPH, University of Minnesota, Epidemiology, 1999

MS, University of Minnesota, Periodontics-Dentistry, 1999

University of Minnesota, Periodontics, 1999

Jeremy Schreckengost

Adjunct Instructor of Periodontics

De Anza College, 1999

AS, Foothill College, Dental Assisting, 2001

AS, Cabrillo College, Dental Hygiene, 2004

Marlene Storz

Adjunct Assistant Professor of Periodontics

BS, University of the Pacific, Dental Hygiene, 2006

Shanda Wallace

Adjunct Instructor of Periodontics

AS, Cabrillo College, Certificate in Dental Hygiene

BS, Loma Linda University, Dental Hygiene

San Joaquin Delta College, General Education, 1980

Louisiana State University, Cultural Anthropology and Womens Literature, 2011

University of Phoenix, College Algebra, 2011

Course Descriptions

PR 150. Periodontal Diseases. 1 Unit.

Introduction to periodontology, clinical and histopathological features, epidemiology, classification of periodontal diseases, pathogenesis, etiologies of periodontal disease, and risk assessment. (10 hours lecture. Quarter 4.)

PR 151. Periodontics & Periodontal Diseases. 3 Units.

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. IDS Quarter 1.)

PR 156. Preclinical Periodontics. 1 Unit.

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. (5 hours lecture, 5 hours lab. Quarter 4.)

PR 250. Periodontics. 3 Units.

Introduction to the methodology of collecting data, utilizing data to make a diagnosis, preparing a treatment plan, and providing initial therapy including microbial sampling and chemotherapeutics; rationale for initial therapy including elimination of local factors, occlusal correction, provisional splinting, 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, osseous resection, gingival augmentation, regenerative therapy, and dental implants. (30 hours lecture. Quarters 5-7.)

PR 251. Periodontics. 2 Units.

Introduction to basic rationale for periodontal surgery; techniques employed in surgical periodontics including scientific basis for surgical technique, specific indications/contraindications, and sequence in healing following gingival surgery, osseous resection, gingival augmentation, regenerative therapy, and dental implants. (20 hours lecture. IDS Quarters 2-3.)

PR 256. Clinical Periodontics I. 3 or 6 Units.

Study of periodontal examination, diagnosis, treatment planning, nonsurgical therapy, periodontal re-evaluation, periodontal surgery, and supportive periodontal therapy in comprehensive clinical dental practice. (Quarters 5-8.)

PR 356. Clinical Periodontics II. 4 Units.

Study of periodontal examination, diagnosis, treatment planning, nonsurgical therapy, periodontal re-evaluation, periodontal surgery, and supportive periodontal therapy in comprehensive clinical dental practice. (Quarters 9-12.)

Administration

Faculty

Roy C. Bergstrom

Associate Professor of Administration

BA, Knox College, Mathematics, 1973

AM, University of Illinois, Mathematics, 1975

PhD, University of Illinois, Mathematics, 1980

MBA, University of the Pacific, Business Administration, 1999

Patrick J. Ferrillo

Professor of Administration

BS, Georgetown University, Washington D.C., Biology, 1973

DDS, Baylor College of Dentistry, Dallas, TX, Dentistry, 1976

Baylor College, Dallas, TX, Advanced Education Program in Endodontics, 1978

Veteran's Hospital, Dallas, TX, Dentistry, 1978

Richard E. Fredekind

Professor of Administration

B.S., University of Idaho, 1976

D.M.D., Tufts University School of Dental Medicine, 1979

Cert., Highland General Hospital, General Practice, 1980

M.A., University of the Pacific, Educational and Counseling Psychology, 1994

Nader A. Nadershahi

Professor of Administration

University of California, Berkeley, Biology/Art, 1991

DDS, University of the Pacific, Dentistry, 1994

Palo Alto Veterans Administration Hospital, Hospital Dentistry, 1995

MBA, University of the Pacific, Business, 1999

EdD, University of the Pacific, Education and Leadership, 2011

Craig S. Yarborough

Associate Professor of Administration

BS, University of the Pacific, Biology, 1977

DDS, University of the Pacific, 1980

MBA, University of the Pacific, Business Administration, 1999

IDS TWENTY-FOUR MONTH DOCTORAL PROGRAM OVERVIEW

First Year

Quarter 1

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|---|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 8-9 | Examination Hour | Periodontics and Periodic Diseases | | | Removable Prosthodontics |
| 9-10 | | | Principles of Restorative Dentistry | Principles of Restorative Dentistry | Removable Prosthodontics |
| 10-11 | Dental Radiographic Technique | Principles of Restorative Dentistry | Principles of Restorative Dentistry | Principles of Restorative Dentistry | Removable Prosthodontics (partial dentures) |
| 11-12 | | | | | Removable Prosthodontics (complete dentures) |
| 12-1 | | | | | Removable Prosthodontics (complete dentures) Laboratory |
| 1-2 | | | | | |
| 2-3 | Ethics and Exploration of Basic Cultural Issues | Periodontics and Periodic Diseases | Principles of Restorative Dentistry | Principles of Restorative Dentistry | Preclinical Prosthodontics (partial dentures) Laboratory |
| 3-4 | | | | | |
| 4-5 | | | | | |

Quarter 2

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|---|---|---|---|---|
| 8-9 | Examination Hour | Periodontics | | Pharmacology | Removable Prosthodontics (complete dentures) |
| 9-10 | Orientation to Comprehensive Patient Care Clinic* (Lecture and Lab) | Complex Issues in Restorative Dentistry | Complex Issues in Restorative Dentistry | Complex Issues in Restorative Dentistry | Preclinical Prosthodontics (complete dentures) Laboratory |
| 10-11 | | | | | Preclinical Prosthodontics (complete dentures) Laboratory |
| 11-12 | | | | | Preclinical Prosthodontics (complete dentures) Laboratory |
| 12-1 | | | | | Preclinical Prosthodontics (complete dentures) Laboratory |
| 1-2 | | | | | Preclinical Prosthodontics (complete dentures) Laboratory |
| 2-3 | Orientation to Comprehensive Patient Care Clinic* (Lecture and Lab) | Complex Issues in Restorative Dentistry | Complex Issues in Restorative Dentistry | Complex Issues in Restorative Dentistry | Preclinical Prosthodontics (complete dentures) Laboratory |
| 3-4 | | | | | Preclinical Prosthodontics (complete dentures) Laboratory |
| 4-5 | | | | | Preclinical Prosthodontics (complete dentures) Laboratory |

* Practice Management meets 9-11am for 5 weeks this quarter.

Quarter 3

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|--|--|--|--|---|
| 8-9 | Endodontics (5 weeks) | Examination Hour | Pharmacology | Adv Tech in Restorative Dentistry | Removable Prosthodontics (complete dentures) |
| 9-10 | Periodontics (3 weeks) | Periodontics | Pharmacology | Pharmacology | Removable Prosthodontics (complete dentures) |
| 10-11 | | Advanced Tech in Restorative Dentistry | Advanced Tech in Restorative Dentistry | Advanced Tech in Restorative Dentistry | Clinical Practice |
| 11-12 | Clinical Practice | Advanced Tech in Restorative Dentistry | Advanced Tech in Restorative Dentistry | Advanced Tech in Restorative Dentistry | Clinical Practice |
| 12-1 | | | | | Clinical Practice |
| 1-2 | | | | | |
| 2-3 | Human Growth and Development (1 week), Periodontics (1 week), Periodontics (1 week), Periodontics (1 week) | Human Growth and Development (1 week), Periodontics (1 week), Periodontics (1 week), Periodontics (1 week) | Advanced Tech in Restorative Dentistry | Advanced Tech in Restorative Dentistry | Preclinical Prosthodontics (complete dentures) Laboratory |
| 3-4 | Preclinical Endodontics | | | | |
| 4-5 | | | | | |

Quarter 4

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|--|--|---|---|-------------------|
| 8-9 | Examination Hour | Pharmacology | Dental Implants | Pharmacology | Orthodontics |
| 9-10 | ICS II Seminar | Pharmacology | Clin. Applications in Restorative Dentistry | Clin. Applications in Restorative Dentistry | |
| 10-11 | | Clinical Practice | Guided Clinical Practice | Clinical Practice | Oral Pathology |
| 11-12 | | | | | |
| 12-1 | | | | | |
| 1-2 | | | | | |
| 2-3 | Integrated Clinical Sciences II: Advanced Foundational Knowledge Seminar | Integrated Clinical Sciences II: Advanced Foundational Knowledge Seminar | Guided Clinical Practice | Clin. Applications in Restorative Dentistry | Clinical Practice |
| 3-4 | | | | | |
| 4-5 | | | | | |

Second Year

Quarter 5

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|--------------------------------|-------------------|-------------------|---|---------------------------|
| 8-9 | Examination Hour | | | | |
| 9-10 | Clinical Care of Complex Needs | | | | |
| 10-11 | Oral Pathology | Clinical Practice | Clinical Practice | Integrated Clinical Sciences III: Case Based Seminars | Clinical Practice |
| 11-12 | Group Practice Meetings | | | | |
| 12-1 | | | | | |
| 1-2 | | | | | |
| 2-3 | Clinical Practice | Clinical Practice | Clinical Practice | Clinical Practice | Clinical Practice |
| 3-4 | | | | | |
| 4-5 | Evening Clinic 6-8:30 pm. | | | | Evening Clinic 6-8:30 pm. |

Quarter 6

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|--------------------------------|-------------------|-------------------|---|---------------------------|
| 8-9 | Examination Hour | | | | |
| 9-10 | Clinical Care of Complex Needs | | | | |
| 10-11 | Jurisprudence | Clinical Practice | Clinical Practice | Integrated Clinical Multidisciplinary Case Based Seminars | Clinical Practice |
| 11-12 | Differential Diagnosis | | | | |
| 12-1 | | | | | |
| 1-2 | | | | | |
| 2-3 | Clinical Practice | Clinical Practice | Clinical Practice | Clinical Practice | Clinical Practice |
| 3-4 | | | | | |
| 4-5 | Evening Clinic 6-8:30 pm. | | | | Evening Clinic 6-8:30 pm. |

Quarter 7

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|----------------------------------|-------------------|-------------------|---|---------------------------|
| 8-9 | Examination Hour | | | | |
| 9-10 | Practice Management III | | | | |
| 10-11 | | Clinical Practice | Clinical Practice | Integrated Clinical Multidisciplinary Case Based Seminars | Clinical Practice |
| 11-12 | | | | | |
| 12-1 | Examination Review Case Seminars | | | | |
| 1-2 | | | | | |
| 2-3 | Clinical Practice | Clinical Practice | Clinical Practice | Clinical Practice | Clinical Practice |
| 3-4 | | | | | |
| 4-5 | Evening Clinic 6-8:30 pm. | | | | Evening Clinic 6-8:30 pm. |

Quarter 8

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|-------|---------------------------------|-------------------|-------------------|-------------------|---------------------------|
| 8-9 | Examination Hour | | | | |
| 9-10 | Preparation for State Licensure | | | | |
| 10-11 | | Clinical Practice | Clinical Practice | Clinical Practice | Clinical Practice |
| 11-12 | Group Practice Meetings | | | | |
| 12-1 | | | | | |
| 1-2 | | | | | |
| 2-3 | Clinical Practice | Clinical Practice | Clinical Practice | Clinical Practice | Clinical Practice |
| 3-4 | | | | | |
| 4-5 | Evening Clinic 6-8:30 pm. | | | | Evening Clinic 6-8:30 pm. |

Distribution of Instruction

DDS

Year 1

Summer Quarter (1)

| | | Didactic Units | Lab/Clinic Units |
|----------------------|---|----------------|------------------|
| AN 110I | Human Anatomy I: Cells to Systems | 3 | 0 |
| BC 114I | Biochemistry | 3 | 0 |
| DP 101I | Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry | 2 | 0 |
| DP 106I | Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry Practicum | 0 | 1 |
| PG 120I | Physiology | 2 | 0 |
| RDS 125I | Integrated Preclinical Professional Competencies I | 0 | 1 |
| RDS 130I | Integrated Preclinical Concepts I | 4 | 0 |
| RDS 135I | Integrated Preclinical Technique I | 0 | 4 |
| Quarter Total | | 14 | 6 |

Autumn Quarter (2)

| | | | |
|----------------------|---|-----------|----------|
| AN 110 | Human Anatomy I: Cells to Systems | 3 | 0 |
| BC 114 | Biochemistry | 3 | 0 |
| DP 101I | Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry | 2 | 0 |
| DP 106I | Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry Practicum | 0 | 2 |
| DP 160I | Dental Radiology | 1 | 0 |
| PG 120I | Physiology | 3 | 0 |
| RDS 125 | Integrated Preclinical Professional Competencies I | 0 | 1 |
| RDS 131 | Integrated Preclinical Concepts II | 4 | 0 |
| RDS 135 | Integrated Preclinical Technique I | 0 | 5 |
| Quarter Total | | 16 | 8 |

Winter Quarter (3)

| | | | |
|----------------------|---|-----------|----------|
| AN 111 | Human Anatomy II: The Orofacial Complex | 6 | 0 |
| AN 112 | Topics in Oral Biology | 2 | 0 |
| DP 101 | Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry | 1 | 0 |
| DP 106I | Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry Practicum | 0 | 2 |
| DP 160 | Dental Radiology | 1 | 0 |
| EN 154 | Basic Endodontics | 1 | 0 |
| OR 144 | Human Growth and Development | 1 | 0 |
| PG 120 | Physiology | 2 | 0 |
| RDS 126I | IPT Prof Competencies II | 0 | 1 |
| RDS 132 | Integrated Preclinical Concepts III | 4 | 0 |
| RDS 136I | Int Preclin Tech II | 0 | 5 |
| Quarter Total | | 18 | 8 |

Spring Quarter (4)

| | | | |
|--------------------------------------|---|----------|----------|
| DP 106 | Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry Practicum | 0 | 7 |
| MC 224I | Microbiology | 2 | 0 |
| OR 244I | Orthodontics | 1 | 0 |
| PR 150 | Periodontal Diseases | 1 | 0 |
| RDS 126 | Integrated Preclinical Professional Competencies II | 0 | 3 |
| RDS 133 | Integrated Preclinical Concepts IV | 1 | 0 |
| RDS 136 | Integrated Preclinical Technique II | 0 | 4 |
| Supplemental & selective instruction | | variable | variable |
| Block Rotations: | | | |
| DP 166 | Dental Radiographic Technique | 0 | 1 |

| | | | |
|---------------------------|--|-----------|-----------|
| EN 159 | Preclinical Endodontics | 0 | 2 |
| OS 139 | Preclinical Multidisciplinary Surgery | 0 | 1 |
| PR 156 | Preclinical Periodontics | 0 | 1 |
| RDS 137 | Local Anesthesia | 0 | 2 |
| RDS 138 | Advanced Restorative Technique | 0 | 1 |
| RDS 139 | Clinical Transitions | 1 | |
| | Quarter Total | 6 | 22 |
| Year Total: | | 54 | 44 |
| Year 2 | | | |
| Summer Quarter (5) | | | |
| DP 200I | Practice Management I | 0 | 0 |
| DP 201I | Integrated Clinical Sciences II: Application of Foundational Knowledge | 1 | 0 |
| DP 216I | Patient Management and Productivity I | 0 | 1 |
| DP 218I | Clinical Oral Diagnosis and Treatment Planning | 0 | 1 |
| DP 219I | Clinical Management and Judgment I | 0 | 1 |
| DP 266I | Clinical Radiology | 0 | 1 |
| EN 259I | Clinical Endodontics | 0 | 1 |
| MC 224 | Microbiology | 4 | 0 |
| OR 244 | Orthodontics | 1 | 0 |
| OS 239I | Clinical Oral and Maxillofacial Surgery I | 0 | 0 |
| PA 230I | General Pathology | 4 | 0 |
| PD 240I | Pediatric Dentistry | 1 | 0 |
| PR 250I | Periodontics | 1 | 0 |
| PR 256I | Clinical Periodontics I | 0 | 1 |
| RDS 277I | Local Anesthesia | 0 | 0 |
| RDS 279I | Clinical Restorative Dentistry I | 0 | 1 |
| RDS 280I | Occlusion | 2 | 0 |
| RDS 290I | Preclinical Removable Prosthodontics: Complete Dentures Lecture | 1 | 0 |
| RDS 296I | Preclinical Removable Prosthodontics: Complete Dentures Lab | 0 | 3 |
| | Quarter Total | 15 | 10 |
| Autumn Quarter (6) | | | |
| DP 200 | Practice Management I | 1 | 0 |
| DP 201I | Integrated Clinical Sciences II: Application of Foundational Knowledge | 4 | 0 |
| DP 216I | Patient Management and Productivity I | 0 | 1 |
| DP 218I | Clinical Oral Diagnosis and Treatment Planning | 0 | 1 |
| DP 219I | Clinical Management and Judgment I | 0 | 1 |
| DP 266I | Clinical Radiology | 0 | 0 |
| EN 259I | Clinical Endodontics | 0 | 1 |
| OS 239I | Clinical Oral and Maxillofacial Surgery I | 0 | 0 |
| PA 230 | General Pathology | 2 | 0 |
| PD 240 | Pediatric Dentistry | 1 | 0 |
| PD 346I | Dental Auxiliary Utilization | 0 | 0 |
| PD 347I | Clinical Pediatric Dentistry | 0 | 0 |
| PG 220I | Pharmacology and Therapeutics | 1 | 0 |
| PR 250I | Periodontics | 1 | 0 |
| PR 256I | Clinical Periodontics I | 0 | 1 |
| RDS 277I | Local Anesthesia | 0 | 0 |
| RDS 279I | Clinical Restorative Dentistry I | 0 | 1 |
| RDS 280 | Occlusion | 3 | 0 |
| RDS 290 | Preclinical Removable Prosthodontics: Complete Dentures Lecture | 2 | 0 |
| RDS 296 | Preclinical Removable Prosthodontics: Complete Dentures Lab | 0 | 2 |
| | Quarter Total | 15 | 8 |
| Winter Quarter (7) | | | |
| DP 201 | Integrated Clinical Sciences II: Application of Foundational Knowledge | 5 | 0 |
| DP 216I | Patient Management and Productivity I | 0 | 1 |
| DP 218I | Clinical Oral Diagnosis and Treatment Planning | 0 | 1 |

| | | | |
|----------------------------|--|-----------|-----------|
| DP 219I | Clinical Management and Judgment I | 0 | 1 |
| DP 266I | Clinical Radiology | 0 | 1 |
| EN 254 | Endodontics | 1 | 0 |
| EN 259I | Clinical Endodontics | 0 | 1 |
| OS 239I | Clinical Oral and Maxillofacial Surgery I | 0 | 0 |
| PA 330I | Oral Pathology | 1 | 0 |
| PD 346I | Dental Auxiliary Utilization | 0 | 0 |
| PD 347I | Clinical Pediatric Dentistry | 0 | 0 |
| PG 220I | Pharmacology and Therapeutics | 2 | 0 |
| PR 250 | Periodontics | 1 | 0 |
| PR 256I | Clinical Periodontics I | 0 | 1 |
| RDS 277 | Local Anesthesia | 0 | 1 |
| RDS 279I | Clinical Restorative Dentistry I | 0 | 3 |
| RDS 291 | Preclinical Removable Prosthodontics: Removable Partial Dentures Lecture | 2 | 0 |
| RDS 297 | Preclinical Removable Prosthodontics: Removable Partial Dentures Lab | 0 | 2 |
| Quarter Total | | 12 | 12 |
| Spring Quarter (8) | | | |
| DP 202 | Integrated Clinical Sciences II: Application of Foundational Knowledge | 7 | 0 |
| DP 216 | Patient Management and Productivity I | 0 | 1 |
| DP 218 | Clinical Oral Diagnosis and Treatment Planning | 0 | 1 |
| DP 219 | Clinical Management and Judgment I | 0 | 1 |
| DP 266 | Clinical Radiology | 0 | 0 |
| EN 259 | Clinical Endodontics I | 0 | 1 |
| OR 249 | Preclinical Orthodontics | 0 | 1 |
| OS 239 | Clinical Oral and Maxillofacial Surgery I | 0 | 1 |
| PA 330I | Oral Pathology | 2 | 0 |
| PD 346I | Dental Auxiliary Utilization | 0 | 0 |
| PD 347I | Clinical Pediatric Dentistry | 0 | 0 |
| PG 220 | Pharmacology and Therapeutics | 3 | 0 |
| PR 256 | Clinical Periodontics I | 0 | 2 |
| RDS 279 | Clinical Restorative Dentistry I | 0 | 1 |
| RDS 281 | Dental Implants | 1 | 0 |
| Quarter Total | | 13 | 9 |
| Year Total: | | 55 | 39 |
| Year 3 | | | |
| Summer Quarter (9) | | | |
| DP 302I | Clinical Care of Complex Needs Patients | 1 | 0 |
| DP 303I | Integrated Clinical Sciences III: Multidisciplinary Case Based Seminars | 2 | 0 |
| DP 307I | Extramural Patient Care | 0 | 1 |
| DP 316I | Patient Management and Productivity II | 0 | 2 |
| DP 318I | Clinical Management and Judgment II | 0 | 2 |
| DP 368I | Emergency Clinic | 0 | 1 |
| EN 359I | Clinical Endodontics II | 0 | 2 |
| OR 348I | Applied Orthodontics | 0 | 1 |
| OS 339I | Clinical Oral and Maxillofacial Surgery II | 0 | 0 |
| PA 330 | Oral Pathology | 2 | 0 |
| PD 346I | Dental Auxiliary Utilization | 0 | 0 |
| PD 347I | Clinical Pediatric Dentistry | 0 | 0 |
| PR 356I | Clinical Periodontics II | 0 | 1 |
| RDS 378I | Clinical Restorative Dentistry II | 0 | 5 |
| RDS 396I | Clinical Removable Prosthodontics | 0 | 2 |
| Quarter Total | | 5 | 17 |
| Autumn Quarter (10) | | | |
| DP 301 | Jurisprudence | 1 | 0 |
| DP 302I | Clinical Care of Complex Needs Patients | 1 | 0 |
| DP 303I | Integrated Clinical Sciences III: Multidisciplinary Case Based Seminars | 2 | 0 |

| | | | |
|----------------------------|---|----------|-----------|
| DP 307I | Extramural Patient Care | 0 | 1 |
| DP 316 | Patient Management and Productivity II | 0 | 2 |
| DP 318 | Clinical Management and Judgment II | 0 | 2 |
| DP 368I | Emergency Clinic | 0 | 1 |
| EN 359I | Clinical Endodontics II | 0 | 2 |
| OR 348 | Applied Orthodontics | 0 | 1 |
| OS 339I | Clinical Oral and Maxillofacial Surgery II | 0 | 0 |
| PA 331 | Differential Diagnosis of Oral and Maxillofacial Lesions | 2 | 0 |
| PD 346 | Dental Auxiliary Utilization | 0 | 2 |
| PD 347 | Clinical Pediatric Dentistry | 0 | 4 |
| PR 356I | Clinical Periodontics II | 0 | 1 |
| RDS 378 | Clinical Restorative Dentistry II | 0 | 6 |
| RDS 396I | Clinical Removable Prosthodontics | 0 | 3 |
| | Quarter Total | 6 | 25 |
| Winter Quarter (11) | | | |
| DP 300 | Practice Management | 3 | 0 |
| DP 302 | Clinical Care of Complex Needs Patients | 2 | 0 |
| DP 303 | Integrated Clinical Sciences III: Multidisciplinary Case Based Seminars | 2 | 0 |
| DP 307I | Extramural Patient Care | 0 | 1 |
| DP 317I | Patient Management and Productivity III | 0 | 2 |
| DP 319I | Clinical Management and Judgment III | 0 | 2 |
| DP 368I | Emergency Clinic | 0 | 1 |
| EN 359I | Clinical Endodontics II | 0 | 2 |
| OS 339I | Clinical Oral and Maxillofacial Surgery II | 0 | 0 |
| PR 356I | Clinical Periodontics II | 0 | 1 |
| RDS 379I | Clin Rest Dent III | 0 | 2 |
| RDS 396I | Clinical Removable Prosthodontics | 0 | 6 |
| | Quarter Total | 7 | 17 |
| Spring Quarter (12) | | | |
| DP 307 | Extramural Patient Care | 0 | 1 |
| DP 317 | Patient Management and Productivity III | 0 | 2 |
| DP 319 | Clinical Management and Judgment III | 0 | 2 |
| DP 368 | Emergency Clinic | 0 | 0 |
| EN 359 | Clinical Endodontics II | 0 | 1 |
| OS 339 | Clinical Oral and Maxillofacial Surgery II | 0 | 2 |
| PR 356 | Clinical Periodontics II | 0 | 1 |
| RDS 379 | Clinical Restorative Dentistry III | 0 | 6 |
| RDS 396 | Clinical Removable Prosthodontics | 0 | 3 |
| | Quarter Total | 0 | 18 |
| Year Total: | | 18 | 77 |
| Program Total: | | 127 | 160 |

IDS

Year 1

| | | Didactic Units | Lab/Clinic Units |
|---------------------------|---|----------------|------------------|
| Summer Quarter (1) | | | |
| DP 100 | Ethics and Exploration of Basic Cultural Issues | 3 | 0 |
| DP 166 | Dental Radiographic Technique | 0 | 2 |
| PD 240I | Pediatric Dentistry | 1 | 0 |
| PR 151 | Periodontics & Periodontal Diseases | 2 | 0 |
| RDS 173 | Principles of Restorative Dentistry Lecture | 6 | 0 |
| RDS 175 | Principles of Restorative Dentistry Lab | 0 | 6 |
| RDS 290I | Preclinical Removable Prosthodontics: Complete Dentures Lecture | 1 | 0 |
| RDS 296I | Preclinical Removable Prosthodontics: Complete Dentures Lab | 0 | 3 |
| Quarter Total | | 13 | 11 |
| Autumn Quarter (2) | | | |
| DP 107 | Integrated Clinical Sciences I: Orientation to the Clinical Practice of General Dentistry Practicum | 0 | 2 |
| DP 200 | Practice Management I | 1 | 0 |
| EN 154 | Basic Endodontics | 1 | 0 |
| PD 240 | Pediatric Dentistry | 1 | 0 |
| PG 220I | Pharmacology and Therapeutics | 1 | 0 |
| PR 251I | Periodontics | 2 | 0 |
| RDS 137 | Local Anesthesia | 0 | 2 |
| RDS 174 | Complex Issues in Restorative Dentistry Lecture | 4 | 0 |
| RDS 179 | Complex Issues in Restorative Dentistry Lab | 0 | 6 |
| RDS 290 | Preclinical Removable Prosthodontics: Complete Dentures Lecture | 2 | 0 |
| RDS 296 | Preclinical Removable Prosthodontics: Complete Dentures Lab | 0 | 2 |
| Quarter Total | | 12 | 12 |
| Winter Quarter (3) | | | |
| DP 216I | Patient Management and Productivity I | 0 | 1 |
| DP 218I | Clinical Oral Diagnosis and Treatment Planning | 0 | 1 |
| DP 219I | Clinical Management and Judgment I | 0 | 1 |
| EN 159 | Preclinical Endodontics | 0 | 2 |
| EN 254 | Endodontics | 1 | 0 |
| OR 144 | Human Growth and Development | 1 | 0 |
| OS 139 | Preclinical Multidisciplinary Surgery | 0 | 2 |
| PD 146 | Preclinical Pediatric Dentistry | 0 | 1 |
| PG 220I | Pharmacology and Therapeutics | 2 | 0 |
| PR 251 | Periodontics | 1 | 0 |
| PR 256I | Clinical Periodontics I | 0 | 1 |
| RDS 183 | Advanced Techniques in Restorative Dentistry Lecture | 5 | 0 |
| RDS 185 | Advanced Techniques in Restorative Dentistry Lab | 0 | 4 |
| RDS 277 | Local Anesthesia | 0 | 1 |
| RDS 279I | Clinical Restorative Dentistry I | 0 | 1 |
| RDS 291 | Preclinical Removable Prosthodontics: Removable Partial Dentures Lecture | 2 | 0 |
| RDS 297 | Preclinical Removable Prosthodontics: Removable Partial Dentures Lab | 0 | 2 |
| Quarter Total | | 12 | 17 |
| Spring Quarter (4) | | | |
| DP 202 | Integrated Clinical Sciences II: Application of Foundational Knowledge | 2 | 0 |
| DP 216 | Patient Management and Productivity I | 0 | 1 |
| DP 218 | Clinical Oral Diagnosis and Treatment Planning | 0 | 1 |
| DP 219 | Clinical Management and Judgment I | 0 | 1 |
| EN 259 | Clinical Endodontics I | 0 | 2 |
| OR 244I | Orthodontics | 1 | 0 |
| OR 249 | Preclinical Orthodontics | 0 | 1 |
| PA 330I | Oral Pathology | 3 | 0 |
| PG 220 | Pharmacology and Therapeutics | 3 | 0 |
| PR 256 | Clinical Periodontics I | 0 | 1 |

| | | | |
|---------------------------|---|-----------|-----------|
| RDS 184 | Clinical Applications in Restorative Dentistry Lecture | 3 | 0 |
| RDS 189 | Clinical Applications in Restorative Dentistry Lab | 0 | 5 |
| RDS 279 | Clinical Restorative Dentistry I | 0 | 2 |
| RDS 281 | Dental Implants | 1 | 0 |
| | Quarter Total | 13 | 14 |
| Year Total: | | 50 | 54 |
| Year 2 | | | |
| Summer Quarter (5) | | | |
| DP 266I | Clinical Radiology | 0 | 1 |
| DP 302I | Clinical Care of Complex Needs Patients | 1 | 0 |
| DP 303I | Integrated Clinical Sciences III: Multidisciplinary Case Based Seminars | 2 | 0 |
| DP 307I | Extramural Patient Care | 0 | 1 |
| DP 316I | Patient Management and Productivity II | 0 | 2 |
| DP 318I | Clinical Management and Judgment II | 0 | 2 |
| DP 368I | Emergency Clinic | 0 | 1 |
| EN 359I | Clinical Endodontics II | 0 | 2 |
| OR 244 | Orthodontics | 1 | 0 |
| OR 348I | Applied Orthodontics | 0 | 1 |
| OS 339I | Clinical Oral and Maxillofacial Surgery II | 0 | 0 |
| PA 330 | Oral Pathology | 2 | 0 |
| PR 356I | Clinical Periodontics II | 0 | 1 |
| RDS 378I | Clinical Restorative Dentistry II | 0 | 5 |
| RDS 396I | Clinical Removable Prosthodontics | 0 | 2 |
| | Quarter Total | 6 | 18 |
| Autumn Quarter (6) | | | |
| DP 266I | Clinical Radiology | 0 | 1 |
| DP 301 | Jurisprudence | 1 | 0 |
| DP 302I | Clinical Care of Complex Needs Patients | 1 | 0 |
| DP 303I | Integrated Clinical Sciences III: Multidisciplinary Case Based Seminars | 2 | 0 |
| DP 307I | Extramural Patient Care | 0 | 1 |
| DP 316 | Patient Management and Productivity II | 0 | 2 |
| DP 318 | Clinical Management and Judgment II | 0 | 2 |
| DP 368I | Emergency Clinic | 0 | 1 |
| EN 359I | Clinical Endodontics II | 0 | 2 |
| OR 348 | Applied Orthodontics | 0 | 1 |
| OS 339I | Clinical Oral and Maxillofacial Surgery II | 0 | 0 |
| PA 331 | Differential Diagnosis of Oral and Maxillofacial Lesions | 2 | 0 |
| PD 346 | Dental Auxiliary Utilization | 0 | 2 |
| PD 347 | Clinical Pediatric Dentistry | 0 | 2 |
| PR 356I | Clinical Periodontics II | 0 | 1 |
| RDS 378 | Clinical Restorative Dentistry II | 0 | 6 |
| RDS 396I | Clinical Removable Prosthodontics | 0 | 3 |
| | Quarter Total | 6 | 24 |
| Winter Quarter (7) | | | |
| DP 266I | Clinical Radiology | 0 | 1 |
| DP 300 | Practice Management | 3 | 0 |
| DP 302 | Clinical Care of Complex Needs Patients | 2 | 0 |
| DP 303 | Integrated Clinical Sciences III: Multidisciplinary Case Based Seminars | 2 | 0 |
| DP 307I | Extramural Patient Care | 0 | 1 |
| DP 317I | Patient Management and Productivity III | 0 | 2 |
| DP 319I | Clinical Management and Judgment III | 0 | 2 |
| DP 368I | Emergency Clinic | 0 | 1 |
| EN 359I | Clinical Endodontics II | 0 | 2 |
| OS 339I | Clinical Oral and Maxillofacial Surgery II | 0 | 0 |
| PR 356I | Clinical Periodontics II | 0 | 1 |
| RDS 379I | Clin Rest Dent III | 0 | 1 |

| | | | |
|---------------------------|--|----------|-----------|
| RDS 396I | Clinical Removable Prosthodontics | 0 | 6 |
| | Quarter Total | 7 | 17 |
| Spring Quarter (8) | | | |
| DP 266 | Clinical Radiology | 0 | 1 |
| DP 307 | Extramural Patient Care | 0 | 1 |
| DP 317 | Patient Management and Productivity III | 0 | 2 |
| DP 319 | Clinical Management and Judgment III | 0 | 2 |
| DP 368 | Emergency Clinic | 0 | 0 |
| EN 359 | Clinical Endodontics II | 0 | 1 |
| OS 339 | Clinical Oral and Maxillofacial Surgery II | 0 | 2 |
| PR 356 | Clinical Periodontics II | 0 | 1 |
| RDS 379 | Clinical Restorative Dentistry III | 0 | 6 |
| RDS 396 | Clinical Removable Prosthodontics | 0 | 3 |
| | Quarter Total | 0 | 19 |
| Year Total: | | 19 | 78 |
| Program Total: | | 69 | 132 |

Orthodontics Graduate Program

Year 1

| | | Didactic Units | Lab/Clinic Units |
|---------------------------|---|----------------|------------------|
| Summer Quarter (1) | | | |
| OR 4011 | Cephalometrics | 2 | 0 |
| OR 404I | Research Practicum and Thesis I | 1 | 0 |
| OR 410I | Biomechanics | 1 | 0 |
| OR 411I | Craniofacial Biology and Genetics | 2 | 0 |
| OR 413I | Cleft Medical Missions Seminar | 1 | 0 |
| OR 414I | Introduction to Contemporary Orthodontics | 2 | 0 |
| OR 421I | Current Literature Seminar I | 1 | 0 |
| OR 422 | Anatomy | 1 | 0 |
| OR 423I | Comprehensive Case Analysis Seminar I | 1 | 0 |
| OR 424I | Treatment Planning Seminar I | 1 | 0 |
| OR 426I | Principles of Orthodontic Technique | 0 | 2 |
| OR 430I | Surgical-Orthodontic Treatment | 1 | 0 |
| OR 431I | Orthognathic Surgery Seminar I | 1 | 0 |
| OR 432I | Multidisciplinary Seminar I | 1 | 0 |
| OR 434 | Introduction to Invisalign | 1 | 0 |
| OR 456I | Clinical Orthodontics I | 0 | 7 |
| OR 457I | Mixed Dentition Orthodontics I | 0 | 2 |
| OR 458I | Surgical Orthodontics I | 0 | 0 |
| OR 459I | Clinical Orthodontics in Craniofacial Anomalies | 0 | 0 |
| Quarter Total | | 17 | 11 |
| Autumn Quarter (2) | | | |
| OR 401 | Cephalometrics | 2 | 0 |
| OR 403I | Critical Thinking | 1 | 0 |
| OR 404I | Research Practicum and Thesis I | 1 | 0 |
| OR 410I | Biomechanics | 2 | 0 |
| OR 411I | Craniofacial Biology and Genetics | 2 | 0 |
| OR 413 | Cleft Medical Missions Seminar | 1 | 0 |
| OR 414I | Introduction to Contemporary Orthodontics | 1 | 0 |
| OR 421I | Current Literature Seminar I | 1 | 0 |
| OR 423I | Comprehensive Case Analysis Seminar I | 1 | 0 |
| OR 424I | Treatment Planning Seminar I | 1 | 0 |
| OR 426 | Principles of Orthodontic Technique | 0 | 3 |
| OR 430I | Surgical-Orthodontic Treatment | 2 | 0 |
| OR 431I | Orthognathic Surgery Seminar I | 1 | 0 |
| OR 432I | Multidisciplinary Seminar I | 1 | 0 |
| OR 456I | Clinical Orthodontics I | 0 | 7 |
| OR 457I | Mixed Dentition Orthodontics I | 0 | 2 |
| OR 458I | Surgical Orthodontics I | 0 | 1 |
| OR 459I | Clinical Orthodontics in Craniofacial Anomalies | 0 | 1 |
| Quarter Total | | 17 | 14 |
| Winter Quarter (3) | | | |
| OR 402I | Facial Growth | 2 | 0 |
| OR 403I | Critical Thinking | 1 | 0 |
| OR 404I | Research Practicum and Thesis I | 1 | 0 |
| OR 410I | Biomechanics | 2 | 0 |
| OR 411 | Craniofacial Biology & Genetics | 2 | 0 |
| OR 414I | Introduction to Contemporary Orthodontics | 1 | 0 |
| OR 421I | Current Literature Seminar I | 1 | 0 |
| OR 423I | Comprehensive Case Analysis Seminar I | 1 | 0 |
| OR 424I | Treatment Planning Seminar I | 1 | 0 |
| OR 430I | Surgical-Orthodontic Treatment | 2 | 0 |
| OR 431I | Orthognathic Surgery Seminar I | 1 | 0 |
| OR 432I | Multidisciplinary Seminar I | 1 | 0 |

| | | | |
|---------------------------|--|-----------|-----------|
| OR 456I | Clinical Orthodontics I | 0 | 8 |
| OR 457I | Mixed Dentition Orthodontics I | 0 | 2 |
| OR 458I | Surgical Orthodontics I | 0 | 0 |
| OR 459I | Clinical Orthodontics in Craniofacial Anomalies | 0 | 0 |
| Quarter Total | | 16 | 10 |
| Spring Quarter (4) | | | |
| OR 402 | Facial Growth | 2 | 0 |
| OR 403 | Critical Thinking | 1 | 0 |
| OR 404 | Research Practicum and Thesis I | 1 | 0 |
| OR 410 | Biomechanics | 2 | 0 |
| OR 412 | Cleft Lip & Palate/Craniofacial Anomalies | 2 | 0 |
| OR 414 | Introduction to Contemporary Orthodontics | 1 | 0 |
| OR 420 | Bone Biology | 1 | 0 |
| OR 421 | Current Literature Seminar I | 1 | 0 |
| OR 423 | Comprehensive Case Analysis Seminar I | 1 | 0 |
| OR 424 | Treatment Planning Seminar I | 1 | 0 |
| OR 430 | Surgical-Orthodontic Treatment | 1 | 0 |
| OR 431 | Orthognathic Surgery Seminar I | 1 | 0 |
| OR 432 | Multidisciplinary Seminar I | 1 | 0 |
| OR 433 | Retention Seminar I | 1 | 0 |
| OR 456 | Clinical Orthodontics I | 0 | 8 |
| OR 457 | Mixed Dentition Orthodontics I | 0 | 2 |
| OR 458 | Surgical Orthodontics I | 0 | 1 |
| OR 459 | Clinical Orthodontics in Craniofacial Anomalies I | 0 | 1 |
| Quarter Total | | 17 | 12 |
| Year Total: | | 67 | 47 |
| Year 2 | | | |
| Summer Quarter (5) | | | |
| OR 501I | Principles of Orthodontics | 2 | 0 |
| OR 502I | Microimplant & Bone Biology I | 2 | 0 |
| OR 503I | Research Design I | 1 | 0 |
| OR 504I | Research Practicum and Thesis II | 1 | 0 |
| OR 510I | Periodontic-Orthodontic Relations | 2 | 0 |
| OR 513 | TMD & Orthodontics | 1 | 0 |
| OR 521I | Current Literature Seminar II | 1 | 0 |
| OR 523I | Comprehensive Case Analysis Seminar II | 1 | 0 |
| OR 524I | Treatment Planning Seminar II | 1 | 0 |
| OR 531I | Orthognathic Surgery Seminar II | 1 | 0 |
| OR 532I | Multidisciplinary Seminar II | 1 | 0 |
| OR 556I | Clinical Orthodontics II | 0 | 10 |
| OR 557I | Mixed Dentition Orthodontics II | 0 | 2 |
| OR 558I | Surgical Orthodontics II | 0 | 0 |
| OR 559I | Clinical Orthodontics in Craniofacial Anomalies II | 0 | 0 |
| Quarter Total | | 14 | 12 |
| Autumn Quarter (6) | | | |
| OR 501I | Principles of Orthodontics | 2 | 0 |
| OR 502I | Microimplant & Bone Biology I | 2 | 0 |
| OR 503I | Research Design I | 1 | 0 |
| OR 504I | Research Practicum and Thesis II | 1 | 0 |
| OR 510I | Periodontic-Orthodontic Relations | 2 | 0 |
| OR 511I | Practice Management I | 1 | 0 |
| OR 521I | Current Literature Seminar II | 1 | 0 |
| OR 523I | Comprehensive Case Analysis Seminar II | 1 | 0 |
| OR 524I | Treatment Planning Seminar II | 1 | 0 |
| OR 531I | Orthognathic Surgery Seminar II | 1 | 0 |
| OR 532I | Multidisciplinary Seminar II | 1 | 0 |

| | | | |
|---------------------------|--|-----------|-----------|
| OR 556I | Clinical Orthodontics II | 0 | 10 |
| OR 557I | Mixed Dentition Orthodontics II | 0 | 2 |
| OR 558I | Surgical Orthodontics II | 0 | 1 |
| OR 559I | Clinical Orthodontics in Craniofacial Anomalies II | 0 | 1 |
| Quarter Total | | 14 | 14 |
| Winter Quarter (7) | | | |
| OR 501I | Principles of Orthodontics | 2 | 0 |
| OR 502 | Microimplant & Bone Biology I | 2 | 0 |
| OR 503I | Research Design I | 1 | 0 |
| OR 504I | Research Practicum and Thesis II | 1 | 0 |
| OR 510I | Periodontic-Orthodontic Relations | 2 | 0 |
| OR 511I | Practice Management I | 1 | 0 |
| OR 512 | Preparation for Specialty Examination | 1 | 0 |
| OR 521I | Current Literature Seminar II | 1 | 0 |
| OR 523I | Comprehensive Case Analysis Seminar II | 1 | 0 |
| OR 524I | Treatment Planning Seminar II | 1 | 0 |
| OR 531I | Orthognathic Surgery Seminar II | 1 | 0 |
| OR 532I | Multidisciplinary Seminar II | 1 | 0 |
| OR 556I | Clinical Orthodontics II | 0 | 10 |
| OR 557I | Mixed Dentition Orthodontics II | 0 | 2 |
| OR 558I | Surgical Orthodontics II | 0 | 0 |
| OR 559I | Clinical Orthodontics in Craniofacial Anomalies II | 0 | 0 |
| Quarter Total | | 15 | 12 |
| Spring Quarter (8) | | | |
| OR 501 | Principles of Orthodontics | 2 | 0 |
| OR 503 | Research Design I | 1 | 0 |
| OR 504 | Research Practicum and Thesis II | 1 | 0 |
| OR 510 | Periodontic-Orthodontic Relations | 2 | 0 |
| OR 511 | Practice Management I | 1 | 0 |
| OR 521 | Current Literature Seminar II | 1 | 0 |
| OR 523 | Comprehensive Case Analysis Seminar II | 1 | 0 |
| OR 524 | Treatment Planning Seminar II | 1 | 0 |
| OR 531 | Orthognathic Surgery Seminar II | 1 | 0 |
| OR 532 | Multidisciplinary Seminar II | 1 | 0 |
| OR 533 | Retention Seminar II | 1 | 0 |
| OR 556 | Clinical Orthodontics II | 0 | 10 |
| OR 557 | Mixed Dentition Orthodontics II | 0 | 2 |
| OR 558 | Surgical Orthodontics II | 0 | 1 |
| OR 559 | Clinical Orthodontics in Craniofacial Anomalies II | 0 | 1 |
| Quarter Total | | 13 | 14 |
| Year Total: | | 56 | 52 |
| Year 3 | | | |
| Summer Quarter (9) | | | |
| OR 601 | Temporomandibular Joint Disorders | 1 | 0 |
| OR 602 | Microimplant & Bone Biology II | 1 | 0 |
| OR 603 | Research Design II | 1 | 0 |
| OR 604 | Research Practicum and Thesis III | 6 | 0 |
| OR 611 | Practice Management II | 1 | 0 |
| OR 612 | Ethics | 1 | 0 |
| OR 613 | Orthodontics Speaker Series | 2 | 0 |
| OR 621 | Current Literature Seminar III | 1 | 0 |
| OR 623 | Comprehensive Case Analysis Seminar III | 1 | 0 |
| OR 624 | Treatment Planning Seminar III | 1 | 0 |
| OR 631 | Orthognathic Surgery Seminar III | 1 | 0 |
| OR 632 | Multidisciplinary Seminar III | 1 | 0 |
| OR 656 | Clinical Orthodontics III | 0 | 10 |

| | | | |
|----------------|---|-----------|-----------|
| OR 657 | Mixed Dentition Orthodontics III | 0 | 2 |
| OR 658 | Surgical Orthodontics III | 0 | 1 |
| OR 659 | Clinical Orthodontics in Craniofacial Anomalies III | 0 | 1 |
| | Quarter Total | 18 | 14 |
| Year Total: | | 18 | 14 |
| Program Total: | | 141 | 113 |

DDS Admissions Requirements

Doctor of Dental Studies Requirements

Details on admissions requirements for all programs offered at the school of dentistry are found here (http://dental.pacific.edu/Academic_Programs/Doctor_of_Dental_Surgery/DDS_Admissions_Requirements.html).

Bachelor of Arts in Applied Sciences

In conjunction with the School of Pharmacy and Health Sciences on the Stockton campus, students who matriculate at the School of Dentistry without a baccalaureate degree will be reviewed 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 and are eligible to receive the diploma upon successful completion of dental school.

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.

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.

Tuition and Fees

Please click here (http://dental.pacific.edu/Academic_Programs/Doctor_of_Dental_Surgery/Tuition_and_Fees.html) for information about tuition and fees.

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 or 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, for reasons 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.

Equal Educational Opportunity

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.

See also:

For all other school policies, please refer to the Policies and Procedures page (http://dental.pacific.edu/Human_Resources/Employee_Resources/Policies_and_Procedures.html).

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.

Policy on Accommodations for Students with Disabilities

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 Assistant Dean 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 Assistant Dean of Academic Affairs. Accommodation determinations should not be made without consultation and written determination of the assistant dean.

Students and residents who seek academic accommodations are expected to contact the Assistant Dean 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.

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 Assistant Dean 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 Assistant Dean 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 Assistant Dean 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 assistant dean 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 student, resident, or applicant will provide to the Assistant Dean 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 Assistant Dean 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 assistant dean has discretion to seek independent medical assessment if in his/her judgment it is appropriate in some circumstances.

Family Educational Rights and Privacy Act (FERPA)

Please click here (<http://www.pacific.edu/About-Pacific/AdministrationOffices/Office-of-the-Registrar/Student-Privacy--FERPA.html>) for the University's FERPA policy.

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 committee is a joint faculty-administrative committee comprised of a chair selected by the Dental Faculty Council, three elected faculty members, and five elected students, one from each DDS and IDS class. In addition, four elected faculty members and three elected students, one from 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 action. The decision of the dean can only be appealed through University channels (Office of the Provost). Privileged information related to petitions, petitioners, and all deliberations and recommendations of the committee are treated as confidential and will remain "in committee" except as reported through appropriate channels.

Please click here (http://sfidental.pacific.edu/docs/Code_of_Ethics.pdf) to see the Code of Ethics.

Policy Statement on Alcohol Consumption and Drug Use

For the Dental School's Policy Statement on Alcohol Consumption and Drug Use, please refer to the Policies and Procedures page (http://dental.pacific.edu/Human_Resources/Employee_Resources/Policies_and_Procedures.html).

Workplace Security and Anti-Violence Policy

For the Dental School's Workplace Security and Anti-Violence policy (which includes weapons and firearms), please refer to the Policies and Procedures page (http://dental.pacific.edu/Human_Resources/Employee_Resources/Policies_and_Procedures.html).

Prohibited Sexual and Other Unlawful Harassment Policy

For the Dental School's Prohibited Sexual and Other Unlawful Harassment policy, please refer to the Policies and Procedures page (http://dental.pacific.edu/Human_Resources/Employee_Resources/Policies_and_Procedures.html).

Academic and Administrative Policies

Academic and administrative policies set forth in this section are in force for all students enrolled at the School of Dentistry during the academic year 2013-2014. The right to change academic programs, policies, and standards at any time without prior notice is reserved by the university. It is the student's responsibility to regularly consult this site for changes or modifications.

Registration

Registration at 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 of their rights under FERPA by publication of this catalog. The full policy is available here (<http://www.pacific.edu/About-Pacific/AdministrationOffices/Office-of-the-Registrar/Student-Privacy--FERPA.html>).

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 (three program years for the IDS program). 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 can access their unofficial transcript any time through InsidePacific, the university portal.

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.

Attendance Policy

Students at the School of Dentistry assume professional obligations which include regular and consistent attendance at all formal learning activities. This includes classroom, laboratory, and remedial instruction; written and oral examinations, quizzes, and practicals; and patient care experiences. Regular and consistent attendance is an essential qualification of all students. A student who in the judgment of the school fails to meet this qualification may be dismissed from school.

Course directors can determine a reasonable attendance policy specific to their course, and must provide students a written statement of such policy in the course syllabus. In the absence of such a written statement from the course director, the school's policy is in effect.

The student is responsible for making up all work missed due to an absence. Faculty have sole discretion in determining whether and under what conditions missed work is to be made up. Faculty also decide if, when, and under what conditions a make-up exam or practical will be provided. It is expected that make ups will replicate the original assessment in difficulty and content coverage, although an alternative format may be used.

Discretionary Days

The school allots a set number of discretionary days to each student for use during an academic year. Students are expected to use discretionary days judiciously for such events as medical appointments or illness, legal obligations, national board examinations, postgraduate or employment interviews, or other school-sponsored trips or events.

Discretionary days in effect for each class are as follows:

First-year DDS, IDS: 5 full days (DDS no carryover to Year 2)

Second-year DDS: 8 full days

Third-year DDS and second-year IDS: 8 full days plus 50% of unused days from Year 2 (Year 1 for IDS students).

Guidelines for use of discretionary days:

1. Half-days can be used for events lasting less than a full day (e.g., medical appointments). However, students who report an illness for a morning session will be excused for the entire day. Faculty will be notified of a day-long absence and, for clinic students, clinic staff will reschedule patients.
2. For any absence of more than two (2) consecutive days, documentation supporting the absence must be submitted promptly to the Office of Academic Affairs. 'Bunching' of unused days at the end of an academic year is prohibited by this policy.
3. Discretionary days may not be used when an examination, quiz, or practical is scheduled. In the event of an absence on a day when an examination, quiz, or practical is scheduled, a discretionary day will be forfeited. Illness or other emergency must be documented. Make ups are allowed at the sole discretion of the course director(s), who will set the day and time of the make up.
4. Discretionary days may not be used retroactively.
5. A discretionary day is forfeited whenever an unreported absence is discovered or otherwise reported to the Office of Academic Affairs.

6. A student who exceeds the number of available discretionary days in an academic year may be referred to the ethics committee. In cases of excessive absence, the assistant or associate dean of academic affairs will meet with the student, and other impacted parties as needed, to determine whether an internal solution is possible (e.g., medical or other leave of absence), and if so, implement the solution. Only if an internal solution fails or is not possible is the student referred to the ethics committee.

Notification Process

A student who wishes to use a discretionary day or part thereof must notify the Office of Academic Affairs in advance or by 9:00 a.m. on the day of the absence. In the event of an emergency, the student must notify Academic Affairs as soon as reasonably possible. The Office of Academic Affairs will notify faculty promptly of the student's absence and will maintain a log of each student's use of discretionary days. Absences must be communicated daily.

A student who exceeds the number of available discretionary days in an academic year may be referred to the ethics committee (see above).

Attendance at Examinations and Other Assessment Activities

Barring a documented emergency, attendance at scheduled examinations, quizzes, practicals, or other assessment activities is mandatory. Students are expected to report to the assigned location early and to begin the examination at the designated start time. No student will be allowed to begin an examination 15 minutes after the designated start time (5 minutes for a quiz), and no student will be allowed to leave an examination room until 15 minutes have elapsed (5 minutes for a quiz). A student who appears for an examination within the 15 minute window forfeits the missed time.

Course directors have sole discretion to determine if and under what conditions a make up examination will be provided.

Approved: DFC, November 21, 2012; Dean's Cabinet, December 3, 2012

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 and must be remediated. Conditions on such grades must be specified when grades are submitted 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; conditions and assignments for removing incompletes; and suggested alternatives for overcoming failing performance, if any exist.

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 Performance

Academic Progress

The Office of Academic Affairs reviews student overall academic performance each quarter prior to the release 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.

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 D or F grades.

Academic Probation

Academic probation is accorded to 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 D or F 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

1. 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.)
2. Repeating students are placed on intervention at the beginning of their repeat year.
3. Examples of interventions include:
 - meetings with advisor
 - assignment of tutors
 - 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

II. Phase Two Academic Probation: Contract

1. Didactic and/or lab/clinic GPA below 2.0 if the student was on Phase I probation the previous quarter, or
2. Any permanent D or F grade.
3. 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, or learning problems
 - tutors
 - assignment to scheduled supplemental courses
 - regular meetings with therapist
4. No student on contract is eligible to take National Dental Board Examinations without approval from 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 it to ensure that all pertinent information is available before the committee makes its recommendation to the dean. This is the only opportunity for the student to present relevant information to the committee; if a student fails to provide all pertinent information at this opportunity, the student risks exclusion of information from the committee's deliberations. A student appearing before the committee has the option to: (i) select a faculty advisor; (ii) request and receive assistance from that faculty advisor with preparation of a statement to the committee; and (iii) request the faculty advisor attend the committee meeting with the student as a silent observer. A student may, at their discretion, take advantage of all or none of these opportunities. During the committee meeting, the student is advised to read aloud their prepared statement, but is discouraged from circulating copies or presenting evidence of academic performance.

If, in the judgment of the committee and after consideration of the relevant information available to it, 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 (i) continuation on academic contract; (ii) extension of the program; or (iii) reenrollment in a subsequent class. The committee may also recommend reenrollment only through the normal admissions process, after a careful review of the relevant information and as appropriate to the student's potential.

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.

Academic Standards for Holding Student Office

In order to run for and/or hold an elected or appointed office in the Associated Student Body or to assume a major leadership position in an organization affiliated with and approved by the school, a student must be registered for a full-time course of study, be in good academic and disciplinary standing, and maintain a cumulative Grade Point Average of 2.5 or higher during the entire period of time in which he or she holds office. Failure to meet the academic standards outlined by this policy will result in a one quarter probationary period, during which the student is expected to meet the minimum cumulative GPA standard. Failure to do so by the end of the probationary period will lead to automatic resignation from office.

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. A student's request for withdrawal is accepted only upon completion of the customary check-out process. The student's academic standing at the completion of the check-out process will be recorded on the permanent record (transcript). The record of a student who withdraws without first requesting permission will record a dismissal. A student who has met the published criteria for disqualification may not elect to voluntarily withdraw until the dean has rendered a final decision regarding promotion or academic standing.

Leave of Absence

Student or resident requests for a leave of absence are filed with the dean, who will designate the appropriate administrator to respond to the request. To request a leave of absence, the student or resident must be in good academic standing and must submit a written request, which identifies persuasive reasons warranting the leave, together with documentation supporting the request. The dean will notify the student or resident in writing of the decision and, if approved, will stipulate the length of the leave and conditions for re-enrollment. The student or resident assumes the responsibility of keeping the dean informed of the intent to re-enroll by the specified date. Students or residents with federally-guaranteed student loans whose leave of absence exceeds 180 days will be reported as withdrawn on the 181st day and federal loans will enter repayment. A student or resident who does not re-enroll by the specified date will be considered to have withdrawn from the school. The decision whether to deny, grant, or set conditions for a request for leave of absence shall be in the sole discretion of the dean. Leaves of absence from the dental school's three-year curriculum are rarely granted.

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.

Committees

Student Academic Performance and Promotions Committee

Functions: The Student Academic Performance and Promotions Committee evaluates records of student academic performance and progress; recommends 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 works 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.

Membership includes: the associate deans for academic affairs and clinical services, the assistant dean for academic affairs, all Group Practice Leaders, and all clinical department chairpersons. Should a clinical department chair be unable to attend the meeting, a single co- or vice-chair is invited.

Academic Advisory Committee

Functions: The Academic Advisory Committee reviews records of students who are on phase one academic probation to recommend intervention, and reviews records of students on phase two academic probation to draw up contracts. It also reviews the records of students who have failed their contracts and makes recommendations to the Student Academic Performance and Promotion Committee.

Membership includes: the associate and assistant deans for academic affairs, two Group Practice Leaders, one representative each of the biomedical science courses and preclinical technique courses, and a student.

Student Appeals Committee

Functions: The Student Appeals Committee reviews and makes recommendations on student-initiated appeals for reconsideration of faculty action with regard to grading or evaluation. In academic matters related to promotion and dismissal, the Student Appeals Committee's inquiry will be limited to review of compliance with the due process components of this policy and will not constitute an attempt to substitute its judgment for the academic judgment of faculty or of the administration.

Membership includes: four elected faculty members and three elected students, one each from the two senior classes and the junior class.

Standing Committees

In keeping with university philosophy and sound shared governance principles, 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 Committee
- Admissions Committee, DDS
- Admissions Committee, IDS
- Curriculum Committee
- Dental Faculty Council
- Faculty Appointment, Promotion, and Tenure Committee
- Research Committee
- Student Academic Performance and Promotions Committee
- Advisors Committee

Joint Faculty-Administration 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.

- Education and Information Technology Advisory Committee
- Ethics 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.

- A. W. Ward Museum Committee
- Institutional Animal Care and Use in Research Committee
- Infection Control Committee
- Joint Pacific/CPMC Library Committee
- Managers and Directors Committee
- Outcomes Review Committee
- Committee on Continuing Dental Education
- Store Committee
- Student Clinic Advisory Committee
- Student Financial Aid Committee

Services

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

Business Office

The business office manages student accounts, posting all charges, collecting payments, and issuing reimbursements.

Student Services

Under direction of the associate dean of student services, this office is responsible for recruiting and advising potential students, coordinating admissions and pre-dental programs, managing admissions committee activities and directives, and providing consultation and assistance in nonacademic areas including student financial aid, health and health insurance, and housing.

Housing

The school is located in the Pacific Heights neighborhood of San Francisco and maintains multiple living units in the city's historic Presidio. Units in the Presidio consist of two-, three- and four-bedroom unfurnished apartments. The facility, located on the West side of the Presidio directly across Baker Beach, is approximately three miles from the dental school. All apartments have hardwood floors, refrigerator, stove, dishwasher and washer/dryer hook-ups. Each unit is assigned one covered parking space.

Rental eligibility for Presidio 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.

Financial Aid

Financial aid 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 provides comprehensive financial guidance for every student applying for financial aid to help them find the best funding option. 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.

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 e-books, print-on-demand and binding services. Merchandise and Apple products are available from the store's website, www.dentalstudents.com (<http://www.dentalstudents.com>).

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 over 10,500 book titles, over 135 electronic books, about 210 clinical videos, and access to over 3,000 online journal titles. The library has a comprehensive collection of print journals and books in all areas of dentistry, the basic and clinical sciences, and medicine. There is access to important online resources including Ovid, PubMed, Cochrane, and Dental & Oral Science Source via the library website at www.cpmc.org/hslibrary (<http://www.cpmc.org/hslibrary>). Built in 1912, the 20,510 square-foot library facility incorporates modern designs, 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.

First-Year Retreat and Counseling

First-year students participate in a mandatory retreat 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 members 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 are assigned an advisor at the beginning of their first year. Second- and third-year students have access to their assigned group practice leader as well as course directors and other faculty members.

Academic counseling is provided by advisors as well as course directors, faculty members, and the associate and assistant deans for 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 and their spouses/children who request and are accepted for dental care pay at a reduced rate established by clinic administration.

Development

The school recognizes the strong philanthropic support enjoyed by the school with walls of honor, plaques, and badges. Thousands of the school's generous alumni and students, faculty, staff, friends, foundations, corporations, and organization donors have helped to build clinics and classrooms, provide scholarships, fund faculty positions, provide dental care to patients, and support numerous projects that keep the dental school strong.

Marketing & Communication

The Office of Marketing & Communication directs communications and marketing programs to increase the visibility of the dental school and to enhance its identity to various constituents. The marketing & communication team promotes not only the dental school, but also the school's students, faculty, staff, alumni, and clinics, through effective media relations, Web communications, event planning, publication development, and marketing strategies.

Continuing Dental Education

The Division of Continuing Dental Education provides dynamic and multidisciplinary continuing education programs for members of the dental profession. 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. CDE offers more than 60 courses each year that are presented by many of the profession's outstanding leaders and educators. Annual attendance at clinical and lecture presentations exceeds 3,000 dentists and dental auxiliaries. Courses are offered at the dental school as well as at select locations throughout California and the United States.

Pacific dental students, faculty and staff receive discounted rates to attend continuing dental education courses offered by the division. Tuition charges are minimal for students, faculty and staff, depending on the program. Recent Pacific graduates are entitled to enroll in two complimentary, open enrollment lecture courses. Pacific dues-paying alumni members receive a 10% discount on most CDE programs offered by the division.

For more information, visit our website at www.dental.pacific.edu/ce1 or contact Continuing Dental Education at (415) 929-6486 or cedental@pacific.edu.

Professional and Fraternal 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 in the groups.

Associated Student Body

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; Clinical Quality Assurance; Educational and Information Technology Advisory; and Academic Advisory.

Student Research Group

The Student Research Group (SRG) works to enhance the research culture at the Dental School by supporting collaboration between students and faculty members in current research projects. The goal of SRG is to promote the advancement of dental research and evidence-based practice.

The SRG is a chapter of the National Student Research Group (NSRG)/American Association for Dental Research (AADR) and the International Association for Dental Research (IADR). Group members are encouraged to participate in various school events, attend the NSRG meeting and the annual AADR/IADR meeting. A member of the student group also represents Pacific each year at the ADA-sponsored Annual Dental Student Conference on Research in the Washington DC area.

SCOPE (Student Community Outreach for Public Education)

The Student Community Outreach for Public Education program (SCOPE) is a student-directed, peer-mentoring organization at the School of Dentistry with programs focused on the promotion of community oral health. Created in 1994 by students and a faculty mentor, SCOPE's mission is to engage and involve students and faculty in volunteer oral health projects directed toward community needs. Today SCOPE exemplifies one of the school's six major Strategic Directives: to develop professionals committed to improving the health of all people. SCOPE Programs form a major component of Pacific Dugoni's Community-Campus Partnership Initiative (CCPI) which collaborates with community agencies in the development of Pacific's oral health programs.

Leadership development and evidence-based "best practices" are the foundation of SCOPE programs. Student officers take an active role in sponsoring, selecting and/or participating in health projects 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 and talent at numerous health fairs, senior centers, elementary and non-profit agencies and sponsor the annual Senior Smile Health Fair at the school.

National Dental Fraternities

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

Dugoni 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. Alumni members — all graduates of the dental school; and
2. Associate members — dentists who graduated from other schools and who join the Association.

The Alumni Association is highly effective in its efforts to improve dental education, and expand the horizons of the profession of dentistry. Its mission is to foster lifelong relationships among its members and with the School. The institution, its excellent reputation and its unequalled physical facilities are the direct result of unswerving loyalty and active support of its alumni and the Alumni Association. The Association's interest in the total University program is further demonstrated by dental school representation on the Board of Directors of the Alumni Association.

Through a student-alumni committee, the Association sponsors social and educational 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

Suzanne Saidi '91
President

Artemiz Seif-Adkins '04
President-Elect

William A. van Dyk '73
Vice President

Nader A. Nadershahi '94
Treasurer

Bruce G. Toy '81
Treasurer-Elect

Kimberly A. Fanelli '06 DH
Secretary

Arthur A. Dugoni '48

Dean Emeritus

Eugene T. Santucci, Associate
Immediate Past President

David B. Nielsen '67
Executive Director

Board Members

Alan W. Budenz, Associate
Jeffrey J. Bueno '90
Richard F. Creaghe '86
Bella A. Doshi '95
David Ehsan '95
Robert D. France '74B
Richard J. Garcia, Associate
Parag R. Kachalia '01
Natasha A. Lee '00
Peter C. Liu '89
Leon C. Nelson '60
Cheri Howell Reynolds, Associate
Bertrand D. Rouleau '82 Ortho
Mary M. Turoff '77
Magnus K. Yang '09/'10 AEGD

Student Representatives

Tiffany Giang '15
Rachana Jha '14 IDS
Daniel McFarland '14

Ex-Officio

Patrick J. Ferrillo, Jr., Associate
Dean

Mr. Jeff Rhode
Associate Dean for Development

PDF Representative

Edmond Bedrossian '86
PDF President

Staff

Ms. Joanne Fox
Assistant Director

Ms. Nell Herbert
Administrative Assistant

Ms. Andrea Woodson
Coordinator

Pacific Dugoni Foundation

The Pacific Dugoni Foundation (PDF) is a group of volunteers working closely with the Dean and the development team to promote philanthropy at the School of Dentistry. The mission of the Foundation 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 Foundation 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 Dugoni Foundation Board

Dr. Daniel Tanita '73
Dr. Brian Adams '02
Dr. Braden Beck '71, '85
Dr. Edmond Bedrossian '86, President
Dr. Gerald Bittner, Jr. '85
Dr. Susan Bittner '74a
Dr. Joseph Bronzini '66
Dr. Michael Campbell '79
Dr. Elisa LoBue-Campbell '84

Dr. Arthur Dugoni '48, Dean Emeritus

Dr. Joseph Errante '80

Dr. Nava Fathi, '95

Dr. Patrick J. Ferrillo, Jr., Dean

Dr. Michael Fox '82

Dr. Stephen Hannon

Dr. Tom Indresano

Dr. Scott Jacks '74b

Dr. Yan Kalika

Dr. John Young Jin Kim '04

Dr. Catherine Lambetecchio '87

Dr. Michael Lasky '95

Dr. Jill Lasky '98

Dr. Scott Milliken '87

Mr. Gary Mitchell

Dr. Gurjit Randhawa

Dr. W. Ronald Redmond '66

Dr. Kenneth Shimizu '85, '87

Dr. M. Gabrielle Thodas '77, '95

Mr. Steven Tiret

Dr. Gary Weiner, '66

Dr. Colin Wong '65

Dr. Rick Workman

Ex Officio

Dr. Artimiz Adkins '04 – Alumni Association

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 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 other benefits.

American Dental Education Association (ADEA)

All enrolled predoctoral students are members of 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.

Awards

Awards and prizes are presented annually at the Graduate Alumni Association banquet honoring the graduating classes. A detailed description of each award, including selection criteria, is available in the Office of Academic Affairs.

Scholarship

Alpha Omega International Dental Fraternity award
Dean's Valedictorian awards (DDS, IDS)
Dean's Salutatorian awards (DDS, IDS)
Dean's Award
Excellence in Anatomy award
Excellence in Biochemistry award
Excellence in General Pathology award
Excellence in Implants award
Excellence in Microbiology award
Excellence in Oral Surgery award
Excellence in Oral Diagnosis award
Inesi Award in Physiology
OKU Clinical Excellence awards

Leadership, Professionalism, Scholarship and Service

Abelson Endowment award
Academy of Dentistry for Person's with Disabilities award
Academy of General Dentistry award
Alpha Omega Dental Fraternity, Bay Area Alumni award
Alpha Omega International Dental Fraternity award
American Academy of Craniofacial Pain award
American College of Dentists, Northern California Section award
ASDA Award of Excellence
Thomas R. Bales Family Endowment Good Samaritan Award
Community Service awards
California Dental Association awards
Delta Dental Plan of California Student Leadership award
Deric Desmarteau Endowment award
Kevin Campbell Alumni Association Service award
F. Gene and Rosemary Dixon IDS Endowment award
CHIPS Editor awards
Pierre Fauchard Academy awards
William W.Y. Goon/OKU award
International College of Dentists Student Leadership award
Phi Kappa Phi Honor Society
San Francisco Dental Society Ethics award
Charles, Charles Jr. and Joe Sweet Scholarship awards (for pediatric dentistry)
Frederick T. West Leadership awards
Herbert K. Yee Scholarship awards

Outstanding Performance

Academy of Osseointegration award
AEGD Outstanding Resident (Stockton and Union City)
Eric B. Bystrom Memorial award
Academy of Operative Dentistry award
American Academy of Implant Dentistry 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 Endodontics award
American Association of Oral and Maxillofacial Surgeons Dental Student awards
American Association of Oral Biologists award
American Association of Orthodontics award
American College of Prosthodontists
American Dental Society of Anesthesiology award
American Equilibration Society award

California Association of Oral and Maxillofacial Surgeons award
Carmax Laboratories award
Dentsply/ADA Student Research Program
Charles A. Ertola award (for removable prosthodontics)
Thomas B. Hartzell award (for periodontics)
Hinman Symposium award
International Congress of Oral Implantologist award
Lasky Family Endowment Pediatric awards
Northern California Academy of Endodontics award
Oral and Maxillofacial Pathology award
Oral Surgery Outstanding Resident
Quintessence Publishing Co., Inc. awards (one each for research achievement, periodontics, and restorative dentistry)
Warren Family Endowment award (for pediatric dentistry)
Western Society of Periodontology
Who's Who award

Graduation Honors

Upon recommendation of the 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.

Honors Societies

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 a faculty vote on the basis of scholarship and character.

Tau Kappa Omega

In 1927, the 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.

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