



**Loma Linda University**  
**SCHOOL OF DENTISTRY**  
**Bulletin 2003-2005**

Loma Linda, California

<http://dentistry.llu.edu>

Cover:

The Good Samaritan, located on the campus mall,  
is a representation of the parable told by Jesus and recorded in Luke 10:30-37.  
This four-figure sculpture was dedicated and unveiled at Loma Linda University May 3, 1981.  
It speaks eloquently of Jesus' compassionate practice of the healing arts and of His mission  
—*To make man whole*—the motto of this health-sciences University.

## Legal Notice

This BULLETIN is the definitive state-

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Bulletin of the  
**School of  
Dentistry**

**2003-2005**

This is a two-year BULLETIN  
effective beginning Summer Quarter 2003.

**Loma Linda University**

Loma Linda, CA 92350

<http://www.llu.edu/llu/dentistry>

a Seventh-day Adventist health-sciences university



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# I

## LOMA LINDA UNIVERSITY

University Foundations

Our Mission

Nondiscrimination Policy

Affirmative Action

The Calendar

# University Foundations

## HISTORY

**L**oma Linda University has grown out of the institution founded at Loma Linda, California, by the Seventh-day Adventist Church in 1905. The original schools—Nursing and Medicine—have been joined by Allied Health Professions, Dentistry, Public Health, the Graduate School, and the Faculty of Religion.

The University, operated by the Seventh-day Adventist Church, is committed to the vision of its founders and is sustained by its close association with the church.

Loma Linda University is a Seventh-day Adventist coeducational, health-sciences institution located in inland southern California. It is part of the Seventh-day Adventist system of higher education. Professional curricula are offered by the Schools of Allied Health Professions, Dentistry, Public Health, Medicine, and Nursing. Graduate programs in various biomedical sciences are offered by departments of the schools. The professional curricula of the University are approved by their respective professional organizations.

The most current campus census figures (July 1, 2003) indicate that the core of the combined faculties consists of 1,108 full-time teachers. Part-time and voluntary teachers, largely clinicians in the professional curricula, bring the total to 2,481. As of Autumn Quarter 2003, students from 97 countries are represented in the enrollment of 3,657.

## PHILOSOPHY

**A**s implied by its motto, “TO MAKE MAN WHOLE,” the University affirms these tenets as central to its view of education:

# Our Mission

**L**oma Linda University, a Seventh-day Adventist Christian health-sciences institution, seeks to further the healing and teaching ministry of Jesus Christ “to make man whole” by:

Educating ethical and proficient Christian health professionals and scholars through instruction, example, and the pursuit of truth;

Expanding knowledge through research in the biological, behavioral, physical, and environmental sciences and applying this knowledge to health and disease;

Providing comprehensive, competent, and compassionate health care for the whole person through faculty, students, and alumni.

In harmony with our heritage and global mission:

We encourage personal and professional growth through integrated development of the intellectual, physical, social, and spiritual dimensions of each member of the University community and those we serve.

We promote an environment that reflects and builds respect for the diversity of humanity as ordained by God.

We seek to serve a worldwide community by promoting healthful living, caring for the sick, and sharing the good news of a loving God.

To achieve our mission we are committed to:

## OUR STUDENTS

**O**ur primary responsibility is the education of students—who come from diverse ethnic and cultural backgrounds—enabling them to acquire the foundation of knowledge, skills, values, attitudes, and behaviors appropriate for their chosen academic or health care ministry. We nurture their intellectual curiosity. We facilitate their development into active, independent learners. We provide continuing educational opportunities for our alumni and professional peers. We encourage a personal Christian faith that permeates the lives of those we educate.

#### OUR FACULTY, STAFF, AND ADMINISTRATION

**W**e respect our faculty, staff, and administration who through education, research, and service create a stimulating learning environment for our students. They contribute to the development of new understandings in their chosen fields. They demonstrate both Christian values and competence in their scholarship and professions.

#### OUR PATIENTS AND OTHERS WE SERVE

**W**e provide humanitarian service through people, programs, and facilities. We promote healthful living and respond to the therapeutic and rehabilitative needs of people. We seek to enhance the quality of life for individuals in local, regional, national, and world communities.

#### OUR GOD AND OUR CHURCH

**W**e believe all persons are called to friendship with a loving God both now and throughout eternity. We support the global mission of the Seventh-day Adventist Church by responding to the need for skilled Christian health professionals and scholars. We seek to honor God and to uphold the values of the Seventh-day Adventist Church and its commitment to awakening inquiry. We are drawn by love to share the good news of God expressed through the life and gospel of Jesus Christ and to hasten His return.

# Nondiscrimination Policy

**T**he University was established by the Seventh-day Adventist Church as an integral part of its teaching ministry. It is committed to equal education and employment opportunities for men and women of all races and does not discriminate on the basis of handicap, gender, race, color, or national origin in its educational or admissions policies, financial affairs, employment programs, student life and services, or any University-administered program.

Any student with a documented disability (e.g., physical, learning, or psychological) who needs to arrange reasonable accommodation must contact the dean, or designee, of the School of Dentistry. All discussions will remain confidential.

To this end, the University is in compliance with Titles VI and VII of the Civil Rights Act of 1964 as amended, and in substantial compliance with Title IX of the Education Amendments of 1972 (34 CFR 106 et seq.), Sections 503 and 504 of the Rehabilitation Discrimination in Employment Act of 1967, and Section 402 of the Vietnam Era Veterans Adjustment Act of 1974; and does not discriminate against any employees or applicants for employment on the basis of age or because they are disabled veterans or veterans of the Vietnam era. In addition, the University administers student programs without discrimination on the basis of age, except in those programs where age is a bona fide academic qualification for admission in accordance with the provisions of the Age Discrimination Act of 1975.

The University reserves constitutional and statutory rights as a religious institution and employer to give preference to Seventh-day Adventists in admissions and employment, including but not limited to 42 USC Secs. 2000e-1, 2000e-2; Sec. 6-15 of Federal Executive Order 11246; 41 CFR Sec. 60-1.5(5); 20 USC Sec. 1681 (a)(3); 34 CFR Secs. 106.12 (a)(b), 106.21, 106.31, 106.39, 106.40, 106.51, and 106.57; California Government Code Sec. 12926(d)(1); Title II, Division 4, Chapter 2, Sec. 7286.5 of the California Code of Regulations; the First Amendment to the United States Constitution; and Article I, Sec. 4, of the California Constitution. The University believes that Title IX regulations are subject to constitutional guarantees against unreasonable entanglement with or infringements on the religious teachings and practices of the Seventh-day Adventist church. The University expects students and employees to uphold biblical principles of morality and deportment as interpreted by the Seventh-day Adventist church. The University claims exemptions from the provisions of Title IX set forth in 34 CFR Secs. 106.12 (a)(b), 106.21, 106.31, 106.39, 106.40, 106.51, and 106.57.

# Affirmative Action

**T**he University routinely monitors its educational and employment practices regarding women, minorities, and the handicapped to ensure compliance with the





# The Calendar

## 2004

### JUNE

S	M	T	W	T	F	S
			1	2	3	4 5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

8

11-15

15-JUL 2

15

15

30

Latent Print Development (\$50 a unit a.m.t.)

California Dental Board Exam

### PRESUMMER SESSION 2004

Restorative Comm (100 min a.m.t.)

Intro

Latent Print Development (\$50 a unit a.m.t.)

### JULY

S	M	T	W	T	F	S
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18	19	20	21	22	23	24
25	26	27	28	29	30	31

5

6-SEP 16

6

7-13

12

13

18-21

20

Intro to Data

### SUMMER QUARTER 2004

Intro

Latent Print Development (\$50 a unit a.m.t.)

SD National Board Dental Exam, Part 1

Latent Print Development (handmade) 100/100 a.m.t.

SD, California Dental Exam

Latent Print Development (handmade) 100/100 a.m.t.

### AUGUST

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2-6

30

Maximum

Latent Print Development, W-100 a.m.t. S/U

### SEPTEMBER

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13-16

15-24

16

17-26

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20-24

21

27-DEC 9

27

28-OCT 5

SD

Fa

SDDI

Summer Quarter

SD

Latent Print Development (\$50 a unit a.m.t.)

Upper extremity

DH

Ga

### AUTUMN QUARTER 2004

Intro

Latent Print Development (\$50 a unit a.m.t.)



# The Calendar

## 2005

### FEBRUARY

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27	28					

Midterm  
 SD Academic Support Center  
 SD Student Government  
 Patient Day  
 DEADLINE for CA... BA... EA... (D4)  
 Lab at the Lab, W... S/U

### MARCH

S	M	T	W	T	F	S
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Retreat Spring Quarter  
 Final Exam  
 Winter Quarter  
 SD Winter Retreat BA... EA... ( )  
 SD  
 Lab at the Lab (\$50 a... )  
 Ga... m...  
 Lab at the Lab (\$50 a... )  
**SPRING QUARTER 2005**  
 I...  
 SDD... HA... NA... BA... EA... ( )

### APRIL

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Spring Week Dentistry ( )  
 Lab at the Lab... HA... MA... /...  
 Lab at the Lab... HA... MA... /...  
 Midterm

### MAY

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29	30	31				

Lab at the Lab, W... S/U  
 Ga... m... D4  
 Data Handling Practice, 6:00 .m  
 BA... SA..., 11:15 a.m.  
 C... D..., 5:00 .m.  
 Midterm

# The Calendar

## 2005

### JUNE

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1-28  
6-9  
9  
9  
10-14  
10-JUL 4  
13-JUL 1  
14

R...a...mm... (t...a...)  
F...a...a...  
DEADLINE...t...k...a...a...  
L...E...a... (D4)  
S...Q...  
C...a...a...L...E...a... (t...)  
SD...mm...  
SD...mm... (m...a...)  
G...a...m... (D1, D2, D3, a...t...h...t...t...)

### JULY

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5-SEP 16  
11

SD...mm...  
SD...a...a...E...a..., Pat I (t...)

### AUGUST

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### SEPTEMBER

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21-DEC 8

SD A...m...Q...a...



# II

## SCHOOL OF DENTISTRY

Letter from the Dean

School Foundations

General Information

Admissions Information

Financial Information

Student Life

Academic Practices

Charles J. Bachman

# School Foundations

## HISTORY

A small but determined group of dentists met during the summer of 1943 in Grand Ledge, Michigan. Their purpose was to form an organization that would serve as a catalyst, urging the Seventh-day Adventist Church to sponsor a dental school where young adults could learn the dental profession in an environment consistent with their religious beliefs. These men were the founders of the National Association of Seventh-day Adventist Dentists (NASDAD).

Under the leadership of Dr. J. Russell Mitchell, the organization's first president, the goal of a Christian dental school began taking conceptual form. NASDAD expanded in membership and objectives through men such as Dr. C. C. Ray, who toured the country on his own time in search of fellow Seventh-day Adventist dentists who were willing to pursue NASDAD's goals.

Dr. M. Webster Prince served as president of NASDAD in 1948 and 1949. At a meeting in San Francisco in 1949, NASDAD members voted unanimously to support the dental school project. Later that year at a NASDAD session in Hinsdale, Illinois, the members pledged a strong financial base in support of their goals.

The momentum of the effort became evident in the early 1950s. The General Conference of Seventh-day Adventists, under the guidance of President W. H. Branson, asked Dr. Prince to conduct a feasibility study. Official action was taken in 1951 to authorize establishment of the School of Dentistry as a unit of Loma Linda University's School of Medicine. Dr. Prince was selected as the first dean of the School of Dentistry. His leadership in organizing and eventually administering the new School of Dentistry was facilitated by his prior experience as president of the Michigan Dental Association and as chair of the American Dental Association Council on Dental Education. Forty-two students comprised the inaugural class in the late fall of 1953.

A dental hygiene curriculum leading to a Bachelor of Science degree was developed in 1959 under the direction of Dr. Gerald A. Mitchell, chair of the Department of Periodontics. Violet Bates became chair of the new department, and the first class of ten dental hygienists graduated in 1961.

In 1960 Dr. Charles T. Smith became dean. During this period the School experienced positive growth in many areas. A dental assisting curriculum was developed in 1968 under the leadership of Betty Zendner. The first class graduated in 1969, receiving the Associate in Science degree. A dental auxiliary utilization (DAU) program was



initiated to provide enhanced learning for dental students. The Monument Valley Dental Clinic for Navajo Indians was started in 1966, and Dean Smith succeeded in finding from public sources fiscal support for the clinic building and for faculty housing. New advanced-education (postdoctoral) programs were initiated in five clinical disciplines: orthodontics, oral surgery, periodontics, endodontics, and oral pathology.

During the 1970s the School of Dentistry continued its evolution into one of the premier clinical programs in the United States. Dr. Judson Klooster became dean in 1971. One of his major contributions was the expansion of Prince Hall, which was completed in May 1976. The new building more than doubled the number of clinical units; provided facilities for specialized areas of clinical instruction; and included eight new research laboratories, new classrooms, seminar rooms, amphitheaters, urgently needed teacher office space, and a commensurate expansion of support facilities and services. The Oral and Maxillofacial Surgery Clinic was remodeled, and an out-patient surgicenter was developed to meet the needs of those patients requiring general anesthesia for dental treatment.

The School of Dentistry became an important regional resource for providing dental care for developmentally disabled children and adults, many of whom require such a treatment setting. The Biomaterials Research Laboratory was constructed; and new advanced-education programs were initiated in pediatric dentistry, implant dentistry, dental anesthesiology, and prosthodontics. A new program was established in 1985 to provide a U.S. dental education for foreign-trained dentists. An increasing number of dental professionals from other countries were seeking an American education and the opportunity to practice dentistry in the United States or to gain advanced knowledge to share in their own countries. The International Dentist Program continues to offer an intensive, two-year course of study leading to a D.D.S. degree. The program has added a six-month certificate program limited to dental missionaries from other countries who sense the need for updated continuing education.

In 2000, the first major expansion of the School of Dentistry in more than twenty years added 15,000 square feet to Prince Hall on the east side and provided two new patient entrances. The expanded Surgery Center for Dentistry and the enlarged Pediatric Dentistry Clinic were relocated to the ground floor. An additional student laboratory was also included on that level. On the second floor, the new space allowed for expansion of the predoctoral clinic, with thirty-six additional operatories.

## ACCREDITATION

**L**oma Linda University is accredited by the Western Association of Schools and Colleges. Programs in dental education and in dental hygiene education; and advanced dental education programs in dental anesthesiology, endodontics, implant dentistry, oral and maxillofacial surgery, orthodontics and dentofacial orthopedics, pediatric dentistry, periodontics and implant surgery, and prosthodontics are accredited and approved by the American Commission on Dental Accreditation. The commission is a specialized accrediting body recognized by the U. S. Department of Education. The American Commission on Dental Accreditation can be contacted at 312/440-4653; or at 211 East Chicago Avenue, Chicago, IL 60611.

## OUR MISSION

**L**oma Linda University School of Dentistry seeks to further the healing and teaching ministry of Jesus Christ by providing an environment in which:

**STUDENTS** learn to provide high-quality oral health care based on sound scientific principles.

**PATIENTS** receive competent care that is preventive in purpose and comprehensive in scope, and that is provided with compassion and respect.

**FACULTY, STUDENTS, AND STAFF** value the patient relationship, respect diversity, and share responsibility by working together toward academic, professional, spiritual, and personal growth.

**SCHOLARLY ACTIVITY AND RESEARCH** provide a foundation for evidence-based learning and enhance whole-person care.

**THE WORKPLACE ENVIRONMENT** attracts and retains a superior and diverse faculty and staff who motivate, educate, and serve.

**OUR COMMUNITIES** (local, global, and professional) benefit from our service, stewardship, and commitment to life-long learning.

**VISION/VALUES • Pursuit of Truth**

# General Information

## ADMINISTRATION

**T**he dean, the chief administrative officer of the School, is aided by administrative associates. The dean presides over major administrative sessions. The administration and the faculty are responsible for determining curriculum requirements, admitting students, conducting continuing-education programs, encouraging activities and programs pertinent to the welfare and interest of students, assessing fitness for promotion and graduation, and carrying out other functions essential to the overall operation of the School. Department chairs preside over the teaching programs of the departments and are responsible for evaluation of faculty members and of student progress.

## CURRICULA

**T**he curricula at Loma Linda University School of Dentistry are designed to correlate the basic biological sciences with the science and art of dentistry. Curricula are under continuous review and are, therefore, subject to change and improvement without prior notice, as the need occurs.

This BULLETIN contains the operating policy statements for the School of Dentistry educational programs. Any deviation from these policies must be approved by the School of Dentistry administration.

## LEARNING ENVIRONMENT

**B**ecause the study of dental sciences and arts is based on a foundation in essentially the same science subjects as are studied in medicine and allied health curricula, the School of Dentistry shares the facilities for teaching basic sciences with the School of Medicine.

Classrooms, laboratories, student lounges, teachers' offices, and clinical facilities related solely to dentistry occupy the School of Dentistry building named in honor of M. Webster Prince, the first dean. Prince Hall is on the University mall, facing the University Church and adjacent to the Medical Center. The facilities effectively accommodate collaboration with the Medical Center in ongoing research and service programs.

The total resources of the University constitute a wealth of opportunity for the student with initiative and willingness to develop individual capacity to the fullest extent. Students find varied opportunities for serving and learning in the immediate University community, in School-sponsored service learning clinics, in clinical and research electives, and in diverse volunteer programs.

## **PROGRAMS, DEGREES**

**T**he School of Dentistry offers the following programs:

1. The four-year college curriculum in **DENTAL HYGIENE** (the junior and senior years are completed in the School of Dentistry), leading to the Bachelor of Science degree.
2. The four-year professional curriculum in **GENERAL DENTISTRY**, leading to the Doctor of Dental Surgery degree.
3. The **INTERNATIONAL DENTIST PROGRAM**, a twenty-one-month (two academic years) curriculum for dentists who have graduated from dental schools outside the United States, leading to a Doctor of Dental Surgery degree.
4. The **ADVANCED DENTAL EDUCATION PROGRAMS**, leading to postdoctoral certificates in eight specialty and nonspecialty areas of dentistry—and, at the student's option, additionally, to the Master of Science degree.
5. The **COMBINED-DEGREES PROGRAMS**, leading to a Doctor of Dental Surgery degree (through the School of Dentistry) earned concurrently with a Master of Public Health degree (through the School of Public Health in the Dental Leadership Program); or leading to the Doctor of Dental Surgery degree (through the School of Dentistry) earned concurrently with a Master of Science degree or Doctor of Philosophy degree (through the Graduate School).

### **COMBINED-DEGREES PROGRAMS**

**I**nformation on the combined-degrees programs—their curricula, pre-entry requirements, distribution of instruction, graduation requirements, finances, etc.—may be obtained from the Graduate School or from the School of Public Health and from each program director.

## **PREDOCTORAL D.D.S. PROGRAM**

**T**he Admissions Committee looks for evidence of personal integrity, intellectual vigor, good health, self-discipline, and motivation. In broad terms, the following are standards required for admission:

1. Intellectual capacity to complete the curriculum.
2. Emotional adaptability and stability.
3. Social and perceptual skills.
4. Physical ability to carry out observation and communication activities, and the possession of sufficient motor and sensory abilities to practice general dentistry.

All materials submitted for admission should be sent to:

Office of Admissions  
Loma Linda University, School of Dentistry  
Loma Linda, CA 92350

### **Required**

Students preparing for the predoctoral program are required to complete a minimum of three academic years with no fewer than 96 semester or 144 quarter units in a college or university accredited by a regional accrediting association. Preference is given to applicants who have completed or will complete the requirements for a baccalaureate degree prior to admission. A maximum of 64 semester or 96

quarter units of credit may be accepted from an accredited junior or community college.

A complete academic year of classwork (8 semester or 12 quarter units) in general biology, general chemistry, organic chemistry, general physics, and English composition must be completed within five years prior to admission, with a grade of C or above in each course. A minimum grade-point average of 2.7 in science subjects and in nonscience subjects, averaged separately, is required. The average



expected to have taken the test within the past two years. If the test has been taken more than one time, the most recent scores are used for admission criteria. The DAT scores must be on file at Loma Linda University before an acceptance to the School will be issued. Test results should be sent to Loma Linda University, School of Dentistry, Office of Admissions.

6. **Interview.** The applicant's file will be screened when the supplementary application, recommendations, and transcripts are on file. The applicant *may* then be invited to the School for a personal interview. An interview is required for admission. The interview provides an opportunity for evaluation of noncognitive factors, including communication skills, personal values, motivation, commitment to goals of the profession, and willingness to serve the community. The interview



of assistive devices. Students must be able to observe patients accurately, at a distance and close at hand. They must be able to observe and appreciate verbal and nonverbal communications when performing dental operations or administering medications.

All students in the School of Dentistry must possess adequate visual and tactile skills to perform dental examinations and provide treatment. Visual acuity, accommodation, and color vision are necessary to discern differences and variations in color, shape, and general appearance between normal and abnormal hard and soft tissues. Touch and somatic sensation are required for effective learning, as well as for effective evaluation and treatment of patients. A student must also possess sufficient visual acuity to read charts, records, small print, and handwritten notations.

### **Communication**

Students in the School of Dentistry must be fluent in the use of standard written and spoken English. Thus students' communication with patients, faculty, and staff will be facilitated when eliciting or providing information; or when documenting changes in patients' mood, activity, and/or posture. Students must also be skilled in observing and understanding nonverbal communication. In addition, they must develop the professional judgment that will enable them to discern when and how to maintain patient confidentiality.

### **Motor skills**

School of Dentistry students should have sufficient motor and sensory capability in both hands to be able to provide general dental care. They must possess the motor and sensory capabilities to perform diagnostic procedures—including such diagnostic maneuvers as palpation, percussion, and auscultation; and to perform basic laboratory tests. Exercising these capabilities requires coordination both of gross and fine muscular movements, equilibrium, and functional tactile and visual senses.

Students must be able to operate foot controls, utilizing fine movements; and to operate high- or low-speed dental instruments, accurately performing movements of less than one-half millimeter. They must also demonstrate well-developed tactile sense and precise control while using dental hand instruments.

Students must be able to perform basic life-support (e.g., CPR), transfer and position disabled patients, and physically restrain patients who lack motor control. Additionally, they must be able to position or reposition themselves around the patient and dental chair while sitting or standing.

### **Behavioral and social attributes**

Students must possess the emotional stability and resilience required for full utilization of their abilities in the context of a full and challenging education program. Success in the educational program requires use of good judgment; prompt completion of all responsibilities attendant to the diagnosis and care of patients; and development of mature, sensitive, and effective relationships with patients.

It is also imperative that students be able to tolerate physically taxing workloads and to function effectively under stress. Students must be able to

adapt to changing environments, to display flexibility, and to learn to function in the face of uncertainties inherent in the clinical problems of many patients. Compassion, integrity, honesty, concern for others, interpersonal skills, interest, cultural sensitivity, and motivation are all personal qualities that will be assessed during the admissions and education process.

### **Disabled applicants and students**

It is Loma Linda University's policy to comply fully with the provisions of The Americans with Disabilities Act [42 U.S.C. Sec. 12131 (2) (1990)]. The School is committed to providing dental education, including support services and reasonable accommodations for disabilities, to qualified applicants who will be able to perform all technical standards with or without accommodations; and for whom such accommodation does not fundamentally alter the School of Dentistry courses or create an undue burden.

During the application process, the School requests that an applicant disclose any disability for which an accommodation may be needed. The Admissions Committee requires written documentation of the disability, which they will review prior to making an assessment as to whether or not the applicant can be expected to perform the essential functions of the program.

A student who desires accommodation for any disability identified after admission must complete a request form available in the Office of the Associate Dean for Student Affairs for evaluation with appropriate University entities. Appropriate and reasonable accommodation will be provided, as necessary.

## **INTERNATIONAL STUDENTS**

**I**nternational applicants (non-U.S. citizens and non-U.S. permanent residents) must meet all admissions requirements for the chosen program, provide suitable recommendations, meet minimum pre-entrance examination requirements, furnish English evaluations of all official foreign transcripts and credentials, and give evidence of their ability to meet estimated living expenses and all financial obligations to the University during their program.

### **English competency requirements**

The minimum TOEFL requirements are as follows: for clinical programs, a minimum score of 550 on the paper-based examination or 213 on the computer-based examination. For non-clinical programs, a minimum score of 173 on the computer-based examination is required, with the goal of a 213 score by graduation. It is recommended that applicants with scores below these minimums complete an English-as-a-second-language (ESL) program and repeat the examination until a satisfactory score is achieved.

The Admissions Office of the School of Dentistry reserves the right to waive or to require any or all of the above English competency examinations.

#### **Pre-entrance examination results**

Official pre-entrance examination results, as required by each program (e.g., TOEFL), should be sent directly to the Admissions Office of the School of Dentistry.

#### **Foreign transcripts and credentials**

Official foreign degrees, professional credentials, and educational transcripts (or grade sheets or grade reports) must be sent to an evaluation center approved by the National Association of Credential Evaluation Services, Inc. The center reports the evaluation results directly to the Admissions Office of the School of Dentistry.

#### **Finances and employment**

Loma Linda University requires accepted international applicants to pay an advance international student deposit. This deposit is refundable, less any courier/ mailing fees, under the following circumstances: 1) during the student's last quarter of enrollment at Loma Linda University, 2) when a visa is denied by a U.S. embassy or consulate, or 3) when a student terminates his/her program.

United States immigration regulations require a prospective student to document his/her financial resources for tuition, fees, and living expenses. For international students, on-campus employment is allowed but limited by visa regulations (e.g., for F-1 and J-1 students, employment is limited to a maximum of twenty hours per week while school is in session). Scholarships, assistantships, and living stipends are rarely available at Loma Linda University because it is a small, private university (i.e., not supported by the U.S. or California state government but rather is church sponsored). Employment plans require approval by a designated school official (DSO) in International Student Services.

## **VISAS**

#### **F-1 student visas**

Loma Linda University is authorized by the United States Department of Homeland Security to issue F-visa applications (i.e., I-20 forms). The F-1 student visa is the visa of choice for most international students coming to Loma Linda University. This visa allows some nondegree study (e.g., certificates, preceptorships, and English-as-a-second-language studies). Degree-earning students are subject to study-load requirements and are allowed limited

on-campus employment. The I-20 is issued after a student has been accepted into a program, has paid the advance deposit, and has documented his/her financial plan for the chosen program. Contact International Student Services at 909\558-4955 for further information on F-1 student visas and the governing regulations.

#### **J-exchange-visitors visas**

Loma Linda University has an Exchange Visitor Program which is approved by the U.S. Department of State. This J-visa exchange program is authorized to sponsor degree-earning students, nondegree (continuing education) short-term scholars, visiting professors, and research scholars. The J-visa form, DS-2019, is issued after an exchange visitor has been accepted into a program, scholar position, or professor position; and has documented his/her financial plan (including health insurance for J-1 and for J-2 dependents) for the chosen program.

Loma Linda University also hosts exchange visitors who are sponsored by other organizations (e.g., Fulbright scholars). As a hosting institution, Loma Linda University has limited authority over an exchange visitor since the authority resides in the sponsoring organization.

Under current exchange-visitor regulations, J-2 dependents are allowed to enroll part or full time at Loma Linda University. Also, their credits earned

## **GENERAL PRACTICES**

### **Advance payment/Refunds**

For students whose loans are pending (Stafford, HEAL, CLAS, or other) at the time of registration, and which were not applied for at least thirty days prior to registration, a \$50 late-payment fee will be charged. Tuition and fees are due and payable in full before or at registration each term. If a student withdraws from a course or all courses up to six weeks into a quarter, tuition will be refunded on a pro-rata basis.

### **Tuition, fees, and expenses**

Dental students pay tuition and fees each term during the four years of the professional curriculum. A current schedule of tuition, fees, and expenses is available at the School of Dentistry Office of Student Affairs.

To withdraw from a course(s), the student must complete a Change of Program form or, if the student is discontinuing the entire program, a Total Withdrawal form. The date the properly completed form is submitted to the Office of University Records will be the date of withdrawal used in calculating tuition refunds. These forms should be completed and submitted on the last day of class attendance.

### **Monthly statement**

The amount of the monthly statement is due and payable in full within thirty days after presentation of the statement. A student unable to meet this requirement must make proper arrangements with the director of student finance. An account that is more than thirty days past due is subject to a finance charge of .833 percent per month (10 percent per year). Failure to pay scheduled charges or to make proper arrangements will be reported to the Office of University Records and the dean and may cause the student to be considered absent, discontinued, or ineligible to take final examinations.

### **Financial clearance**

The student is expected to keep a clear financial status at all times. Financial clearance must be obtained before registration each term; before a certificate or diploma is received; or before a

transcript, statement of completion, or other certification is issued to any person, organization, or professional board.

To obtain financial clearance from the Office of Financial Aid, the student must have a zero (-0-) balance due on account. To obtain financial clearance from the Student Loan Collection Office, the student must be current on all loan-account payments and must have fully completed a loan exit interview after ceasing to be enrolled for at least half time.

### **Checks**

Checks should be made payable to Loma Linda University and should show the student's name and student identification number to ensure that the correct account is credited. A \$10 returned-check



Graduating students receiving loans must have an exit interview during the month of May and must inform the Student Loan Collection Office of address changes during the repayment period for loans. Repayment and deferment opportunities will be made available to the graduate, when appropriate.

**Private and government loans and scholarships**

The Office of Financial Aid determines eligibility for various financial aid funds. There are numerous programs available, which are described in a brochure that can be obtained through the Office of Financial Aid. The financial aid adviser will be able to outline programs for which the applicant qualifies.

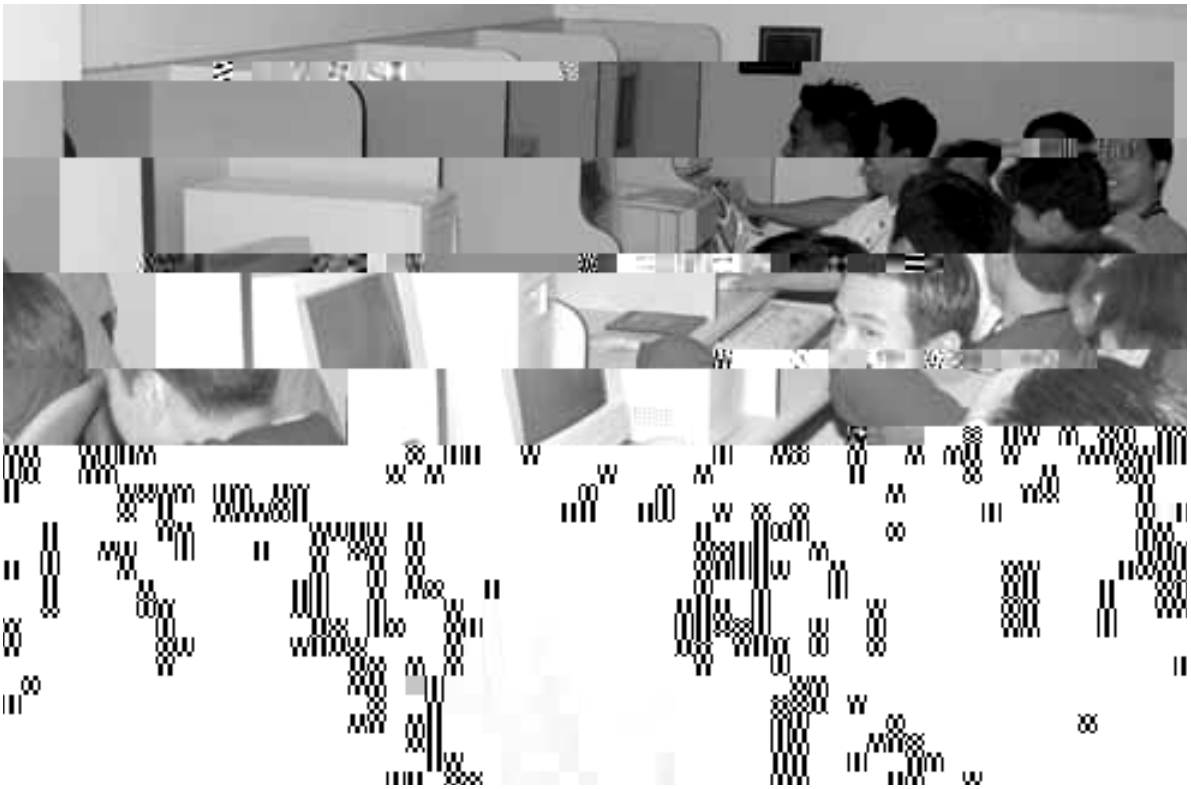
**Special grants**

The University participates in the student-exchange program of the Western Interstate Com-

mission for Higher Education (WICHE). Eligibility requirements vary by states. An interested student should apply to his/her respective state's certifying officer for further information. The name and address of the certifying officer can be obtained from WICHE, P.O. Drawer P, Boulder, CO 80301-9752; or from the Office of Financial Aid.

**Other sources**

Many students find sponsors from private community organizations, church groups, corporations, and businesses. For more suggestions, contact the financial aid adviser. Inquiries and requests should be made directly to the Financial Aid Adviser, Office of Financial Aid, Loma Linda University, Loma Linda, CA 92350; or 909/558-4509.



# Student Life

The information on student life contained in this BULLETIN is brief. The *Student Handbook 2002* more comprehensively addresses University and School expectations, regulations, and policies and is available to each registered student.

Students need to familiarize themselves with the contents of the *Student Handbook*.

Additional information regarding policies specific to a particular school or program within the University is available from the respective School.

## FROM UNIVERSITY TO STUDENT

Loma Linda University was established to provide education in a distinctively Christian environment. Students are expected to respect the standards and ideals of the Seventh-day Adventist Church. Prospective students have the freedom to choose or reject University or School standards, but the decision must be made before enrollment. Application to and enrollment in the University constitute the student's commitment to honor and abide by the academic and social practices and regulations stated in announcements, bulletins, handbooks, and other published materials; and to maintain a manner that is mature and compatible with the University's function as an institution of higher learning.

It is inevitable that the student will come under question if academic performance is below standard; student duties are neglected; social conduct is unbecoming; or attitudes demonstrate deficiencies such as poor judgment, moral inadequacy, or other forms of immaturity.

Procedures for evaluation of academic and nonacademic performance—as well as for the student to exercise his/her right of appeal—are described in each School's section of the *Student Handbook*. Grievances regarding both academic and nonacademic matters must be processed in accordance with the grievance procedures in the *Student Handbook*. After a student files an appeal or grievance, the faculty assesses the student's fitness for a career in the chosen profession and recommends to the dean appropriate action regarding the student's continuance or discontinuance.

Prospective students who have questions concerning the University's expectations should seek specific information prior to enrollment.

## WHOLE-PERSON HEALTH

The University regards the student from a cosmopolitan and comprehensive point of view. It is *cosmopolitan* in that historically the University's global mission has promoted bonds and opportunities in education and service without regard to gender, or to national, racial, or geographical origin. It is *comprehensive* in that the University's concern for the welfare of the student traditionally has been an integrated concern for assisting the student in balanced development.

Loma Linda University offers opportunities for students to complement their formal learning through participation in a wide variety of recreational, cultural, and other activities which can enrich their group interaction and leadership experiences, increase their interests in fields outside their profession, develop their talents, and enhance wholesome and memorable association with others.

Students from all schools of Loma Linda University may congregate and participate in the multifaceted programs offered that involve the wholistic concept of social, intellectual, physical, emotional, and spiritual wellness. These programs support Loma Linda University's motto, "To make man whole."

## SPIRITUAL HEALTH

Opportunities for personal development and spiritual enrichment are provided in scheduled religious exercises and activities and in informal association with others who cherish spiritual values.

## SOCIAL HEALTH

Situated within easy access of the ocean, mountains, and desert, the University provides numerous opportunities for social and recreational activities. A variety of University-, School-, and group-sponsored events encourage students to relax and become better acquainted with one another.

## PHYSICAL HEALTH

The University promotes physical fitness by encouraging recreational interests and by providing courses in field exercises, body building, and health instruction. An effort is made to interest each student in some recreational and health-building activity that may be carried over to enhance future life.

## THE DRAYSON CENTER

The Drayson Center, Loma Linda University's recreation and wellness center, provides state-of-the-art fitness facilities.

The center includes a 21,000-square-foot multi-purpose gymnasium, which may accommodate three full-sized basketball courts or five volleyball courts or nine badminton courts. Circling the gymnasium's inside perimeter is an elevated, rubberized, three-lane running track. The facility also includes five racquetball courts with viewing areas, and fully equipped men's and women's locker rooms. Aerobics studios and cardiovascular and fitness areas are equipped for strength training, sports conditioning, body building, and power lifting. A large, ten-lane lap pool is designed to accommodate scuba diving classes. A 22-foot-high, 150-foot water slide ends in the nearby recreational pool. This shallow pool is wheelchair accessible. An outdoor jacuzzi is also available as well as indoor saunas in the men's and women's locker rooms. Included in the complex are a lighted, six-court tennis facility; a 400,000-square-foot multi-use recreational area with four softball fields; a half-mile-long track; and picnic and game areas.

The Drayson Center offers lifetime leisure classes (noncredit), such as low- and high-impact aerobics, scuba diving, tennis, weight training, and wilderness survival. Physical assessments are also available.

## COUNSELING AND HEALTH SERVICES

**C**ounseling and health services offer comprehensive assistance to help students reach their maximum potential, cope with the stresses of university life, resolve problems, and achieve personal and academic success and fulfillment.

### LOMA LINDA UNIVERSITY (LLU) HEALTH CARE STUDENT/ FAMILY COUNSELING

The LLU Counseling Center offers a variety of confidential services to students and their families, including: individual, premarital, marital, family, and group counseling regarding issues of adjustment, anxiety, depression, etc.; skills in time management, studying, and test-taking; and 24-hour emergency crisis intervention. The center is located at 11374 Mountain View Avenue, Loma Linda. Full-time students may receive up to nine free visits. Call 909/558-4505 (or, on campus: 66028) to schedule an appointment or for more information.

### STUDENT ASSISTANCE PROGRAM

The Loma Linda Student Assistance Program (LLSAP) provides professional and caring assessment and treatment for a variety of personal, family, work, and school-related issues. The LLSAP clinicians will develop a treatment plan that may include free short-term counseling. All LLSAP services are free of charge.

If more extensive treatment is appropriate, the client is referred to a community therapist who specializes in the student's area of concern and who is covered by the student's health plan. All information is confidential. Community therapists and LLSAP clinicians will not release information without the written consent of the student, with the exception of matters that fall under mandatory reporting laws.

The LLSAP, the only nationally accredited student assistance program in California, has provided state-of-the-art services to students since it was established in 1990.

Appointments may be scheduled during office hours (on-campus telephone—66050; off-campus—558-6050): Monday through Wednesday 8 A.M.–5 P.M.; Thursday 8 A.M.–8 P.M.; Friday 8 A.M.–1 P.M. Times for additional appointments may be available upon request.

The program is located in the Hartford Building, 11360 Mountain View Avenue, Suite A, Loma Linda, CA 92354.

### OFF-CAMPUS CRISIS INTERVENTION

#### Rape Crisis Center and child-abuse intervention helpline

Intervention and help for victims of sexual assault and in child-abuse situation:

909-885-8884 . . . for San Bernardino county

951-686-7273 . . . for Riverside county  
(rape/sexual assault)

800-442-4918 . . . for Riverside county  
(child-abuse intervention)

#### Suicide and crisis help-lines

Helpline Access for suicide-intervention and for other crisis hotlines:

800-832-9119 . . . for San Bernardino county  
(M-F NOON - 8 P.M.)

1-888-743-1478 . . . (6 P.M. - 8 P.M. AND WEEKENDS)

909-686-4357 . . . for Riverside county (24/7)

### THE STUDENT HEALTH PLAN

**B**ecause the health, vitality, and welfare of its students and their dependents are of major concern to the University, Loma Linda University sponsors and funds the Student Health Plan, a health care plan that provides health service and medical coverage to all eligible students. Student Health Service provides free service to students who are enrolled in the Student Health Plan. Full-time students are enrolled automatically. Part-time students must buy in. The plan includes the following benefits: Student Health Service, 24-hour coverage, and generous coverage through preferred providers. The Student Health Plan provides a broad range of medical coverage but does not provide dental or vision coverage.

#### Student Health Service

Professional services are rendered by the Student Health Service, which provides basic care to students. The Student Health Service is located in the Center for Health Promotion in Evans Hall, corner of Stewart and Anderson streets. The hours are 8 A.M.–5 P.M. Monday through Thursday and 8 A.M.–2 P.M. on Friday. Services are free to students.

#### Supplementary medical-coverage policy

The Student Health Plan is an "excess" policy and only supplements other medical plans that provide benefits to the student. The student first obtains direct-provider payment, or reimbursement for out-of-pocket payments, from all other medical plans that provide benefits for the student; only then does the student submit bills to the Student Health Plan for any remaining balance not covered by the other



plans. The student must, therefore, follow all rules of his/her primary insurance in obtaining medical treatment. The student should contact the primary carrier to determine what procedure to follow.

**Eligibility**

The Student Health Plan automatically covers all full-time students at Loma Linda University in any clinical or academic program. Students are covered when enrolled for 7 units or more per quarter (or clock-hour equivalent, as defined by each School) for which Loma Linda University is receiving tuition and applicable fees (excluding load validation, “in progress” [IP] units, “employee tuition benefit” units, and “audit” units). Students enrolled for field practicum are eligible for coverage if registered for at least 240 hours per quarter.

**Coverage during clinicals/rotations**

Students who are accidentally injured while performing their clinical rotation duties do not have to pay their co-payment. If a covered student is doing a school-sponsored clinical or rotation out of the area and becomes ill or injured, any health service and medical care received that is covered by the Student Health Plan will still be covered as if the student were in the Loma Linda area.

**Effective coverage date**

An eligible student's coverage becomes effective on the day of orientation or the first day of class. Any purchased benefits will become effective on the day the Department of Risk Management receives the health plan application and payment within the *open enrollment period*, which is *only the first two weeks of each calendar quarter*.

**Buy-in rules and deadlines**

Eligible students are themselves automatical-

## GOVERNING PRACTICES

**A**t Loma Linda University, nonacademic policies have been established which help foster a fulfilling University experience. Students are expected to uphold these policies, which govern nonacademic student life on and off campus.

### Residence hall

The School is coeducational and accepts both single and married students. Any single student who prefers to live on campus may do so.

Students are expected to live on campus unless they are:

- married,
- twenty-one years of age or older,
- in a graduate program, or
- living with their parents.

Students who wish to live off campus but who do not meet one of the foregoing requirements may petition the dean of students for an exception. This should be done well in advance of registration to allow the student adequate time to plan. Additional information about campus housing can be obtained from the Office of the University Dean of Student Affairs.

The student must keep the Office of the Dean of the School informed of his or her current address and telephone number and other contact numbers.

### Marriage

A student who marries during the academic year is expected to provide the associate dean for academic affairs advance written notification of the change in status. Students are strongly urged to marry during academic recesses only.

### Professional apparel

Clinic apparel and laboratory apparel are distinctive articles of dress specified by the School and are to be worn only in the manner prescribed and under the conditions specified in the School of Dentistry dress code. This code is described in the University *Student Handbook* 2002 and is available from the School's Office of Student Affairs.

### Personal appearance

Students in the classroom or clinical environment must exhibit personal grooming consistent with expectations of the health care institution, the profession, the School, and the University. Specific guidelines regarding grooming and attire are provided by the School and in the University *Student Handbook*.

### Personal property

The School assumes no responsibility for the loss of the student's personal property, instruments, or other items by theft, fire, or unknown causes. The student is expected to assume responsibility for the safekeeping of personal belongings.

### Cars and transportation

It is advantageous for the student to have access to a car. The student is responsible for

transportation arrangements and costs for special projects and off-campus clinics.

Vehicles used to transport fellow students to University- or School-sponsored off-campus activities must be insured for \$100,000 bodily injury and property damage liability.

The University enforces traffic rules and regulations as provided for by the State of California Vehicle Code. It is the sole responsibility of the driver of any vehicle on University property to become familiar with these regulations. Drivers are held responsible for any infraction of the regulations. Copies of the brochure entitled "Loma Linda University Traffic and Parking Regulations" are available at the University Department of Safety and Security. Vehicles used by students on campus must be registered with the University Department of Safety and Security. New students may register vehicles with the School's Dental Maintenance Office. Returning students must go to the University Department of Safety and Security to renew registration each quarter.

The University enforces traffic rules and regulations as provided for by the State of California Vehicle Code. It is the sole responsibility of the driver of any vehicle on University property to become familiar with these regulations. Drivers are held responsible for any infraction of the regulations. Copies of the brochure entitled "Loma Linda University Traffic and Parking Regulations" are available at the University Department of Safety and Security. Vehicles used by students on campus must be registered with the University Department of Safety and Security. Returning students must go to the University Department of Safety and Security to renew registration each quarter.

### Student identification card

All students will be assigned University ID numbers and issued student ID cards. The University student ID card will be used for library, health, and other services.

In some cases, students are also required to have Medical Center ID badges. Information regarding this requirement can be obtained from the Office of the Dean of the School.

### Confidentiality

The law requires that all health care professionals maintain the highest level of confidentiality in matters pertaining to clients. Discussions or written assignments relating to client information, either health related or personal, may not include identifying data. Clients' privacy and rights are to be protected.

Failure to maintain confidentiality could result in legal action.

**Substance abuse**

As a practical application of its motto, "To make man whole," Loma Linda University is committed to providing a learning environment conducive to the fullest possible human development. Because the



**Special examination**

No provision is made for quizzes or examinations missed because of voluntary absences. An exception is made in the case of a disabling disease or other compelling emergency. An excused absence must be signed by a student health physician or the associate dean for student affairs and must be presented to the instructor within three days of the absence. To take an examination at a time other than that for which it is scheduled, the student must secure in advance the consent both of the instructor and of the associate dean for academic affairs.

**Length of academic residence**

To fulfill the requirement pertaining to length of academic residence, the student must be registered for a full course load at the University for the entire senior year for the Bachelor of Science degree; and the entire D3 and D4 years for the Doctor of Dental Surgery degree.

**SCHOLASTIC STANDING****Grades and grade points**

The following grades and grade points are used in this University. Each course taught in this School has been approved for either a letter grade or an S/U grade, and deviations from this are not allowed.

A	4.0	<b>Outstanding</b> performance.
A-	3.7	
B+	3.3	
B	3.0	<b>Very good</b> performance.
B-	2.7	
C+	2.3	
C	2.0	<b>Satisfactory</b> performance.
C-	1.7	<b>Minimum</b> performance for which credit is granted.
D+	1.3	<b>Unsatisfactory</b> performance. To apply toward degree, course work must be remediated or repeated at next course offering.
D	1.0	
F	0.0	<b>Failure.</b> To apply toward degree, course work must be repeated at regular course offering.
S	none	<b>Satisfactory</b> performance—counted toward graduation. Equivalent to a C grade or better in undergraduate courses, or a B grade or better in graduate courses. An S grade is not computed in the grade-point average. A student may request a grade of S in only a limited amount of course work as determined by the School. This is done by the student's filing with the Office of University Records the appropriate form prior to fourteen calendar days before the final examination week. Once filed, the grade is not subject to change.

U none **Unsatisfactory** performance—given only when performance for an S-specified course falls below a C grade level in an undergraduate course or a B grade level in a graduate course. Similar filing procedures as given for S grade above are required. The U grade is not computed in the grade-point average.

S/N none **Satisfactory** performance in a clock-hour course. Not included in total units. Same grading criteria as the S grade given for a credit-hour course.

U/N none **Unsatisfactory** performance in a clock-hour course. Not included in total units. Same grading criteria as the U grade given for a credit-hour course.

CR none **Credit for Credit by Examination.** Counted toward graduation/units earned, but not units attempted. Such credit cannot be counted for financial aid purposes.

NC none **No credit for Credit by Examination.** Does not count for any purpose.

**Notations**

W **Withdrawal**—given for withdrawal from a course prior to fourteen calendar days before the final examination week. Withdrawals during the first fourteen calendar days of a quarter or the first seven calendar days of a five-week summer session are not recorded if the student files with the Office of University Records the appropriate form prior to the cut-off date. Withdrawals outside this time frame, upon recommendation of the dean, may be removed at the discretion of the vice chancellor for academic affairs.

In the case of nontraditionally scheduled courses, W will be given for withdrawal from a course prior to completion of 80 percent of the course, excluding the final examination period. Withdrawals during the first 20 percent of a course, excluding the final examination period, are not recorded if the student files with the Office of University Records the appropriate form prior to the date when this 20 percent of the course is completed.

A student may withdraw only once from a named cognate course that s/he is failing at the time of withdrawal.

UW **Unofficial Withdrawal**—indicates that the student discontinued class attendance after the close of registration but failed to withdraw officially.









- Failure to fulfill terms of academic probation within the specified time period.
- Failure to meet criteria for promotion to D2 year by the end of the D1 year.

#### **D2 Year**

- Any term with one or more failing grades, regardless of term or cumulative G.P.A.
- Four or more unsatisfactory or failing grades since enrollment in the program, regardless of term or cumulative G.P.A.
- Failure to fulfill terms of academic probation within the specified time period.
- Level 4 academic probation
- Failure to meet criteria for promotion to D3 year by the end of the D2 year.

#### **D3 Year**

- Any term with one or more failing grades, regardless of term or cumulative G.P.A.
- Five or more unsatisfactory or failing grades since enrollment in the program, regardless of term or cumulative G.P.A.
- Failure to fulfill terms of academic probation within the specified time period.
- Level 4 academic probation.
- Failure to meet criteria for promotion to D4 year by the end of the D3 year.

#### **D4 Year**

- Failure to pass either section of the National Board Examination within three attempts.
- Failure to achieve eligibility for graduation within five full academic years of enrollment in the dental program. Exception for students who are required to repeat an academic year or who are on a split program. These students must achieve eligibility for graduation within one year of the new graduation date assigned at the time of change to an alternate program.

#### **Dental hygiene juniors**

- Any term with one or more failing grades, regardless of term or cumulative G.P.A.
- Three or more unsatisfactory or failing grades within the academic year, regardless of term or cumulative G.P.A.
- Three consecutive quarters on academic probation.
- Failure to fulfill terms of academic probation within the specified time period.
- Failure to meet criteria for promotion to DH Senior year by the end of the DH junior year.

#### **Dental hygiene seniors**

- Failure to pass the National Board Examination within three attempts.
- Failure to achieve eligibility for graduation within three full academic years of enrollment in the dental hygiene program.

In some situations the Academic Review Committee may recommend that a student repeat

an academic year (or portion thereof) as an alternative to discontinuation.

### **RETURNING FROM ACADEMIC LEAVE OF ABSENCE**

A student who is required to repeat an entire academic year or portion thereof because of academic difficulties must use the following guidelines when registering:

1. The repeating student must be registered for all courses for the term being repeated.
2. The student may withdraw from courses only upon the approval of the course director and the associate dean for academic affairs.

### **PERSONAL LEAVE OF ABSENCE**

A leave of absence may be for as short as one day and is defined as being away from school for a nonillness-related obligation, which may or may not be School sponsored. The appropriate Personal Leave of Absence form, requiring instructor and administrator signatures, must be obtained from the School of Dentistry Office of Student Affairs and be completed prior to departure.

### **RE-ENTRANCE REQUIREMENTS**

A student who wishes to return from academic or other leave of absence must first submit a letter to the associate dean for academic affairs requesting readmission to the program. The request will be reviewed by the School of Dentistry Academic Review Committee in consultation with other committees or administrators, as needed. The student will be contacted by the associate dean for academic affairs with the decision of the committee. If the request for readmission is approved, the student must complete a Re-entry Form, available at the Office of Academic Affairs.

### **GRIEVANCE PROCEDURE**

If a student wishes to contest a grade, s/he should discuss the grade first with the instructor, where appropriate; then with the course director, if applicable; and finally with the department chair. If the student is not satisfied, s/he may then appeal to the associate dean for academic affairs.

### **APPEAL PROCESS**

If a student wishes to appeal a suspension or discontinuation, appeal for reinstatement may be made directly to the dean of the School of Dentistry. Final appeal may be made to the chancellor of the University. In the case of an appeal to the chancellor of the University, action taken will be limited to either denial of the appeal or a referral back to the School of Dentistry for further consideration. Such

appeals are not expected to be routine and should be considered only in circumstances where new and relevant information exists that was not available for consideration by the Academic Review Committee.

## ACADEMIC DISHONESTY

The academically dishonest act intentionally violates the community of trust upon which all learning is based, and intentionally compromises the orderly transfer of knowledge from teacher to student.

Examples of academic dishonesty include but are not limited to:

- a. copying from another student's paper during examinations or quizzes;
- b. using unauthorized aids during examinations or quizzes;
- c. looking at another individual's examination or quiz in a way that appears that information is being sought;
- d. communicating with another student during examinations or quizzes;
- e. loud and disruptive behavior during lectures, demonstrations, or examinations;
- f. plagiarism or excessive paraphrasing of someone else's work in a written assignment;
- g. falsifying or changing of grades or other academic records; and/or
- h. excessive unexcused absences from classes or from clinical assignments.

When allegations of misconduct are made, the instructor should confront the accused student to determine whether or not some reasonable explanation exists. If no satisfactory explanation exists, the allegation must be reported to the associate dean for student affairs, who will initiate procedures as outlined in the School of Dentistry section of the University *Student Handbook* 2002. Each student is responsible for reporting ethical misconduct to an instructor or directly to the associate dean for student affairs.

## TRANSCRIPTS

The Office of University Records provides transcripts to other institutions or to the student or graduate only upon the written request of the student or graduate. Communications such as transcripts, statements of completion, diplomas, and certificates are issued only for those whose financial obligation to the University has been met.

## SPECIFIC PROGRAM REQUIREMENTS

Information on the preceding pages pertains to general requirements governing all students. The student is reminded of individual responsibility to be fully informed not only of these general requirements but also of the specific requirements in the following pages, 332.71saI0 0 10 tmthe

# III

## SERVICE LEARNING

# Service Learning

**S**ervice Learning is a program at Loma Linda University School of Dentistry that continues the original purpose of the School to train dental health professionals to provide service to the underserved, both locally and abroad.

Field experience for students of dentistry and dental hygiene include extramural mission experience within the U.S. and in several foreign countries, local health fairs, and elementary school dental health presentations. These service opportunities may last from one day to several weeks.

During the four-year program, each dental and dental hygiene student is required to complete assigned service learning rotations.

Students are required to be in good and regular standing to be eligible to participate in elective international service-learning experiences.

The student association also provides opportunities for service within the School, which include student-sponsored “free clinics” to underserved populations.





# IV

## PROGRAMS AND DEPARTMENTS

Programs and Degrees

Codes and Course Numbers

Basic Sciences Departments

Anatomy

Biochemistry and Microbiology

Physiology and Pharmacology

The Dental Hygiene Program

The General Dentistry Program

The General Dentistry Departments

Dental Anesthesiology

Dental Educational Services

Endodontics

Oral Diagnosis, Radiology, and Pathology

Oral and Maxillofacial Surgery

Orthodontics and Dentofacial Orthopedics

Pediatric Dentistry

Periodontics

Restorative Dentistry

# Programs and Degrees

**T**he departments of the School of Dentistry offer a comprehensive range of programs. Each of the School's five programs draws on the offerings of these departments.

The School's undergraduate curriculum—the Dental Hygiene Program—prepares the dentist's assistant to enter a variety of careers. Dental hygiene is a four-year college curriculum; the junior and senior years are taken in the LLU School of Dentistry.

The four-year General Dentistry Program equips the general dentist to meet the needs of a diverse patient population.

The Combined-Degrees Programs enable the student to earn D.D.S./M.S. degrees or D.D.S./Ph.D. degrees by taking programs concurrently in the School of Dentistry and the Graduate School; or to earn D.D.S./M.P.H. degrees by taking programs concurrently in the School of Dentistry and the School of Public Health.

The twenty-one-month International Dentist Program is designed for the dentist whose dental degree was earned outside the United States. Upon completion of the program, the student earns a D.D.S. degree from Loma Linda University.

The Advanced Dental Education Programs lead to postdoctoral certificates in eight specialty and nonspecialty areas of dentistry—and, at the student's option, additionally, to the Master of Science degree.

## PROGRAM REQUIREMENTS

**S**ections IV, V, and VI give the setting for each program the School of Dentistry offers. The subject and unit requirements for admission to individual professional programs are outlined. It is important to review specific program requirements in the context of the general requirements applicable to all programs.

# Codes and Course Numbers

The following course-numbering system and codes are used throughout this BULLETIN.

## UNIT OF CREDIT

Credit is indicated in quarter units: a quarter unit represents eleven class hours in lecture or conference, or in a combination of laboratory practice and instruction.

## COURSE NUMBER

Ordinarily, course numbers reflect the year in which the courses are taken.

### UNDERGRADUATE

101-199 Freshman  
 201-299 Sophomore  
 301-399 Junior  
 401-499 Senior

### ADVANCED

501-599  
 601-699

### PREDOCTORAL

701-749 Year D1  
 751-799 Year D2  
 801-849 Year D3  
 851-899 Year D4

## CODES

### SUBJECT AREAS

The subject areas are indicated by code letters as follows:

ANAT	Anatomy
ANES	Dental Anesthesiology
BCHM	Biochemistry
BSES	Applied Basic Science
DNES	Dental Educational Services
DNHY	Dental Hygiene
ENDN	Endodontics
IDP__	International Dentist Program
IMPD	Implant Dentistry
MICR	Microbiology / Immunology
ODRP	Oral Diagnosis, Radiology, and Pathology
OMFS	Oral and Maxillofacial Surgery
ORDN	Orthodontics and Dentofacial Orthopedics
PEDN	Pediatric Dentistry
PERI	Periodontics / Periodontics and Implant Surgery
PHSL / PHRM	Physiology and Pharmacology
PROS	Prosthodontics
REL__	Religion
RESD	Restorative Dentistry

### FACULTY APPOINTMENT CODES

The two letters immediately after the names of some faculty members indicate the University School in which the primary appointment is held.

GS	Graduate School
SM	School of Medicine
PH	School of Public Health



## The Basic Sciences Departments

**T**he Loma Linda University departments of basic sciences include anatomy, biochemistry and microbiology, and physiology and pharmacology. The basic sciences serve as the foundation for the dental sciences by leading toward an understanding of normal structure and function, as well as introducing the basis for pathology in the practice of dentistry.

Subjects are taught in the first year of the dental hygiene and the first two years of the general dentistry curricula as parts of three conceptually integrated sequences of

# ANATOMY

PEDRO B. NAVA, JR., SM, Coordinator, Human Anatomy

The Department of Anatomy provides students with the opportunity to learn the fundamental morphology of the human body, including gross anatomy, histology, neuroanatomy, and embryology. This focus provides a basic fund of structural knowledge that is essential for dentists. The faculty are dedicated to providing students with tools that expand their thinking and challenge them to ask probing questions and to earnestly search for answers. The department's aim is to prepare students to excel scientifically and, through our Christian atmosphere, to become truly compassionate dentists.

## FACULTY

Bertha C. Escobar-Peni  
William M. Hooker  
Michael A. Kirby

Paul J. McMillan  
Pedro B. Nava  
Kerby C. Oberg  
Kenneth R. Wright

## COURSES

### DENTAL HYGIENE

**ANAT 301 Head and Neck Anatomy, DH (4)**  
Gross anatomy of the human body. Lecture, laboratory, and demonstration.

**ANAT 303 General and Oral Histology and Embryology (3)**  
Microscopic study of fundamental cells, organs, tissues, and systems of the body. Detailed analysis of the pulp, periodontal membrane, alveolar process, oral mucosa, and calcified tissues of the tooth.

### DENTISTRY

**ANAT 506 Neuroscience, DN (5)**  
Basic anatomy and physiology of the human nervous system. Biophysical and structural concepts necessary for understanding all aspects of neurologic functioning.

**ANAT 508 Human Anatomy for Dentists I, DN (7)**  
Study of the structure of the human body at the macroscopic and microscopic levels, including developmental considerations. Case-based studies designed to help the student integrate anatomy into clinical situations.

**ANAT 509 Head and Neck Anatomy for the Dentist, DN (8)**  
Study of the structure of the human body, focusing on the head and neck, at the macroscopic and microscopic levels. Developmental processes emphasized. Clinical correlations included to integrate anatomy with dentistry. Continuation of ANAT 508.



# PHYSIOLOGY AND PHARMACOLOGY

LAWRENCE C. SOWERS, Acting Chair

**U**pon completion of the physiology courses, students will be able to describe the normal physiological functions of the major body systems. They will be familiar with the basic concepts and information relating to the cardiovascular, respiratory, renal, gastrointestinal, and endocrine systems appropriate to current clinical application. Students will also be oriented to current research in physiology.

In pharmacology, students will be able to describe the principles and basic concepts of drug action, safety, and disposition. They will be able to recognize and classify the drugs commonly used in dentistry and be able to describe the major concepts relating to their actions, mechanism(s) of action, disposition, major side effects, and uses. Students will also have an introductory understanding of the application of this knowledge to clinical cases.

## FACULTY

C. Raymond Cress  
Raymond G. Hall

## COURSES

### DENTAL HYGIENE

**PHRM 411 Pharmacology, DH (2)**  
Uses, actions, and potential toxic effects of medications most frequently used by dental patients.

### DENTISTRY

**PHRM 501 Pharmacology and Therapeutics, SD (4)**  
Principles of drug action: drug receptors, absorption and fate of drugs, drug toxicity, and drug development. Systematic consideration of the pharmacology and clinical applications of the major drugs used by dental patients. Demonstrations illustrating the effects of drugs in animals and man.

**PHRM 503 Clinical Pharmacology in Dentistry (2)**  
Use of medications in the treatment of dentally related diseases, and their potential interaction with total patient care.

**PHSL 504 Physiological Systems of the Human Body (5)**  
Physiological bases of normal function. Lectures and laboratory demonstrations illustrating the physiological principles and systems in man.

**PHSL 505 Homeostatic Mechanisms of the Human Body (4)**  
Physiological basis of homeostatic control mechanisms. Lectures and laboratory demonstrations illustrating how the various systems of the body are controlled.

# The Dental Hygiene Program

KRISTI WILKINS, Chair

**E**stablished in 1959, the Department of Dental Hygiene, the undergraduate program of the School of Dentistry, is largely concerned with preventive oral health services and maintenance care. Dental science courses, preclinical lectures and seminars, laboratory exercises, and clinical assignments have been developed to provide training in the variety of procedures delegated to the dental hygienist within the dental practice setting. These experiences are sequenced in an organized manner that provides for continual growth and competency in performance of all traditional and expanded-function procedures. The purpose of the program is to develop professionals prepared for the current practice of dental hygiene, as well as graduates who are additionally prepared to deal with future changes in dentistry. Courses that encourage analytical thinking and problem-solving techniques and that enhance the ability to evaluate the latest in research are important adjuncts to clinical training. Upon completion of this curriculum, graduates will be prepared to enter a variety of career options available to a dental hygienist.

## FACULTY

Darlene Armstrong  
Janeen Duff  
Debra Friesen  
Marilynn Heyde

Shirley Lee  
Karen Simpson  
Jonell Stephens  
Kristi Wilkins  
Shelly Withers

## DENTAL HYGIENE CURRICULUM

### BACHELOR OF SCIENCE

Dental hygiene, a profession dating back to 1913, is largely concerned with preventive health services. The hygienist works in association with the dentist in private-practice offices, industrial organizations, schools, hospitals, state or federal public health services, and the armed forces. Salary ranges compare with those for registered nurses.

The curriculum is organized as a four-year college program leading to the Bachelor of Science degree. The freshman and sophomore year's pre-entrance study may be taken at any accredited college. The professional program begins with the junior year in the School of Dentistry. The program is approved by the Commission on Dental Accreditation of the American Dental Association. The first class at this University graduated in 1961.

#### Philosophy

A profession in the health arts and sciences calls increasingly for persons of intelligence, integrity, industry, responsibility, and depth of human understanding. Therefore, the program of instruction is planned on a strong liberal arts foundation. The student is encouraged to take electives that contribute to breadth of knowledge and quality of values. The choice of electives in early college work is important for many reasons.

The School of Dentistry is interested in applicants with the potential to become hygienists who are well-read and gracious persons—prepared to communicate effectively in professional and community relationships. They should be able to draw on knowledge of the structure and function of the human body in health and disease, applying resources based on Christian ideals and values to aid in the solution of personal problems. They should also be able to develop the attitudes and skills that will most effectively serve society.

#### Goal

The goal of the Dental Hygiene Program is to educate competent, concerned, and active members of the dental hygiene profession who possess the ability to effectively perform the expanding scope of practice of the dental hygienist.

Loma Linda University emphasizes Christian values and beliefs and the concept of whole-person care. Opportunities for spiritual growth and fellowship among faculty and students are interwoven into daily academic pursuits, clinical practice, and social interactions.

The advancement of dental hygiene depends on an ever-growing body of knowledge. Therefore, this program also places great importance on providing an atmosphere in which students can develop the skills necessary to objectively assess new theories and trends in dentistry, in light of scientific knowledge and principles. By combining Christian values with an appreciation for research and the scientific

method, graduates will continually apply sound principles to patient care and exhibit God's love in the quality of service they render.

#### Admission

The student must have a diploma or its equivalent from a four-year secondary school, and must meet college-entrance requirements. After successful completion of the prescribed pre-entrance course work in an accredited college or university, admission to the Dental Hygiene Program is in the junior year.

For entrance to the junior professional year, the applicant must have:

- 96 quarter or 64 semester units of acceptable college credit.

**NOTE: Loma Linda University requires all students who graduate with a baccalaureate degree to complete a minimum of 68 quarter units of general education, which are integrated into the entire undergraduate program. See section VIII of this BULLETIN, Division of General Studies, for information regarding this requirement.**

- good scholastic standing, with a grade-point average of 2.5 or higher in science and in non-science course work, averaged separately; a minimum grade of C for all pre-entrance course work to be transferred to the University. The entering grade-point average is 3.0 or above.
- acceptable personal qualities.
- a personal interview with a representative designated by the School.
- the subject requirements outlined hereafter.

#### Office experience

It is strongly recommended that the pre-professional student seek experience observing and assisting in a dental office, not necessarily for remuneration. Such experience provides opportunities for familiarization with the procedures of the dentist's office and ascertaining one's interest in and fitness for the practice of dental hygiene.

#### Regulations

The student is also subject to the conditions of registration, attendance, financial policy, governing practices, and graduation requirements outlined in other sections of this BULLETIN.

#### Employment

Dental hygiene students may accept part-time employment during the school year after receiving approval from the department chair and the associate dean for academic affairs. Permission to work is determined on the basis of grades, class load, and health. Work hours may not interfere with class, laboratory, or clinic assignments.

#### Supplies

For the professional years of the program, the student must have prescribed textbooks, supplies, instruments, and uniforms. The official instrument issue must be purchased from the School of Dentistry supply room during registration. Unauthorized or

incomplete equipment is not acceptable. Advance consent must be obtained for any exception. The student must buy the professional apparel (uniforms, eyewear, and shoes) specified by the School.

## AWARDS

Dental hygiene students are eligible to receive awards by demonstrating scholastic attainment, leadership ability, technical and professional competency, and other accomplishments and achievements that reflect the ideals of the dental hygiene profession.

The DEAN'S AWARD is given for excellence in the combined characteristics of clinical ability and professionalism. Selection is based on the recommendation of the dental hygiene faculty and the dean.

The BATES AWARD is given to the student who demonstrates notable achievement during training. Selection is by vote of the faculty.

The CALIFORNIA DENTAL HYGIENISTS' ASSOCIATION OUTSTANDING LEADERSHIP AWARD is presented by the California Dental Hygiene Association to a student demonstrating professional leadership. The recipient of this award is selected by the dental hygiene class and faculty liaison.

The DENTAL HYGIENE ACADEMIC EXCELLENCE AWARD is presented for exceptional performance on the Dental Hygiene National Board Examination.

The KLOOSTER HUMANITARIAN AWARD is given to the student who demonstrates a spirit of giving, kindness, and enthusiasm. Selection is by vote of the faculty.

The MIDDLETON AWARD is given in recognition of high standards of service, spiritual leadership, and dedication to church and humanity. The recipient of this award is chosen by the class.

The MITCHELL AWARD is given by vote of the class to the student considered to be the most outstanding leader during the two years of dental hygiene training.

The RESEARCH AWARD is given to the student who demonstrates a spirit of giving, kindness, and enthusiasm. Selection is by vote of the faculty.

The candidate completing requirements in the Spring Quarter is expected to be present at the commencement exercises and receive the diploma in person. Permission for the degree to be conferred in absentia is contingent upon the recommendation of the dean to the chancellor and can be granted only by the chancellor. If a candidate has not satisfactorily fulfilled all requirements, the University reserves the right to prohibit participation in commencement exercises.

### **PRE-DENTAL HYGIENE SUBJECT REQUIREMENTS FOR ADMISSION**

**A** student must complete 96 quarter or 64 semester units of transferable college course work.

#### **General education requirements**

The general education courses required for earning the baccalaureate degree are to be selected from the areas/domains listed in the Division of General



## DISTRIBUTION OF INSTRUCTION

## Junior Year

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
<b>AUTUMN QUARTER</b>							
†ANAT	301	Head and Neck Anatomy	33	33	-	66	4
†DNHY	303	Dental Materials and Techniques	11	22	-	33	2
†DNHY	305	Dental Anatomy, Lecture	22	-	-	22	2
†DNHY	305L	Dental Anatomy, Laboratory	-	44	-	44	1
†DNHY	309	Radiology I	33	28	-	61	3
†DNHY	321	Preclinical Dental Hygiene, Lecture	22	-	-	22	2
†DNHY	321L	Preclinical Dental Hygiene, Laboratory	-	66	-	66	2
RELF	406	Adventist Beliefs and Life	22	-	-	22	2
			143	193	0	336	18
<b>WINTER QUARTER</b>							
†ANAT	303	General and Oral Histology and Embryology	22	33	-	55	3
†ANES	314	Local Anesthesia and Inhalation Sedation	41	14	-	55	4
†DNHY	310	Radiology II	22	28	-	50	2
†DNHY	322	Preclinical Dental Hygiene, Lecture	22	-	-	22	2
†DNHY	322L	Preclinical Dental Hygiene, Laboratory	-	66	-	66	2
†DNHY	375	Dental Hygiene Clinic	-	-	44	44	1
†*DNHY	380	Medically Compromised Patient (1 of 2)	22	-	-	22	2
†*PHRM	411	Pharmacology (1 of 2)	11	-	-	11	1
			140	141	44	325	17
<b>SPRING QUARTER</b>							
†DNHY	323	Preclinical Dental Hygiene, Lecture	22	-	-	22	2
†DNHY	323L	Preclinical Dental Hygiene, Laboratory	-	40	-	40	1
†*DNHY	376	Dental Hygiene Clinic (1 of 2)	-	-	88	88	2
†*DNHY	380	Medically Compromised Patient (2 of 2)	22	-	-	22	2
†DNHY	405	Introduction to Periodontics	22	-	-	22	2
†ODRP	311	General and Oral Pathology	55	-	-	55	5
†*PHRM	411	Pharmacology (2 of 2)	11	-	-	11	1
RELE	457	Christian Ethics and Health Care	22	-	-	22	2
			154	40	88	282	17

† Core course; minimum grade of C- required

**Senior Year**

			CLOCK HOURS			UNITS		
			Lec./Semr.	Lab.	Clin.	Total		
<b>SUMMER QUARTER</b>								
†BSES	305	The Etiology and Management of Dental Caries	16	8	-	24	2	
†DNHY	324	Preclinical Dental Hygiene, Lecture	22	-	-	22	2	
†DNHY	324L	Preclinical Dental Hygiene, Laboratory	-	33	-	33	1	
†DNHY	376	Dental Hygiene Clinic (2 of 2)	-	-	176	176	4	
	DNHY	390	Introductory Statistics	33	-	-	33	3
†DNHY	406	Orthodontic Concepts for Dental Hygiene	11	-	-	11	1	
†DNHY	416	Dental Health Education I	22	-	-	22	2	
†DNHY	421	Research Design	8	30	-	38	2	
			112	71	176	359	17	
<b>AUTUMN QUARTER</b>								
†DNHY	417	Dental Health Education II	22	-	-	22	2	
†DNHY	422	Research II	11	22	-	33	2	
†DNHY	435	Special Topics in Periodontal Therapy	22	-	-	22	2	
†DNHY	451	Clinical Seminar/Dental Hygiene Topics	33	-	-	33	3	
†DNHY	475	Dental Hygiene Clinic I	-	-	176	176	4	
RELE	475	The Art of Integrative Care	22	-	-	22	2	
			110	22	176	308	15	

**WINTER QUARTER (RELE) (0.52)1.11sT1\_8ppled Nutri1 Tf.118889 0.5 0-Td(RELE)61037(465)-1666(The Art of Int (2 of 2))-1**

## COURSES

## DENTAL HYGIENE

**DNHY 303 Dental Materials and Techniques (2)**  
Materials and equipment used in dentistry. Practice in the manipulation and use of common materials.

**DNHY 305 Dental Anatomy, Lecture (2)**  
Anatomy of the teeth and surrounding tissues.

**DNHY 305L Dental Anatomy, Laboratory (1)**

**DNHY 309 Radiology I (3)**  
Principles governing radiation production and safety relative to radiographic anatomy/dental materials. Fundamentals of intraoral and extraoral techniques, darkroom procedures, and mounting of radiographs. Practical application of techniques.

**DNHY 310 Radiology II (2)**  
Continuation of laboratory techniques plus radiograph interpretation of the teeth and surrounding bony structures.

**DNHY 321 Preclinical Dental Hygiene I, Lecture (2)**  
Preclinical phases of dental hygiene, including instrumentation techniques, patient management, intra- and extraoral soft-tissue assessment, charting procedures, disease processes, patient-health assessment, basic operator preparation, clinical asepsis, and oral health care techniques.

**DNHY 321L Preclinical Dental Hygiene I, Laboratory (2)**

**DNHY 322 Preclinical Dental Hygiene II, Lecture (2)**  
Continuation of DNHY 321.

**DNHY 322L Preclinical Dental Hygiene II, Laboratory (2)**

**DNHY 323 Preclinical Dental Hygiene III (2)**  
Continuation of DNHY 322.

**DNHY 323L Preclinical Dental Hygiene III, Laboratory (1)**

**DNHY 324 Preclinical Dental Hygiene IV (2)**  
Continuation of DNHY 323.

**DNHY 324L Preclinical Dental Hygiene IV, Laboratory (1)**

**DNHY 375 Dental Hygiene Clinic (1)**  
Clinical application of skills and techniques of dental hygiene. Prophylaxes on pediatric and adult patients.

**DNHY 376 Dental Hygiene Clinic (2, 4)**  
Continuation of DNHY 375.

**DNHY 380 Medically Compromised Patients (2)**  
Lectures dealing with the medically compromised patient relative to the use of local anesthetics, drug interactions, need for antibiotic premedication, and necessary modification in treatment planning.

**DNHY 390 Introductory Statistics (3)**  
Fundamentals of statistical analysis and critique of research data in scientific literature and in student-research projects. Inferential and descriptive statistics, frequency distribution, histograms, bar graphs, and statistical tests. Laboratory computer practice in preparing and analyzing research data. Dom. II

**DNHY 405 Introduction to Periodontics (2)**  
Review of gross and microscopic anatomy of the periodontium in health and disease. Primary etiology of periodontal disease. Examination of patients' clinical periodontal status. Introduction to the diagnostic and treatment-planning process.

**DNHY 406 Orthodontic Concepts for Dental Hygiene (1)**  
Basic skeletal and dental growth and development as applied to orthodontics. Treatment modalities. Retention principles and methods. Impressions for orthodontic models. Intraoral measurements for orthodontic procedures. Placing and removing orthodontic separators. Placing, ligating, and removing prepared arch wires. Removing excess cement from orthodontic bands. Checking for loose bands. Seating adjusted retainers and headgear. Instructing the patient. Using ultrasonic scaler to remove excess cement.

**DNHY 408 Professional Ethics (2)**  
Develops understanding of hygienist's obligations to the public and to his/her professional association. Defines the ethical and mature conduct expected of professional health care providers. Compares and contrasts professional ethics and personal morality as they relate to dental hygiene practice. Dom. I

**DNHY 409 Jurisprudence (2)**  
Laws and regulations that govern the practice of dental hygiene, with special emphasis on California regulations. Standards of government regulations. Obligations of the hygienist to the public and to his/her profession. Dom. I

**DNHY 412 Dental Hygiene Topics II (2)**  
Preparation for the Dental Hygiene National Board examination. Areas covered include multiple special-needs patients, pulp vitality, and case reviews. Continued instruction in advanced clinical skills, such as building clinical speed. Continued development of the professional portfolio.

**DNHY 413 Dental Hygiene Topics III (2)**  
All employment aspects of dental hygiene, including resume writing, interviewing, benefits/remuneration, termination, job services, family violence, and introduction to managed care, soft-tissue management, and marketing. Completion of a professional portfolio.

**DNHY 414 Personal Finance (2)**  
Personal finance topics, including credit, taxes, insurance, real estate, budgeting, housing, and inflation. Dom. II

**DNHY 415 Applied Nutrition (2)**  
Basic concepts of nutrition. Recognition of a balanced diet. Evaluation of the specialized nutritional needs of the young, the medically compromised, and the aging patient. Dietary assessment and counseling. Health-behavior change. Dom. IV

**DNHY 416 Dental Health Education I (2)**

Current theories and principles of psychology as they relate to learning and teaching, personality development and change, and interpersonal processes and dynamics.

**DNHY 417 Dental Health Education II (2)**

Principles and practices involved in teaching dental public health. Fieldwork in local schools and community. Methods and practice of professional presentation.

**DNHY 418 Critical Issues of Health Care (2)**

Old age as part of the natural developmental sequence. Physical, psychological, and social needs of the elderly. Ways the allied health practitioner can contribute to wellness and independence. Important issues of HIV/AIDS, including global impact, prevention, treatment, and ethical issues.

**DNHY 421, 422, 423 Research I, II, III (2, 2, 1)**

Introduction to research methodology. Evaluation of literature, with emphasis on statistics adequate for interpretation of the literature. Review of literature, design of a research proposal in preparation for professional presentation of a table clinic. Conduct of research experiment or project culminating in presentation of the results at a professional meeting.

**DNHY 431 Dental Public Health (3)**

Philosophy, principles, language, and objectives of public health and public health dentistry. Critical review of the literature.

**DNHY 435 Special Topics in Periodontal Therapy (2)**

A study of advanced periodontal topics and special problems related to periodontal therapy.

**DNHY 451 Clinical Seminar / Dental Hygiene Topics (3)**

Topics and issues directly and indirectly related to clinic, the national board examination, state and regional dental hygiene examinations, and individual student case presentations—followed by class discussion of the issues presented.

**DNHY 452, 453 Clinical Seminar II, III (1, 1)**

Topics and issues directly and indirectly related to clinic, the national board examination, state and regional dental hygiene examinations, and individual student case presentations—followed by class discussion of the issues presented.

**DNHY 475, 476, 477 Dental Hygiene Clinic I, II, III (4, 4, 4)**

Integration of all components of dental health care into the clinical treatment of patients.

**DENTAL SCIENCES****ANES 314 Dental Anesthesia: Local Anesthesia and Inhalation Sedation (4)**

Physiologic and psychologic aspects of pain and anxiety. A philosophy of patient management, including use of local anesthetics and nitrous oxide/oxygen sedation. History, patient evaluation; pharmacology, armamentarium, complications regarding use of these agents; and management of office emergencies. Students practice local anesthetic injections and administer nitrous oxide/oxygen to each other.

**BSES 305 The Etiology and Management of Dental Caries (2)**

Application of biochemistry, microanatomy, physiology, and microbiology to the study of the normal oral environment. Provides a basis for study of the pathogenesis of dental caries and periodontal diseases. Taught conjointly with DNES 705 but with separate evaluation.

**ODRP 311 General and Oral Pathology, DH (5)**

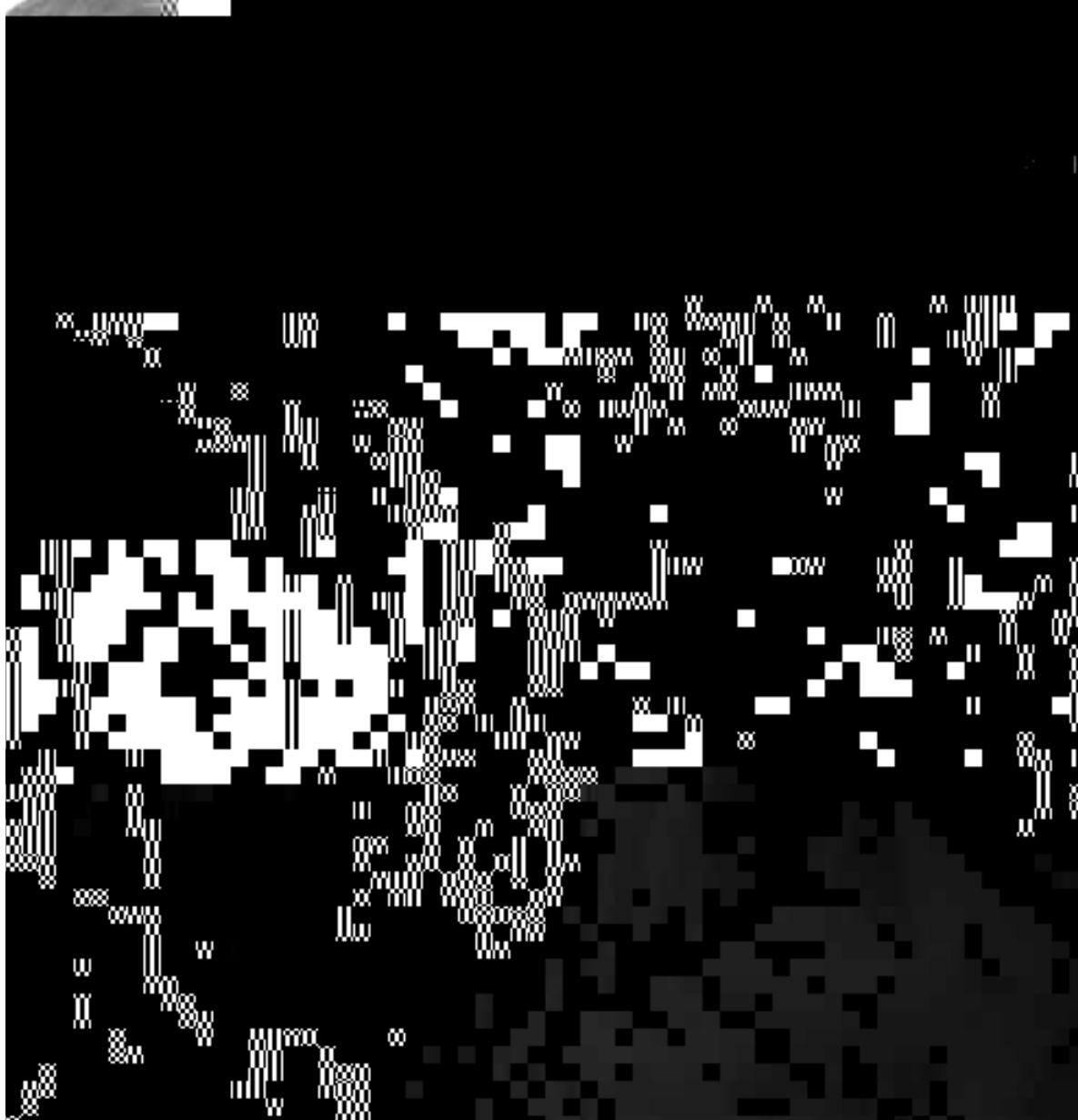
Basic disease processes and selected organ-system diseases. Classification, etiology, and recognition of common oral diseases.

**COGNATES****ANAT 301 Head and Neck Anatomy, DH (4)**

Gross anatomy of the human body. Lecture, laboratory, and demonstration.

**ANAT 303 General and Oral Histology and**

evaluation.



# The General Dentistry Program

**T**he goal of the General Dentistry Program is to train practitioners in the delivery of high-quality dental care that is preventive in purpose and comprehensive in scope, and that is based on sound biological principles.

## GENERAL DENTISTRY CURRICULUM

### DOCTOR OF DENTAL SURGERY

**D**entistry, like all health professions, exists to benefit society and therefore continually assesses its professional services to ascertain what measures, attitudes, and skills most effectively serve society.

The School of Dentistry is committed to:

- Beginning the curriculum with a strong foundation in the sciences that are basic to knowledge of the structure and function of the human being in health and in sickness.
- Providing an educational environment that progressively leads a student to mastery and correlation of clinical sciences and skills.
- Developing a frame of reference from which to mobilize the resources of dentists and associated professional personnel in both delivery of health care and contribution to community well-being by education for the prevention of illness.

These concepts include responsibility for contributing to the body of scientific knowledge by questioning, investigating, and teaching; for remaining sensitive and adaptive to the needs of humanity in ever-changing conditions; and for maintaining consciousness of the individual obligation to live, practice, and strive for the good of humanity.

The curriculum in dentistry, organized to be completed in four academic years, fulfills requirements for the Doctor of Dental Surgery degree.

#### Objective

The primary objective of the dental curriculum is to graduate men and women who attest to the purpose of the University and the goals of the School of Dentistry, which include advancing knowledge and understanding of health, disease, and ways to improve health and the dental health care-delivery system through basic and applied research.

#### Admission standards

Before starting the first (D1) year, the applicant must have completed a minimum of three academic years and no fewer than 96 semester or 144 quarter units in a college accredited by a

regional accrediting association. Acceptance is contingent on completion of specified subject requirements. A four-year undergraduate curriculum leading to a bachelor's degree is highly recommended. A student having completed such a degree is given preference for admission to the dental program.

As a rule, credits earned in professional schools (business, medical technology, nursing, veterinary medicine, pharmacy, or medicine) do not fulfill admission requirements.

Loma Linda University School of Dentistry insists that all dental students must possess the capabilities required to complete the full curriculum in the allotted time and to achieve the levels of competence required by the faculty. In broad terms, the following are standards required for admission:

- Intellectual capability to complete the curriculum.
- Emotional adaptability and stability.
- Social and perceptual skills.
- Physical ability to carry out activities in observations and communications, and the possession of sufficient motor and sensory abilities to practice general dentistry.

For admission, the applicant must meet specific criteria related to past academic performance (G.P.A.), performance on the Dental Admission Test, and analysis of a personal profile interview. The weight given to these admission factors is approximately equal.

Students who are enrolled in a graduate program in the University are not considered for admission until they have completed or have been released from the graduate program.

Credits for college work should show a minimum grade-point average of 2.7 in science subjects and in nonscience subjects, averaged separately. The student must have a grade of C or above for all required pre-entrance course work.

Prior to consideration for admission, the applicant is required to have taken the test recommended by the American Dental Association. The student entering the first (D1) year is expected to have taken the test within the past two years, preferably not later than October of the year preceding admission. At the applicant's request, test results are sent to the School by the testing service. Information may be obtained directly from the American Dental Association,

211 East Chicago Avenue, Chicago, IL 60611. Or an application form and descriptive material may be obtained from the School of Dentistry.

### Physical requirements

A technical standards policy defines special physical requirements for students entering the School. This policy is outlined in section II of this BULLETIN under Admissions Information and is available in the School of Dentistry Office of Student Affairs.

### Background

The subjects listed as required form the minimum background for professional study. The student should avoid duplicating science courses that are offered in the professional curriculum and should plan a college program in keeping with individual interests and abilities. The student's purpose should be the pursuit of diverse knowledge, the cultivation of an inquiring mind, the practice of efficient methods of study, and the habit of thinking and reasoning independently. These are of paramount importance to the student's development as a unique and responsible human being.

The choice of electives can broaden the student's view of the scope of knowledge. Being well read will give a perspective on the sweep of human thought throughout the ages, and often this will be of assistance in written and verbal communication and will improve the ability to think and express oneself well. Psychological, social, philosophical, and religious insights will help to develop basic resources for the solution of personal problems and the growth of that self-understanding the student must first have to understand and help associates.

## PRE-ENTRY REQUIREMENTS

Although a three-year predentistry curriculum in an accredited college is prescribed for acceptance, a baccalaureate degree, or the equivalent, is advantageous. The following complete college courses are required for entrance into the D.D.S. degree program:

### HUMANITIES

Freshman English (complete sequence).

### NATURAL SCIENCES

(complete course, one full year or equivalent)

General biology or Zoology with laboratory.

General chemistry with laboratory.

General physics with laboratory.

Organic chemistry with laboratory.

### ELECTIVES

**Strongly recommended:**

Ceramics.

Principles of management.

Basic accounting.

Mathematics.

Basic human nutrition.

Anatomy.

Histology.

Biochemistry.

Psychology.

The minimum of 96 semester or 144 quarter units may be completed from fields that contribute to a broad educational background.

### Employment

Because of the heavy class load, first-year students in dentistry may not accept part-time employment during the first term, and may accept such employment thereafter only upon receiving permission from the Office of the Associate Dean for Academic Affairs.

### Microscope

The student may be required to have access to a satisfactory binocular compound microscope during the first three quarters of the curriculum. If a student does not have a microscope, one may be rented from the Department of Anatomy. All microscopes should meet the following criteria:

1. The microscope shall be binocular and no older than fifteen years.
2. The lenses shall be in perfect condition.
3. The equipment shall include an Abbe condenser with rack and pinion adjustment, an iris diaphragm, and a mechanical stage.
4. The lens equipment shall include a scanning objective 2.5 or 3x, 16mm objective, 4mm objective, oil-immersion objective, and 10x eyepiece.

If it is necessary for the student to rent a University microscope, the type available will depend on the rental demand and departmental policy.

### Instruments, textbooks, additional materials

The instruments, textbooks, and materials required for the study and practice of dentistry are prescribed by the School and issued to the student as needed in the progress of the curriculum. The student must buy from the School the initial package outfit of instruments specified in the official instrument list. Unauthorized or incomplete equipment is not acceptable. Advance administrative approval must be obtained for any exception.

## NATIONAL BOARDS

Successful completion of the National Board Examination Parts I and II (NBE-I and II) is a requirement for graduation. These examinations are designed to assess cognitive knowledge of the basic, behavioral, and clinical sciences. Eligibility to sit for either part of the National Board Examination is determined by successful completion of the

curriculum leading up to the examination. In addition, students are required to pass a comprehensive examination that assesses mastery of the test specifications prior to each National Board Examination. The eligibility requirements and timetable for passing the National Board Examination are as follows:

#### **Part I**

1st attempt—Scheduled in July following completion of second year. If a student fails the July examination, s/he will have her/his scheduled clinic time substantially reduced. During this time, students will be required to study for a re-examination in December and to attend special review sessions and a study-skills course.

2nd attempt—If a student does not successfully complete the second attempt of the Part I Examination, s/he will be required to take a two-quarter leave of absence to prepare for re-examination the following July.

3rd attempt—After taking the re-examination in July, the student will be allowed to work on the clinic until examination results are received. If the student successfully completes the Part I Examination, s/he will continue to work on the clinic for the Summer and Fall Quarters and will begin didactic courses again during the Winter Quarter with the current third-year students. If the student does not successfully complete the National Board Examination Part I on the third attempt, s/he will be discontinued from the program.

#### **Part II**

1st attempt—Scheduled in December of the fourth year. If the examination is not successfully completed, access to the clinic will be restricted in order to provide additional time for study. The student will be given an opportunity to retake the examination in the spring. National Board Examination policy requires subsequent attempts to be at least ninety days apart.

2nd attempt—If a student fails the second attempt of the Part II examination, s/he will be unable to participate in licensure examinations and may be required to take a leave of absence to prepare for a re-examination. A candidate for the Doctor of Dental Surgery degree must have successfully completed Parts I and II of the National Board Examination before being awarded the degree.

### **ACADEMIC INCENTIVE PROGRAM**

The School of Dentistry has an incentive system to reward students for exceptional performance on the National Board Examinations (NBE-I and NBE -II).

#### **Academic Excellence Silver Award**

A student who achieves a score of one standard deviation above the national mean on the NBE-I is acknowledged as follows:

- Certificate of Recognition given at School of Dentistry Awards Chapel at the end of the 4th year

- School pays the fee for NBE-II
- Recognition at LLUSD faculty meeting
- Recognition in LLU *Dentistry Journal*
- Recognition in LLUSD *DentalGram*

#### **Academic Excellence Gold Award**

A student who achieves a score of one standard deviation above the national mean on both NBE-I and NBE-II is acknowledged as follows:

- Certificate of Recognition given at the School of Dentistry Awards Chapel at the end of the 4th year
- School pays \$1500 towards the application fee for one examining board
- Recognition in LLU *Dentistry Journal*
- Recognition in LLUSD *DentalGram*
- Recognition on a "perpetual" plaque on public display

The names of students who receive the Academic Excellence Silver and Gold Awards will be listed in the commencement program. **JT\*ntion given at Sc**



responsiveness to the established aims of the University.

7. Discharged financial obligations to the University.
8. Been certified by the faculty as approved for graduation.

A candidate completing requirements in the Spring Quarter is expected to be present at the commencement exercises and receive the diploma in person. Permission for the degree to be conferred in absentia is contingent upon the recommendation of the dean to the chancellor and can be granted only by the chancellor. If a candidate has not satisfactorily fulfilled all requirements, the University reserves the right to prohibit participation in commencement exercises.

## AWARDS

Students are eligible to receive awards of various kinds for demonstrated excellence, scholastic attainment, leadership ability, technical ability, professional proficiency, initiative, and other accomplishments or achievements, according to the bases established by the donors:

### General

Academy of General Dentistry  
 Academy of Operative Dentistry  
 Alpha Omega Scholarship  
 Alumni Association  
 American Academy of Dental Practice Administration  
 American Academy of Gold Foil Operators  
 American Academy of Oral and Maxillofacial Radiology  
 American Academy of Oral Medicine  
 American Academy of Oral and Maxillofacial Pathology  
 American Academy of Orofacial Pain  
 American Academy of Periodontology  
 American Association of Endodontists  
 American Association of Oral & Maxillofacial Surgeons  
 American Association of Oral Biologists  
 American Association of Orthodontics  
 American College of Dentists, Southern California Section  
 American College of Prosthodontists  
 American Dental Society of Anesthesiology  
 American Academy of Pediatric Dentistry

American Student Dental Association  
 California Dental Association  
 CDA Foundation Scholarships  
 Delta Dental Student Leadership Award  
 Dental Foundation of California  
 Dentsply Student Clinician Award  
 G. Hartzell Clinician Award  
 International College of Dentists  
 LLU Center for Dental Research  
 Omicron Kappa Upsilon  
 Omicron Kappa Upsilon William S. Kramer Award  
 Organization of Teachers of Oral Diagnosis  
 Pierre Fauchard Academy  
 Preclinical Basic Science Award  
 Southern California Academy of Endodontics  
 Southern California Academy of Oral Pathology  
 Southern California Society of Dentistry for Children

### School of Dentistry awards

Academic Excellence Award  
 Ben W. Oesterling Award  
 Service Learning Award  
 Fixed Prosthodontics Department Award  
 Graduate Implant Dentistry Award  
 Oral Surgery Department Award  
 Wilfred A. Nation Award

### Additional special awards

#### Alumni Association

The Alumni Association Award is given for manifested qualities and abilities indicative of potential for professional and community leadership.

#### Chancellor's Award

The Chancellor's Award is made annually in recognition of superior scholastic attainment and active participation in the student community, within the framework of Christian commitment. One recipient is selected from each School of the University.

#### NASDAD

An award is given by the National Association of Seventh-day Adventist Dentists to promote scholarship and to encourage high standards of character and conduct and the demonstration of leadership ability.

**OKU**  
Omicron Kappa Upsilon (OKU), the national

- b. Manage dental fear, pain, and anxiety with appropriate behavioral and pharmacologic techniques.
- c. Manage patients with craniofacial pain of dental and nondental origin.

**6. The new dentist must be able to recognize and manage medical emergencies that may be encountered in dental practice.**

**Supporting criteria**

- a. Provide basic life-support measures for patients.
- b. Develop and implement an effective office strategy for the prevention and management of medical emergencies.

**7. The new dentist must be able to manage dental emergencies.**

**Supporting criteria**

- a. Perform a problem-focused interview and examination.
- b. Manage dental emergencies of infectious, inflammatory, or traumatic origin.

**8. The new dentist must be able to evaluate and manage the treatment of periodontal diseases.**

**Supporting criteria**

- a. Design and provide an appropriate oral hygiene-instruction plan for the patient.
- b. Remove hard and soft deposits from the

**12. The new dentist must be able to provide basic surgical care.**

**Supporting criteria**

- a. Perform uncomplicated extractions of teeth.
- b. Manage surgical extraction, and common intraoperative and postoperative surgical

d. Apply financial management skills to debt and business management.

**Year D2**

		CLOCK HOURS			UNITS		
		Lec./Semr.	Lab.	Clin.	Total		
<b>SUMMER QUARTER</b>							
DNES	707	Personal Development	11	-	-	11	1
MICR	501	Principles of Microbiology	26	10	-	36	3
ODRP	701	Radiology I: Clinical Procedures	11	16	-	27	1.5
ODRP	725	Patient Assessment and Data Management	28	17	-	45	3
ODRP	751	General and Systemic Pathology I	40	-	-	40	4
PERI	705	Introduction to Periodontics	20	-	-	20	2
RESD	709	Restorative Dentistry IV, Lecture	20	-	-	20	2
RESD	709L	Restorative Dentistry IV, Laboratory	-	60	-	60	2
			156	103	-	259	18.5
<b>AUTUMN QUARTER</b>							
ANES	751	Dental Anesthesia: Local Anesthesia	44	11	-	55	4
ODRP	726	Patient Diagnosis and Treatment Planning	12	13	-	25	1.5
ODRP	752	General and Systemic Pathology II	40	-	-	40	4
ODRP	755	Radiology II: Theory and Interpretation	22	-	-	22	2
PERI	741	Essential Periodontal Therapy, Lecture	10	-	-	10	1
PERI	741L	Essential Periodontal Therapy, Laboratory	-	16	-	16	1
RESD	754	Orientation to Restorative Clinic Protocol	10	8	-	18	1
RESD	761	Removable Prosthodontics I, Lecture	22	-	-	22	2
RESD	761L	Removable Prosthodontics I, Laboratory	-	66	-	66	2
RESD	771	Single Casting Technique, Lecture	22	-	-	22	2
RESD	771L	Single Casting Technique, Laboratory	-	66	-	66	2
			182	180	-	362	22.5
<b>WINTER QUARTER</b>							
DNES	775	Clinic Orientation II	10	2	-	12	1
ODRP	761	Oral Pathology and Diagnosis	66	-	-	66	6
PERI	751	Planning and Evaluation in Periodontal Therapy	10	-	-	10	1
RESD	762	Removable Prosthodontics II, Lecture	22	-	-	22	2
RESD	762L	Removable Prosthodontics II, Laboratory	-	60	-	60	2
RESD	772	Fixed Prosthodontics, Lecture	22	-	-	22	2
RESD	772L	Fixed Prosthodontics, Laboratory	-	66	-	66	2
			130	128	-	258	16
<b>SPRING QUARTER</b>							
DNES	789	National Board Part I Review	40	-	-	40	1
ENDN	805	Endodontics I, Lecture	11	-	-	11	1
ENDN	805L	Endodontics I, Laboratory	-	44	-	44	1
ODRP	735	Dental Emergency Diagnosis and Treatment	11	-	-	11	1
ORDN	751	Principles of Orthodontics I	11	-	-	11	1
PEDN	753	Pediatric Dentistry I, Lecture	22	-	-	22	2
PEDN	753L	Pediatric Dentistry I, Laboratory	-	44	-	44	1
PHRM	501	Pharmacology and Therapeutics	44	-	-	44	4
RESD	763	Removable Prosthodontics III, Lecture	11	-	-	11	1
RESD	763L	Removable Prosthodontics III, Laboratory	-	33	-	33	1
RESD	773	Fixed Prosthodontics II, Lecture	11	-	-	11	1
RESD	773L	Fixed Prosthodontics II, Laboratory	-	44	-	44	1
			161	165	-	326	16

\* Grade given at end of multiple-quarter course

**Year D3**

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
<b>SUMMER QUARTER</b>							
ANES	801	Dental Anesthesia: Advanced Topics	22	-	-	22	2
DNES	804	Applied Statistics	22	-	-	22	2
DNES	806	Research Design	40	-	-	40	2
ENDN	814L	Endodontics II. Laboratory	-	44	-	44	1
ODRP	825	ODRP Clinic (1 of 4)*	-	-	var.	-	1
OMFS	805	Oral Surgery I	11	-	-	11	1
PEDN	825	Pediatric Dentistry Clinic (1 of 4)*	-	-	var.	-	0.5

**Year D4****CLOCK HOURS****UNITS**

	Lec./Semr.	Lab.	Clin.	Total	
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**SUMMER QUARTER**

ODRP 826	Oral Medicine IV	22	-	-	22	2
ODRP 875	ODRP Clinic (1 of 4)*	-	-	var.	-	1
PEDN 875	Pediatric Dentistry Clinic (1 of 4)*	-	-	var.	-	0.5
PERI 875	Periodontics Clinic (1 of 4)*	-	-	var.	-	2
RESD 875	Restorative Dentistry Clinic (1 of 4)*	-	-	var.	-	9.5
		22	-	var.	22	15

**AUTUMN QUARTER**

DNES 807	Practice Management I	22	-	-	22	2
DNES 889	National Board Part II Review	44	-	-	44	2
ODRP 875	ODRP Clinic (2 of 4)*	-	-	var.	-	1
PEDN 875	Pediatric Dentistry Clinic (2 of 4)*	-	-	var.	-	0.5
PERI 875	Periodontics Clinic (2 of 4)*	-	-	var.	-	2
RESD 861	Senior Lecture in Removable Prosthodontics	20	-	-	20	2
RESD 875	Restorative Dentistry Clinic (2 of 4)*	-	-	var.	-	9.5
		86	-	var.	86	19

**WINTER QUARTER**

DNES 809	Practice Management II	22	-	-	22	2
DNES 851	The Dentist and the Law	22	-	-	22	2
ODRP 875	ODRP Clinic (3 of 4)*	-	-	var.	-	1
PEDN 875	Pediatric Dentistry Clinic (3 of 4)*	-	-	var.	-	1
PERI 875	Periodontics Clinic (3 of 4)*	-	-	var.	-	2
RESD 875	Restorative Dentistry Clinic (3 of 4)*	-	-	var.	-	9.5
RELR 715	Christian Dentist in the Community	22	-	-	22	2
		66	-	var.	66	19.5

**SPRING QUARTER**

ENDN 875	Endodontics Clinic	-	-	var.	-	1
ODRP 875	ODRP Clinic (4 of 4)*	-	-	var.	-	1
ORDN 875	Orthodontics Clinic	-	-	var.	-	1
OMFS 875	Oral Surgery Clinic II	-	-	var.	-	1
PEDN 875	Pediatric Dentistry Clinic (4 of 4)*	-	-	var.	-	1
PERI 875	Periodontics Clinic (4 of 4)*	-	-	var.	-	1.5
RESD 844	Restorative Study Club Seminar	6	-	-	-	0.5
RESD 875	Restorative Dentistry Clinic (4 of 4)*	-	-	var.	-	9
		6	0	var.	-	16



# The General Dentistry Departments

**T**he nine School of Dentistry general dentistry departments include: dental anesthesiology; dental educational services; endodontics; oral diagnosis, radiology, and pathology; oral and maxillofacial surgery; orthodontics and dentofacial orthopedics; pediatric dentistry; periodontics; and restorative dentistry.



## DENTAL ANESTHESIOLOGY

DAVID L. ANDERSON, Chair

JOHN W. LEYMAN, Director, Advanced Education Program

**T**his department is staffed by dentists with advanced training in anesthesiology.

## DENTAL EDUCATIONAL SERVICES

RONALD J. DAILEY, Chair

**T**he Division of Dental Educational Services provides administrative and support services for a variety of subject areas such as: behavioral science, practice management, preventive and community dentistry, and service learning programs. The interactions of patients, staff, and dentists are examined in light of varied personality characteristics; the art and science of establishing and operating a successful practice are examined; and preventive dentistry in the office and community is studied as the underlying philosophy of all dental practice. Students are required to participate in providing dental services and dental health education in dentally underserved settings outside the dental school clinic providing the experience of involvement in the real world “to make man whole.”

### FACULTY

Ronald J. Dailey  
Ronald Forde  
Kent Hansen  
William Hooker  
Fred Kasischke  
J. S. (Jay) Kim

Carla Lidner  
William Loveless  
Kathleen Moore  
Quint Nicola  
Thomas Rogers  
Ronald Secor  
Charles Westrick  
Wu Zhang

**COURSES****DENTAL HYGIENE****BSES 305 The Etiology and Management of Dental Caries (2)**

Application of biochemistry, microanatomy, physiology, and microbiology to the study of the normal oral environment. Provides a basis for study of the pathogenesis of dental caries and periodontal diseases. Taught conjointly with DNES 705 but with separate evaluation.

**DENTISTRY****DNES 705 The Etiology and Management of Dental Caries (2)**

Etiology, prevention, and management of dental caries. The specific plaque hypothesis; role of diet, host resistance, and saliva in caries. Diagnosis, lesion progression, remineralization. Principles of medical and surgical management. Caries risk assessment. Establishment of a caries-management program. Patient education. Lecture and laboratory.

**DNES 707 Personal Development (1)**

Practical introduction to human behavior, personal development, stress management, and professionalism.

**DNES 708 Introduction to the Dental Profession (1)**

Overview of dentistry as it has evolved into a health care profession. History of dentistry, characteristics of professions, purpose and structure of professional organizations, discussion of the recognized specialties, personal finance, and debt management.

**DNES 711 Introduction to Clinical Experience (2)**

Introductory course to provide the student with the basic knowledge and skills necessary to begin the clinical dental experience.

**DNES 712 Introduction to Clinical Experience (.5)**

Introductory course to provide the student with the basic knowledge and skills necessary to begin the clinical dental experience.

**DNES 713 Introduction to Clinical Experience (.5)**

Introductory course to provide the student with the basic knowledge and skills necessary to begin the clinical dental experience.

**DNES 771 Applied Nutrition (2)**

Basic concepts of nutrition. Recognition of a balanced diet. Evaluation of the specialized nutritional needs of the young, the medically compromised, and the aging patient. Dietary assessment and counseling. Health-behavior change.

**DNES 775 Clinic Orientation II (1)**

Introduction to patient relations and clinic policies.

**DNES 789 National Board Part I Review (1)**

Review of basic and preclinical sciences to prepare students for National Board Examination Part I.

**DNES 794 Public Health Dentistry (2)**

Introduction to community dentistry, oral epidemiology, public health programs, preventive dentistry, health education, and volunteer programs.

**DNES 804 Applied Statistics (2)**

Introduction to research methodology. Develops critical statistical thinking, enabling students to critique research results reported in dental journals and to understand and correctly interpret the research results so that new findings can be properly implemented in dental practice. Provides students with statistical tools necessary to pursue lifetime learning in the dental sciences.

**DNES 806 Research Design (2)**

Development of a research protocol. Authoring skills, role of the mentor and investigator, topic selection, assurances and approvals (animals/IRB), fiscal responsibility, and research misconduct.

**DNES 806L Research Design, Laboratory (1)**

Review of literature, design of a research proposal in preparation for professional presentation of a table clinic. Conduct of research experiment or project culminating in presentation of the results at a professional meeting.

**DNES 807 Practice Management I (1-2)**

Basic business skills, contracts and personnel management, and insurance.

**DNES 809 Practice Management II (1-2)**

Seminar course for senior students, dealing with specific problems in planning, state requirements, and board strategies.

**DNES 851 The Dentist and the Law (2)**

Introduction to legal limitations and compliance with legal requirements.

**DNES 889 National Board Part II Review (2)**

Review of basic and clinical sciences and their application in case-based testing format to prepare students for National Board Examination Part II.

# ENDODONTICS

LEIF K. BAKLAND, Chair

MAHMOUD TORABINEJAD, Director, Advanced Education Program

**E**ndodontics is the branch of dentistry concerned with the morphology, physiology, and pathology of the human dental pulp and periradicular tissues. Its study and practice encompass the basic clinical science including biology of the normal pulp; the etiology, diagnosis, prevention, and treatment of diseases and injuries of the pulp; and associated periradicular conditions. The department faculty have developed preclinical lectures, laboratory exercises, and clinical training that cover a wide spectrum of endodontics. These experiences are coordinated and incorporated in a manner that provides patients with optimum oral health care in a setting that promotes the mission of the School of Dentistry.

## FACULTY

Leif K. Bakland  
Robert Handysides

Steven Morrow  
Shahrokh Shabahang  
Mahmoud Torabinejad

## COURSES

### DENTISTRY

**ENDN 805 Endodontics I, Lecture (1)**  
Preclinical course designed to teach the basics of endodontic diagnosis, treatment planning, and treatment procedures.

**ENDN 805L Endodontics I, Laboratory (1)**  
Exercises in cleaning, shaping, and filling the root-canal system, including treatment of special endodontic conditions.

**ENDN 814 Endodontics II (1)**  
Expanded presentations on endodontic diagnosis, treatment planning, and treatment procedures.

**ENDN 814L Endodontics II, Laboratory (1)**  
Exercise in root-canal procedures using advanced instrumentation systems and filling techniques.

**ENDN 875 Endodontics Clinic (1)**

# ORAL DIAGNOSIS, RADIOLOGY, AND PATHOLOGY

LANE THOMSEN, Chair

**T**he Department of Oral Diagnosis, Radiology, and Pathology covers a variety of disciplines. The overall focus of the department is to train dental students to consider all related factors when arriving at a diagnosis and formulating a treatment plan that will best meet the needs of each patient. Courses are offered that cover aspects of general and systemic pathology, oral medicine, geriatric and special-needs dentistry, emergency diagnosis and treatment, oral pathology, radiology, diagnosis, and treatment planning. The department's aim is to prepare dental students to excel in compassionate and knowledgeable service to patients that is based on a comprehensive gathering and interpretation of pertinent data.

## FACULTY

Garth Brown  
Heidi Christensen  
Ronald Crudo  
Charles Lee

Hilbert Lentz  
Quint Nicola  
Kandasamy Rengasamy  
Susan Richardsh Brown

**ODRP 752 General and Systemic Pathology II (4)**

Continuation of study of disease processes of the various organs and systems. Emphasis on disease mechanisms, epidemiology, disease manifestations, and major treatment modalities.

Prerequisite: Successful completion of ODRP 751, General and Systemic Pathology I.

**ODRP 755 Radiology II: Theory and Interpretation (2)**

Radiation physics and biology. Intraoral and extraoral radiographic interpretation, including anatomy and pathology. Principles of radiographic selection criteria and quality assurance.

**ODRP 761 Oral Pathology and Diagnosis (6)**

Study of oral mucosal and soft-tissue lesions, developmental and genetic disorders, jaw lesions, salivary-gland disorders, oral manifestations of systemic diseases, and some diseases of the skin and head and neck. Includes epidemiology, etiology, clinical and/or radiographic features, microscopic features, and management of disease, with emphasis on differential diagnosis.

**ODRP 807 Oral Medicine I (1)**

Signs, symptoms, laboratory tests, medical management, and suggested dental modifications for patients with medical problems of the respiratory, cardiovascular, neurologic, genitourinary, hematopoietic, and endocrine systems.

**ODRP 808 Oral Medicine II (2)**

Differential diagnosis of orofacial and temporomandibular joint pain, including basic guidelines for initial therapy.

**ODRP 811 Oral Medicine III (1)**

Review basis of diagnosis and treatment for patients with orofacial pain and temporomandibular dysfunction. Current temporomandibular dysfunction treatment methods from which a practicing dentist may select appropriate therapies. Medical and psychological background necessary for diagnosis and management of temporomandibular dysfunction patients.

**ODRP 821 Special-Care Dentistry (1)**

Considerations in the dental treatment of special populations, including the handicapped patient, the hospitalized patient, the medically compromised patient, and the elderly.

**ODRP 825 Oral Diagnosis, Radiology, and Pathology Clinic (3)**

Clinical practice in evaluation, diagnosis, and treatment planning of early-to-intermediate dental and oral disease. Practice in dental-emergency diagnosis and management.

**ODRP 826 Oral Medicine IV (2)**

Differential diagnosis, laboratory studies, and initial management of oral disease utilizing clinical case studies. Epidemiology, methods of detection, diagnosis, and management of oral and maxillofacial cancer. Principles of cancer therapy by surgical, radiation, and medical modalities. Includes discussion of cancer prevention and posttherapy reconstruction.

**ODRP 875 Oral Diagnosis, Radiology, and Pathology Clinic (4)**

Clinical practice in evaluation, diagnosis, and treatment planning for patients with intermediate to advanced dental and oral disease. Dental-emergency diagnosis and management.





# ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

JOSEPH M. CARUSO, Chair; Director, Advanced Education Program

The predoctoral courses in the Department of Orthodontics, as outlined by the American Dental Association, apply the knowledge derived from the basic sciences, research, and clinical treatment to the science of orthodontics so that the dental graduate will have the background necessary to recognize those conditions s/he is capable of managing. Clinical experience ranges from minor tooth movement and early-treatment cases to more difficult, advanced cases—according to the student's demonstrated ability, perseverance, judgment, and interest in orthodontics. The graduate will be able to:

1. Anticipate and detect malocclusions.
2. Take steps to prevent or intercept malocclusion where possible.
3. Use this knowledge as an adjunct to procedures in all other phases of dental practice.
4. Provide a basis for understanding the possibilities of orthodontic treatment.
5. Treat limited orthodontic problems that fall within the general dentist's sphere of knowledge and training.
6. Know the bases on which case referrals are made and how to handle a referral correctly.

## FACULTY

G. William Arnett  
Joseph Caruso  
James Farrage

V. Leroy Leggitt  
Roland Neufeld  
R. David Rynearson

## COURSES

### DENTISTRY

#### **ORDN 751 Principles of Orthodontics I (1)**

Objectives and science of orthodontics. Incidence, etiology, and recognition of malocclusion. Craniofacial growth and development. Diagnostic procedures, aids, and interpretation.

#### **ORDN 801 Minor Tooth Movement (2)**

Lecture, laboratory demonstration, and clinical exercise to prepare students to diagnose and treat limited clinical problems. Application of theory. Minor tooth movement.

#### **ORDN 811 Principles of Orthodontics II (1)**

Biophysical principles. Removable and fixed orthodontic appliances, adult orthodontics, surgical orthodontics. Treatment planning. Interaction with other disciplines. National Board Examination preparation. Selected topics in orthodontics.

#### **ORDN 875 Orthodontics Clinic (1)**

Clinical application of skills that have been learned in the laboratory to manage minor tooth movement and early-treatment cases.



## PERIODONTICS

CRAIG RIRIE, Director, Predoctoral Program

TORD LUNDGREN, Director, Advanced Education Program

**T**he Department of Periodontics provides education and training for predoctoral, dental hygiene, and graduate students in the art and science of periodontics. Periodontics encompasses the study of the supporting structures of the teeth; as well as the etiology, pathogenesis, diagnosis, and treatment of diseases that affect the supporting structures of the teeth. The study of periodontics helps form basic concepts of health and disease. These concepts are applied in the treatment of periodontal diseases and in the maintenance of dental health over a patient's lifetime, providing comprehensive dental therapy for the individual patient. In this way we contribute directly to the School of Dentistry's academic and service mission "to make man whole."

### FACULTY

R. Leslie Arnett, Jr.  
Max Crigger  
Juliana deCarvalho  
Oliver Hoffman

Sangmoo Lee  
Tord Lundgren  
Suraiya Rahman  
Craig Ririe  
Barbara Valadez

### COURSES

#### DENTISTRY

##### **PERI 705 Introduction to Periodontics (2)**

Review of gross and microscopic anatomy of the periodontium in health and disease. Primary etiology of periodontal disease. Examination of patient's clinical periodontal status and introduction to the diagnostic and treatment-planning process.

**T**

# RESTORATIVE DENTISTRY

**DOUGLASS B. ROBERTS, Chair**

**WAYNE CAMPAGNI, Director, Advanced Education Program in Prosthodontics**

**JAIME L. LOZADA, Director, Advanced Education Program in Implant Dentistry**

**T**he Department of Restorative Dentistry encompasses the specific disciplines of operative dentistry, fixed prosthodontics, and removable prosthodontics. It provides a home base for biomaterials research and graduate programs in implant dentistry and prosthodontics. It is the aim of the department to provide each student with a thorough understanding of both technical and clinical skills, enabling the comprehensive treatment of diseased or lost tooth structure and the replacement of missing teeth. Other goals are to instill in each student an interest in exploring new frontiers in dentistry and in recognizing the need for a continued quest for knowledge.

## FACULTY

Matty Abbate  
 Daniel Armstrong  
 Frederick Berry  
 David Brodeur  
 Wayne Campagni  
 Sandip Desai  
 Mark Estey  
 Ralph Feller  
 Michael Fitzpatrick  
 Michael Francis  
 Gary Golden  
 Charles Goodacre  
 Bertin Hall  
 Mathew Kattadiyil  
 Robert Kinzer  
 S. Alejandro Kleinman  
 Sean Lee

Jaime Lozada  
 Lin Martin  
 Ranu Mishra  
 Carlos Munoz  
 William Naylor  
 Doyle Nick  
 Mac-Rey Ojano  
 Periklis Proussaefs  
 Bindoo Punjabi  
 Douglass Roberts  
 William Seibly  
 Edwin Shryock  
 Jenny Sy-Munoz  
 Daniel Tan  
 Anthony Theodorou  
 Fidel Torres  
 Robert B. Walter  
 John Whittaker  
 Wu Zhang



**RESD 844 Restorative Study Club Seminar (0.5)****RESD 854 Implant Dentistry (1)**

Scientific and technical foundation for implant surgery and expansion of basic implant procedures. Postplacement care, long-term maintenance, and clinical complications associated with dental implants.

**RESD 861 Senior Lecture in Removable Prosthodontics (1)**

Instruction and practice in aesthetic characteristics of removable prosthodontics, choosing and refining denture occlusion, implant over-denture treatment, clinical problem solving CD and RPD patients, oral pathology and removable prosthodontics, RPD design review, denture cleaners and adhesives, and tissue conditioning.

**RESD 875 Restorative Dentistry Clinic (37.5)**



# V

## INTERNATIONAL DENTIST PROGRAM

Faculty

The Program

Awards

Requirements for Graduation

Distribution of Instruction

Courses





lates in March, and the other class (eight students) in September.

Upon the candidate's acceptance of the invitation of admission, an official transcript must be sent directly from the Registrar of his/her previous dental school to the Registrar of Loma Linda University. Further details will be provided by the International Dentist Program.

#### Entering students

When a candidate is accepted into the program, a deposit of \$1,000 USD is due and payable to Loma Linda University by a specified date. Additionally, a pre-entrance medical record and eye examination must be submitted. At registration for the first quarter, a tuition deposit of \$14,000 is required.

Students in the program have the same benefits, including health care coverage, as are described elsewhere in this BULLETIN.

#### Expenses

The current tuition is approximately \$11,600 per quarter (the twenty-one-month program consists of seven quarters). Each year the tuition cost is adjusted for inflation. Living expenses vary, depending on the student's lifestyle. Generally, the living expenses range from \$800 to \$1,500 (or more) per month.

#### Student financial aid

Loans are available only to United States citizens, green-card holders, or those with permanent-resident status. Qualified students can obtain loans for approximately 75 percent of tuition costs. For more information, contact the Office of Financial Aid at e-mail: [finaid@univ.llu.edu](mailto:finaid@univ.llu.edu); or by telephone: (909) 558-4509.

#### AWARDS

Students in the International Dentist Program are eligible to receive awards based on accomplishments and achievements that reflect the ideals of this program.

#### REQUIREMENTS FOR GRADUATION

A candidate for the Doctor of Dental Surgery degree must be at least twenty-one years of age and must have:

1. Completed all requirements for admission to the chosen curriculum.
2. Graduated from a recognized foreign dental school with a diploma in dentistry.
3. Completed satisfactorily all requirements of the curriculum, including specified attendance, level of scholarship, length of academic residence, and number of credit units.
4. Completed special examinations covering any or all subjects of the curriculum, as may be required by the faculty.
5. Successfully completed the National Dental Board Examination Part I and Part II.
6. Demonstrated evidence of satisfactory moral and professional conduct, of due regard for Christian citizenship, and of consistent responsiveness to the established aims of Loma Linda University.
7. Discharged financial obligations to the University.
8. Been certified by the faculty as approved for graduation.

A candidate completing requirements in the Spring Quarter is expected to be present at the commencement exercises and receive the diploma in person. Permission for the degree to be conferred in absentia is contingent upon the recommendation of the dean to the chancellor and can be granted only by the chancellor. If a candidate has not satisfactorily fulfilled all requirements, the University reserves the right to prohibit participation in commencement exercises. Candidates who complete the program in December will march in the Spring Quarter commencement prior to completing their requirements.



**INTERNATIONAL DENTIST PROGRAM**

**DISTRIBUTION OF INSTRUCTION**

**Spring Start**

IDP 1

CLOCK HOURS			UNITS
Lec./Semr.	Lab.	Clin.	Total

CLOCK HOURS			UNITS
Lec./Semr.	Lab.	Clin.	Total

	CLOCK HOURS				UNITS	
	Lec./Semr.	Lab.	Clin.	Total		
<b>IDP 3</b>						
<b>SUMMER QUARTER</b>						
DNES 707	Personal Development	11	-	-	11	1
IDPC 835	General Clinic	-	-	var.	var.	8
IDPO 534	Oral Medicine-Orofacial Pain and TMD	22	-	-	22	2
IDPO 826	Oral and Maxillofacial Surgery	12	-	4	16	1
IDPR 845	Scientific Investigation and Research Design	28	8	-	36	3
IDPT 847	Dental laboratory Technology	-	32	-	32	1
		73	40	4	117	16
<b>FALL QUARTER</b>						
IDPC 835	General Clinic	-	-	var.	var.	8
IDPP 759	Special Topics in Periodontal Therapy	22	-	-	22	2
IDPR 845	Scientific Investigation and Research Design	8	-	-	8	1
IDPT 754	Advanced Topics in Dentistry	22	-	2	24	2
RESD 861	Advanced Removable Prosthodontics	24	-	-	24	2
RELF 717	Christian Beliefs and Life	22	-	-	22	2
RELE 734	Christian Ethics for Dentists	22	-	-	22	2
		120	-	2	122	19
<b>IDP 4</b>						
<b>WINTER QUARTER</b>						
IDPC 845	General Clinic	-	-	var.	var.	8
IDPP 755	Pediatric Dentistry Clinic	-	-	24	24	0.5
IDPR 847	Restorative Dentistry II	24	-	-	24	2
		24	-	24	48	10.5
<b>SPRING QUARTER</b>						
IDPC 845	General Clinic	-	-	var.	var.	8
IDPP 755	Pediatric Dentistry Clinic	-	-	24	24	0.5
IDPR 848	Restorative Dentistry III	24	-	-	24	2
PHRM 503	Clinical Pharmacology	22	-	-	22	2
RELF 706	Adventist Beliefs and Life	22	-	-	22	2
		68	-	24	92	14.5
<b>TOTALS</b>		<b>523</b>	<b>304</b>	<b>var.</b>	<b>875</b>	<b>107</b>

**COURSES**

**DENTISTRY**

**IDPC 825 General Clinics (Fall start-1, 8, 8; Spring start-1, 8, 8)**

The first three quarters of IDP general clinics.

**IDPC 835 General Clinics (Fall start-8, 8; Spring start-8, 8)**

Fourth and fifth quarters of IDP general clinics.

**IDPC 845 General Clinics (Fall start-8, 8; Spring start-8, 8)**

The final two quarters (sixth and seventh) of IDP general clinics.

**IDPE 805 Endodontics (2)**

Proper diagnosis and treatment of teeth requiring pulpal obturation. Laboratory experience includes handling files and diagnostic tools, use of gutta percha, and familiarization with the wide variations in pulpal and root anatomy. Lectures also cover several advanced procedures, such as apical surgery, post removal, and retreatment.

**IDPG 750 Review of General Dentistry (14)**

Introduction and review of dentistry, with emphasis on procedures and protocol used in the IDP clinic. Includes reviews of charting, radiology, impressions, dental materials, dental anatomy, periodontics, anesthesia, restorative dentistry, prosthetics, disease control, photography, and oral surgery.

**IDPO 535 Oral Pathology and Diagnosis (2)**  
Graduate-level survey of pathology. Developmental, infectious, neoplastic, and metabolic disorders studied relative to their epidemiology, etiology, clinical and/or radiographic and microscopic features, and management. Emphasis on differential diagnosis of dental, oral mucosal and soft tissue, jaw, salivary gland, skin, and neck diseases.

**IDPO 534 Oral Medicine-Orofacial Pain and TMD (2)**

Differential diagnosis of orofacial and temporomandibular joint pain, including basic guidelines for initial therapy.

**IDPO 826 Oral and Maxillofacial Surgery (1)**

Comprehensive review of oral and maxillofacial surgery for international dental students, including preprosthetic surgery, dental alveolar surgery, oral trauma, maxillofacial trauma, orthognathic surgery, reconstruction, and perioperative infections.

**IDPP 754 Clinical Periodontics (1)**

Overview of clinical periodontics, including scaling, root planing, occlusal adjustment, antimicrobial therapy, phase contrast microscopy, and a variety of surgical concepts and techniques. Anticipated results of therapy, including options of surgical versus nonsurgical approaches.

**IDPP 755 Pediatric Dentistry Clinic (.5-1)**

Dental care of children in their primary, fixed, and young permanent dentition. Etiology of disease, prevention of oral disease, growth and development analysis, treatment planning, restorative procedures, and arch-length control.

**IDPP 759 Special Topics in Periodontal Therapy (2)**

Variation in periodontal diseases related to differing host conditions, including age, hormones, habits, drugs, genetics, nutrition, stress, systemic disease, iatrogenic factors, trauma from occlusion, and endodontic interrelationships. Overview of surgical periodontal procedures and their roles, limitations, and effects. Surgery outcomes compared with short- and long-range effects of conservative therapy (with and without maintenance care, including effect of adjunctive chemical plaque control). Role of dental health care providers in periodontal therapy. Special problems in periodontal care.

**IDPR 845 Scientific Investigation and Research Design (1, 3)**

Scientific methods in dental research. Includes critical evaluation of published articles, research design, evaluation of results, design of research reports, extensive reviews of various topics, experience in data collection and drawing conclusions, and library utilization.

**IDPR 846 Restorative Dentistry I (2)**

Dental technology and laboratory communications; diagnosis and treatment planning; fixed and removable prosthodontics; implantology; soft-tissue management.

**IDPR 847 Restorative Dentistry II (2)**

Topics in restorative dentistry, including dental material sciences, operative dentistry, fixed prosthodontics, removable prosthodontics, and geriatric dentistry.

**IDPR 848 Restorative Dentistry III (2)**

Topics in restorative dentistry, including tooth-colored restorations, esthetic dentistry, cariology, occlusion, and practice management.

**IDPT 754 Advanced Topics in Dentistry (2)**

Advanced topics in anesthesiology, dental emergency, pediatric dentistry, radiology, oncology, jurisprudence, and other advanced topics in dentistry.

**IDPT 847 Dental Laboratory Technology (1)**

A concentrated course in dental laboratory technology. Students participate in multiple phases of laboratory projects, including ceramics, single castings, fixed prosthodontics, and removable prosthodontics.

**SDCJ 744 A & B Clinical Training In Advanced Restorative Dentistry (8, 8)**

Allows qualified dentists from other countries to study and treat patients at Loma Linda University School of Dentistry. This six-month certificate program is full-time and predominately clinical in nature. Participants return to their dental clinic at the end of the training period. No academic credit will be generated from this program that can apply toward any other program in the School of Dentistry. Designed to provide mission support among SDA foreign dentists, and to provide training for other foreign dentists who reside outside the U.S.A. and will return to their own countries after completion of the program.



# VI

## ADVANCED DENTAL EDUCATION PROGRAMS

### Introduction

General Information

Programs Overview

Admission Requirements

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### Advanced Education Programs

Dental Anesthesiology

Endodontics

Implant Dentistry

Oral and Maxillofacial Surgery

Orthodontics and Dentofacial Orthopedics

Pediatric Dentistry

Periodontics and Implant Surgery

Prosthodontics



# Advanced Dental Education Programs

LEIF K. BAKLAND, Associate Dean, Advanced Education, School of Dentistry;  
Coordinator, Graduate Programs in Dentistry, Graduate School

## GENERAL INFORMATION

**T**he School of Dentistry offers advanced education programs in specialty and non-specialty disciplines of dentistry. Graduate degrees—Master of Science and doctoral degrees—are available through combined programs with the Graduate School. The purpose of these programs is to offer candidates an opportunity to integrate advanced clinical training with meaningful exposure to applied basic science and research. For applications and additional information, interested applicants should contact the individual program director.

## PROGRAMS OVERVIEW

**A**dvanced dental education programs leading to a specialty certificate and additionally to the Master of Science degree are offered in endodontics, oral and maxillofacial surgery, orthodontics and dentofacial orthopedics, pediatric dentistry, periodontics, and prosthodontics. A program certificate and additionally the Master of Science degree are offered in implant dentistry. Postdoctoral study in dental anesthesiology leads to a certificate upon completion of the program.

The specialty programs are organized in line with the standards of the Council on Dental Education of the American Dental Association, and the objectives and content meet the requirements of the respective specialty boards. In addition, the programs in endodontics, oral and maxillofacial surgery, orthodontics and dentofacial orthopedics, pediatric dentistry, periodontics, and prosthodontics are accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education.

**ADMISSION REQUIREMENTS**

**A**n appropriate degree from an accredited college or university is required for admission into the advanced dental education programs and postgraduate programs. A doctoral degree in dentistry (Doctor of Dental Surgery or Doctor of Dental Medicine) or the equivalent is required for admission to all programs. The applicant should have achieved a general grade-point average on a 4-point scale of not less than 3.0, with no grade below 2.0. In addition to acceptable scholastic performance, the applicant

## DENTAL ANESTHESIOLOGY

JOHN W. LEYMAN, Director, Advanced Education Program

### PROGRAM DESCRIPTION

**T**he postdoctoral Dental Anesthesiology Program is offered to dentists who desire to pursue a career in anesthesiology for dentistry. The educational design of this twenty-four month program provides a strong clinical background in anesthesiology. The program is based in the Surgery Center for Dentistry, located in the School of Dentistry, where approximately 4,000 patients are treated on an annual basis. Additional training at area hospitals is received in structured rotations in cardiology, internal medicine, and anesthesiology.

Didactic instruction is coordinated through the Department of Dental Anesthesiology. Residents attend an anesthesiology lecture series and weekly Grand Rounds at Loma Linda University Medical Center. In addition, regular meetings of the dental anesthesiology residents are held, during which a variety of contemporary topics are discussed—including a review of the current literature. Residents also participate in teaching pain control in the predoctoral curriculum.

In an effort to develop dentist-educators, an optional third year of study leading to a master's degree in physiology or pharmacology is available.

Upon successful completion of the program, the dental anesthesiologist will be eligible to take the diplomate examination of the American Dental Board of Anesthesiology and to apply for a general anesthesia permit in any state of the United States.

### FACULTY

David L. Anderson

Trisha Jen  
Barry Krall  
Larry D. Trapp

### APPLICATION DEADLINE

**A**pplication for admission should reach the department no later than October 1 of the year prior to the summer of intended enrollment.

### TUITION (2004-2005)

**N**o additional tuition is required. Insurance and fees are \$341 per quarter.

**DEPARTMENTAL REQUIRED COURSES****ANES 521 Principles of Medicine, Physical Diagnosis, and Hospital Protocol (2, 2)**

Study of methods recognizing normal and abnormal physical conditions. Review of organ systems to expand the dentist's general medical knowledge. Specific topics reviewed include blood diseases, systemic diseases, cardiac disease, patient admission, physical examination, and hospital charting.

**ANES 546 General Anesthesia (3000-3400 clock hours)**

Administration of general anesthesia and regional block anesthesia to a variety of medical and dental patients in the operating room, under the supervision of attending anesthesiologists.

**ANES 547 Anesthesia Grand Rounds (1)**

Weekly meeting of the Department of Dental Anesthesiology, featuring guest lecturers who present a variety of current topics in anesthesiology. One session per month designated as the Mortality and Morbidity Conference.

**ANES 548 Anesthesia Residents Seminar (2)**

Comprehensive didactic course designed to cover the entire field of anesthesiology in a two-year cycle. Sectional written examinations given.

**ANES 604 Anesthesia Literature Review (1)**

Weekly session to review current anesthesia literature.

**ANES 654 Practice Teaching in Anesthesia (arranged)**

Supervision of pre- and postdoctoral dental students administering local anesthesia and conscious sedation.

**ANES 697 Research (1)**

Participation in ongoing research or original projects. All clinical research subject to approval by the Institutional Research Board.

**INTERDISCIPLINARY AND NON-DEPARTMENTAL REQUIRED COURSES**

REL\_ \_\_\_ Religion selective (3)





**DEPARTMENTAL REQUIRED COURSES**

**ENDN 534 Endodontic Treatment Conference (16)**  
 Designed to evaluate and discuss diagnosis, treatment planning, prognosis, and outcome of endodontic treatment cases. Repeated registrations required to fulfill the total units.

**ENDN 601 Principles of Endodontics (12)**  
 Comprehensive study of various aspects of endodontics. Repeated registrations required to fulfill the total units.

**ENDN 604 Literature Seminar in Endodontics (12)**  
 Review of literature pertaining to the principles, and practice of endodontics. Repeated registrations required to fulfill the total units.

**ENDN 625 Clinical Practice in Endodontics (1800-1950 clock hours)**  
 Designed to gain practice and experience in all aspects of endodontics. Emphasis on obtaining experience in treating complex endodontic cases.

**ENDN 654 Practice Teaching in Endodontics (3-4)**  
 Supervised teaching in the endodontic preclinical laboratory and predoctoral clinic.

**ENDNS 697A Research (1)**  
 Identifying a research project, preparing a proposal, and obtaining approval for the protocol.

**ENDN 697B Research (1)**  
 Conducting the actual research project, including the data collection.

**ENDN 698 Thesis (M.S. track only) (1)**

**INTERDISCIPLINARY AND NON-DEPARTMENTAL REQUIRED COURSES**

**GRDN 514 Introduction to Biomedical Research (4)**

**GRDN 531 Applied Surgical Anatomy (2)**

**GRDN 601 Practice Management (2)**

**GRDN 604 Topics in Medicine and Hospital Protocol (2)**

**GRDN 609 Professional Ethics (2)**

**GRDN 622 Biomedical Science I (4)**

**GRDN 623 Biomedical Science II (4)**

**GRDN 632 Basic Microsurgery Technique (2)**

**GDRN 535 Clinical Oral Pathology (2)**

**ORPA 533 Radiology (2)**

**REL\_ — Religion elective (3)**



## IMPLANT DENTISTRY

JAIME L. LOZADA, Director, Advanced Education Program

### PROGRAM DESCRIPTION

The advanced education Implant Dentistry Program leads to a certificate. In addition, the student may also obtain a Master of Science degree. The program is designed to prepare the student for the practice of implant dentistry and to provide the foundation for the continued acquisition of knowledge and clinical skills in this demanding area.

Implant dentistry interfaces with the dental specialties of oral and maxillofacial surgery, prosthodontics, and periodontics. The implant dentistry student will be expected to achieve advanced knowledge and skills in certain aspects of all these dental specialties and to be proficient in implant prosthodontics and implant surgery. The content of the program is designed to prepare the student for certification by the American Board of Implant Dentistry, and upon application (s)he may be qualified as an associate fellow of The American Academy of Implant Dentistry.

The required time in residence for the certificate is thirty-three months. The Master of Science degree additionally requires the graduate student to successfully complete a research project and a thesis. The beginning date is March, and the first quarter will be spent in dental anesthesiology rotation.

### FACULTY

Joseph Y. K. Kan  
Matthew Kattadiyil

Alejandro A. Kleinman  
Carlos A. Muñoz  
Periklis Proussaefs  
John M. Whittaker

### APPLICATION DEADLINE

Application for admission should reach the department by September 15 of the year prior to the summer of intended enrollment.

### TUITION (2004-2005)

The Implant Dentistry Program commences with a residency in anesthesiology in the

Spring Quarter (before the beginning of the University's academic year, Summer Quarter). During the Spring Quarter (the first quarter of the program), students do not pay tuition; instead, only insurance and fees are charged. The 2004-2005 Spring Quarter charge for insurance and fees is \$341. In addition, there is a \$1400 fee for the course GRDN 632 Basic Microsurgery Technique (2 units); this fee does not include instruments and textbooks.

Tuition for the 2004-2005 academic year is \$7,900 per quarter. The tuition rate for subsequent years is expected to increase about 5 percent per year. During quarters two through nine, first- and second-year residents pay regular tuition, which includes insurance and fees. During quarters ten through twelve, third-year residents pay only insurance and fees.

## DEPARTMENTAL REQUIRED COURSES

**IMPD 505 Patient-Presentation Seminar (10)**  
Implant-patient treatment presentations, discussion of alternate methods of rehabilitation, and related literature. Repeated registrations required to fulfill the total units.

**IMPD 533 Applied Radiology for Implant Dentistry (1.5)**  
Designed to give the postdoctoral student fundamental aspects of radiology imaging as part of the diagnosis and treatment.

**IMPD 561 Dental Bioengineering (2)**  
A study of structures and properties of dental implant materials and implant prosthodontic superstructures.

**IMPD 585 Implant Prosthodontics (10)**  
Designed to give the graduate student in implant dentistry in-depth didactic and clinical instruction on techniques and procedures related to the rehabilitation of patients with prosthodontic devices supported by dental implants. Advanced clinical and laboratory procedures, with emphasis on implant restorations for completely and partially edentulous patients. Special emphasis on attachments and superstructure design. Repeated registrations required to fulfill the total units.

**IMPD 601 Literature Review in Implant Dentistry (22)**  
A review of historical and/or fundamental implant dentistry literature. Repeated registrations required to fulfill the total units.

**IMPD 604 Current Literature Review in Implant Dentistry (20)**  
Designed to give the postdoctoral student in implant dentistry a deeper understanding of the research and literature currently available. Repeated registrations required to fulfill the total units.

**IMPD 611 Introduction to Implant Dentistry (2)**  
Overview of the clinical science of implant dentistry, including etiology, therapy, clinical methods, and record keeping.

**IMPD 612 Advanced Implant Dentistry (2)**  
Provides the resident with the knowledge and techniques of advanced prosthodontic and implant procedures—notably those involved in sinus-graft surgery, surgical repairs of implant defects, and the principles involved in immediate loading of implants.

**IMPD 625 Clinical Practice in Implant Dentistry (1056 clock hours)**  
Experience in the clinical diagnosis and treatment of patients who may benefit from implant dentistry therapy.

**IMPD 626 Clinical Practice of Periodontics in Implant Dentistry (88 clock hours)**  
Clinical experience in the diagnosis and treatment of periodontal diseases. Repeated registrations required to complete the total units.

**IMPD 627 Clinical Practice of Prosthodontics in Implant Dentistry (440 clock hours)**  
Advanced clinical practice in the treatment of individuals with fixed, removable, maxillofacial, and implant prostheses.

**IMPD 631 Oral Implant Surgery (10)**  
Instruction in basic and advanced implant surgery principles. Repeated registrations required to fulfill the total units.

**IMPD 634 Diagnosis and Treatment Planning in Implant Dentistry (10)**  
Didactic and clinical aspects of diagnosis and treatment planning for patients with complex dental problems. Repeated registrations required to fulfill the total units.

**IMPD 637 Peri-Implant Histopathology (1)**  
Designed to give the postdoctoral student in implant dentistry a better understanding of the implant interface and biological changes that take place in the tissues surrounding dental implants following their placement.

**IMPD 654 Practice Teaching in Implant Dentistry (3)**  
Teaching experience in implant prosthodontics and implant surgery

**IMPD 697A Research (1)**  
Student identifies a research project, prepares a proposal, and obtains approval for the protocol.

**IMPD 697B Research (1)**  
Research, including data collection.

**IMPD 698 Thesis (M.S. track only) (1)**

## INTERDISCIPLINARY AND NON-DEPARTMENTAL REQUIRED COURSES

**GRDN 514 Introduction to Biomedical Research (4)**

**GRDN 531 Applied Surgical Anatomy (2)**

**GRDN 604 Topics in Medicine and Hospital Protocol (2)**

**GRDN 609 Professional Ethics (2)**

**GRDN 622 Biomedical Science I (4)**

**GRDN 623 Biomedical Science II (4)**

**GRDN 632 Basic Microsurgery Technique (2)**

**ANES 546 General Anesthesia (section II) (9)**

**ANES 547 Anesthesia Grand Rounds (section II) (1)**

**ANES 604 Anesthesia Literature Review (section II) (1)**

**OMFS 604 Selected Topics in Oral and Maxillofacial Surgery (11)**



PERI 604 Current Periodontal Literature (6)

PROS 500 Current Prosthodontic Literature Review (6)

PROS 546 Occlusion and Morphology (2)

PROS 547 Occlusion: Principles and Instrumentation (2)

PROS 555 Removable Partial Prosthodontics (2)

PROS 565 Complete Denture Prosthodontics (2)

PROS 566 Advanced Complete Denture Prosthodontics (2)

PROS 575 Fixed Partial Prosthodontics (2)

PROS 576 Advanced Fixed Partial Prosthodontics I (MC esthetics) (2)

PROS 595 Maxillofacial Prosthodontics (2)

REL\_ \_\_ Religion elective (3)





**OMFS 606 Applied Surgical Anatomy (1)**

Designed to enable the resident to master the anatomic principles involved in clinical diagnosis and in assessing clinical problem areas encountered in various health care-delivery situations. Detailed discussion of applied anatomic consequences of various surgical and treatment procedures and the anatomic aspects of emergencies occurring in practice, including cadaveric dissection. Emphasis on knowledge of the vascular supply and neuroinnervation of the structures of the oral cavity and adjacent areas of the head and neck. Application of material discussed in terms of actual clinical case presentations.

**OMFS 607 Principles of Medical History, Physical Examination, and Clinical Medicine (2)**

Focuses on developing accurate history-taking and physical-examination skills. Specific topics include review of organ systems and associated pathology (physical and laboratory), hospital protocol, and charting. Residents perform history and physical (H&Ps) on medical and surgical patients. Emphasis on proficiency at developing differential diagnoses of common medical and surgical problems.

**OMFS 608 Surgical Oral and Maxillofacial Pathology Conference (6)**

Recent pathology cases used as the basis for review and discussion of common and ominous lesions encountered. Differential diagnoses and patient management emphasized. Guest lecturers cover selected topics in oral and maxillofacial pathology. Repeated registrations required to fulfill the total units.

**OMFS 609 Literature Review in Oral and Maxillofacial Surgery (6)**

A monthly discussion of recent literature from selected journals. Review of classic landmark articles and their impact on the specialty. Repeated registrations required to fulfill the total units.

**OMFS 614 Experience in Oral and Maxillofacial Surgery Practice (70)**

Training in various aspects of oral and maxillofacial surgery. Training in dentoalveolar surgery, complicated fractures of the facial bones, reconstructive maxillofacial surgery, surgical orthognathic correction, treatment of developmental and acquired deformities of the jaw, implant surgery, temporomandibular joint surgery, and osseous grafting of postresection and posttraumatic maxillofacial defects. Study continues in the application of general anesthesia to ambulatory outpatient-surgery patients. Residents trained to assume full responsibility for all aspects of the oral and maxillofacial surgery practice. Advanced clinical training in the subspecialty areas of oral and maxillofacial surgery, as well as training through off-service rotations with internal medicine, plastic and reconstructive surgery, head and neck surgery, general surgery, and other specialties. Repeated registrations required to fulfill the total units.

**OMFS 615 Trends in Medicine and Surgery (12)**

Off-service specialty seminars on a wide range of topics, including anesthesia, internal medicine, ICU care, general surgery, and various specialty topics. Repeated registrations required to fulfill the total units.

**OMFS 616 Application of Surgical Principles to Orthognathic Surgery (1)**

An introductory, multidisciplinary lecture seminar emphasizing teaching preoperative diagnosis, treatment planning, intraoperative procedures, and postoperative care of orthognathic patients. Description of congenital and developmental deformities, with emphasis on all aspects of orthodontic-surgery patient management.

**OMFS 617 Critical Decision Thinking in Oral and Maxillofacial Surgery (12)**

A weekly seminar designed to expand the participants' skill in critical decision making as it pertains to patient care in the field of oral and maxillofacial surgery. Students present cases weekly of proposed surgical experiences—reviewing data gathering, treatment alternatives, and treatment of complications. Additionally, selected posttreatment cases presented to review the proposed treatment versus the actual outcome as an opportunity for the participant to be involved with an outcome-assessment analysis. Repeated registrations required to fulfill the total units.

**OMFS 697A Research (1)**

Identifying a research project, preparing a proposal, and obtaining approval for the protocol.

**OMFS 697B Research (1)**

Research, including data collection, data evaluations, and quarterly presentations.

**OMFS 698 Thesis (M.S. degree only) (1)****INTERDISCIPLINARY AND NON-DEPARTMENTAL ELECTIVE COURSES****GRDN 531 Applied Surgical Anatomy (2)****GRDN 601 Practice Management (audit only) (2)****GRDN 622 Biomedical Science I (audit only) (4)****GRDN 623 Biomedical Science II (audit only) (4)****GRDN 632 Basic Microsurgery Technique (2)****REL\_ — Religion elective (3)**

# ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

JOSEPH M. CARUSO, Director, Advanced Education Program

## PROGRAM DESCRIPTION

The graduate Orthodontics and Dentofacial Orthopedics Program is organized to do the following:

1. Develop technical competence in the skills of orthodontics.
2. Deepen understanding of the basic natural sciences and their correlation with the orthodontic practice.
3. Develop analytical thinking.
4. Develop skills in clinical research.
5. Increase the sense of responsibility toward the patient and the community.
6. Develop increased awareness of the obligation to make contributions to the growth and stature of the profession and to coordinate with those of allied professional disciplines.

All of the above are designed to prepare the resident to practice the specialty of orthodontics or to pursue a teaching career.

The content of the program conforms to the standards developed by the specialty board, and graduates are educationally qualified for certification by the American Board of Orthodontics.

The Master of Science degree program requires a minimum of twenty-seven months in residence beginning in June. Additional time may be required, depending on the research selected.

## FACULTY

E. William Arnett  
James R. Farrage

V. Leroy Leggitt  
Roland D. Neufeld  
R. David Rynearson

## APPLICATION DEADLINE

Application for admission should reach the department by September 1 of the year prior to the summer of intended enrollment.

## TUITION (2004-2005)

Tuition is \$7,900 per quarter, which includes insurance and fees.

## DEPARTMENTAL REQUIRED COURSES

### ORDN 524 Introduction to Graduate Orthodontics, Lecture (12)

A lecture course outlining the principles of applied design, the application of forces to produce tooth movement, and tissue response to such forces. Overview of orthodontics to prepare the student for clinical practice of orthodontics diagnosis and treatment planning, including cephalometrics, growth forecasting, and preparation of visual treatment objectives. Repeated registrations required to fulfill the total units.

**ORDN 524L Introduction to Graduate Orthodontics, Laboratory (6)**

Selected laboratory projects to enhance the didactic portion of the course. Repeated registrations required to fulfill the total units.

**ORDN 525 Materials Science and Mechanics (2)**

Structure and properties of materials used in orthodontics. Analysis of the effects of mechanical and heat treatment. Survey of strength and mechanics in force-delivery systems.

**ORDN 526 Applied Anatomy (2)**

Fundamentals of anatomy, as it applies to a special region or application.

**ORDN 527 Clinical Photography (1)**

Clinical proficiency in intraoral and extraoral photography. Discussion and use of photographic equipment and techniques on orthodontic patients. Camera, lens, and flash required.

**ORDN 535 Advanced Cephalometrics (2)**

Study of cephalometrics from a historical perspective to the present time, including most of the major analyses.

**ORDN 536 Concepts of Physical Anthropology (2)**

Basic and classic concepts of physical anthropology, as they relate to orthodontics.

**ORDN 545 Growth and Development (3)**

Principles of growth and development from the subcel-

**INTERDISCIPLINARY AND NON-  
DEPARTMENTAL REQUIRED COURSES**

**GRDN 514 Introduction to Biomedical Research (4)**

**GRDN 601 Practice Management (2)**

**GRDN 609 Professional Ethics (2)**

**GRDN 623 Biomedical Science II (5)**

**OMFS 608 Surgical, Oral, and Maxillofacial  
Pathology Conference (2)**

**GRd Max aŷnce1(2)**

## PEDIATRIC DENTISTRY

JOHN PETERSON, JR., Director, Advanced Education Program

### PROGRAM DESCRIPTION

The advanced education program in pediatric dentistry is designed to prepare the resident as a specialist in this area of dentistry. The curriculum leads to a certificate in pediatric dentistry. Clinical pediatric dentistry is emphasized; however, this clinical experience is balanced with a didactic curriculum of core courses and seminars. There is also a research component designed to expose the resident to problem solving using the scientific method. The program requires a minimum of twenty-four months in residence beginning July 1, and fulfills the requirements for initiating the process of certification by the American Board of Pediatric Dentistry.

After admission into the program, residents may apply for acceptance to the Graduate School for a Master of Science degree in addition to the specialty certificate. Acceptance into the M.S. degree program may extend the length of study.

### FACULTY

J. Todd Milledge  
Wesley Okumura  
John Peterson, Jr.

### APPLICATION DEADLINE

Application for admission should reach the department by November 1 of the year prior to the summer of intended enrollment.

### TUITION (2004-2005)

Tuition is \$7,900 per quarter and includes insurance and fees.

**DEPARTMENTAL REQUIRED COURSES****PEDN 503 Pediatric Dental Seminar (16)**

Selected clinical topics in pediatric dentistry. Repeated registrations required to fulfill the total units.

**PEDN 508 Pediatric Hospital Dentistry Seminar (2)**

Hospital protocol and the care of patients in a hospital environment.

**PEDN 512 Oral Sedation Seminar (2)**

Pharmacology, medical considerations, clinical applications, and protocols for oral sedation.

**PEDN 521 Principles of Medicine and Physical Diagnosis (2)**

Medical and physical diagnosis for the pediatric dental patient.

**PEDN 524 Introduction to Orthodontics, Lecture (2)**

Diagnosis and treatment planning for clinical orthodontics.

**PEDN 524L Introduction to Orthodontics, Laboratory (1-2)**

Fabrication of various orthodontic appliances.

**PEDN 546 General Anesthesia Clinic (160 clock hours)**

Experience in general anesthesia in a hospital setting.

**PEDN 601 Pediatric Dental Practice Management (2)**

Principles of establishing a pediatric dental practice. Information regarding establishment and operation of a pediatric dental practice.

**PEDN 604 Pediatric Dental Literature (12)**

Pediatric dental literature study, including literature found on the reading list of the American Board of Pediatric Dentistry. Repeated registrations required to fulfill the total units.

**PEDN 625 Pediatric Dental Clinic (1500-2000 clock hours)**

Clinical pediatric dental experience in both the out-patient and in-patient settings for patients with a variety of clinical needs and problems.

**PEDN 654 Pediatric Dental Teaching (5)**

Experience teaching pediatric dentistry in clinical and laboratory settings. Repeated registrations required to fulfill the total units.

**PEDN 680 Elective Study (10)**

Selected by students in the advanced education program in pediatric dentistry and by department faculty. Repeated registrations required to fulfill the total units.

**PEDN 697A Research (1)**

Identifying a research project, preparing a proposal, and obtaining approval for the protocol.

**PEDN 697B Research (1)**

Research, including data collection.

**PEDN 698 Thesis (M.S. track only) (arranged)****INTERDISCIPLINARY AND NON-DEPARTMENTAL REQUIRED COURSES****GRDN 514 Introduction to Biomedical Research (4)****GRDN 531 Applied Surgical Anatomy (2)****GRDN 535 Clinical Oral Pathology (2)****GRDN 604 Topics in Medicine and Hospital Protocol (2)****GRDN 609 Professional Ethics (2)****GRDN 622 Biomedical Sciences I (4)****GRDN 623 Biomedical Sciences II (4)****ORPA 533 Radiology (2)****ORDN 545 Growth and Development (3)****ORDN 606 Craniofacial Genetics (2)****ORDN 608 Physiology and Pathology of Speech (1)****REL\_ \_\_\_ Religion elective (3)**



## PERIODONTICS AND IMPLANT SURGERY

J. STEVEN GARRETT, Director, Advanced Education Program

### PROGRAM DESCRIPTION

**T**he three-year, advanced-education Periodontics and Implant Surgery Program leads to a certificate in periodontics; additionally a Master of Science degree may be obtained.

The certificate in periodontics training prepares the student for a specialty practice and provides the basis for continuing professional development after completion of the program. Specific emphasis is placed on various high-level technique procedures, including aesthetics- and prosthetics-related mucogingival surgery, root-form implant placement, preparatory augmentation, and repairs. The training includes didactic and clinical components, as well as research opportunities.

The Master of Science degree prepares the resident for academic careers in periodontal research and teaching. The program includes the didactic and clinical components of the certificate training. The resident is required to complete one or more research projects and to was4obolOpS0 Er3i2hel4am incluegrdo, Dialch and te es didvportunities.A m0 Emumle

**DEPARTMENTAL REQUIRED COURSES**

**PERD 520: The Periodontium (2)** basis for cursiol-1) pathogenesis ofiol-2& Geneuct Anes ofsia Clinic iol-1.822.62j0 -.000d6 TD8  
Review of the literature concerning the anatomy  
(macro-, micro-, and ultrastructural) and the physiol-  
ogy of the periodontium. (10 (2)

## PROSTHODONTICS

JOSÉ TORRES, Interim Director, Advanced Education Program

### PROGRAM DESCRIPTION

The advanced education Prosthodontics Program is designed to increase the knowledge base and clinical and laboratory skills of the resident in all areas of prosthodontics. In addition to conventional fixed and removable prosthodontics, this program offers considerable experience in implant prosthodontics and aesthetic dentistry, an introduction to maxillofacial prosthetics, and the diagnosis and treatment of patients with temporomandibular dysfunction. Comprehensive treatment-planning seminars with residents and faculty of other advanced education programs are designed to prepare the resident to interact with and coordinate the treatment of patients requiring advanced prosthodontic care.

The program begins in July and requires thirty-three months to complete the certificate, and thirty-six months or more to complete the Master of Science degree.

After admission into the program, residents may apply for acceptance to Graduate School for a Master of Science degree in addition to the specialty certificate. The application must be supported by a letter of recommendation from the program director. Acceptance into the M.S. degree program will probably extend the length of study.

### FACULTY

Wayne V. Campagni

Mark Estey  
B. Dan Hall  
Mathew Kattadiyil

### APPLICATION DEADLINE

Application for admission should reach the department by September 15 of the year prior to the summer of intended enrollment.

### TUITION (2004-2005)

Tuition is \$7,900 per academic quarter and includes insurance and fees.

### DEPARTMENTAL REQUIRED COURSES

**PROS 500 Prosthodontic Literature Review (20)**  
Discussion of assigned topics from classic and current prosthodontic and course-related literature, led by students and moderated by faculty member in charge. Repeated registrations required to fulfill the total units.

**PROS 501 Removable Partial Prosthodontic Literature Review (2)**  
Discussion of assigned topics from classic removable partial denture literature, led by students and moderated by faculty member in charge.

**PROS 502 Complete Denture Prosthodontic Literature Review (2)**  
Discussion of assigned topics from classic complete denture literature, led by students and moderated by faculty member in charge.

**PROS 505 Patient Presentation Seminar  
(Prosthodontic, Implant, Perio) (12)**

Patient treatment presentations, discussion of alternate methods of rehabilitation, and related literature. Repeated registrations required to fulfill the total units.

**PROS 510 Clinical Practice in Prosthodontics  
(1800-2000 clock hours)**

Advanced clinical practice in the treatment of individuals with fixed, removable, maxillofacial, and implant prostheses.

**PROS 515 Practice Teaching (1 unit per  
Quarters, 2 Quarters)**

Teaching experience in the areas of fixed and removable prosthodontics.

**PROS 525 Dental Materials Science (2)**

The elements of materials science. The properties of structural solids, metals, ceramics, and polymers related to their structure using basic laws and principles from physics, chemistry, and engineering science.

**PROS 527 Clinical Application of Dental  
Materials (2)**

Discusses clinical application and manipulation of dental materials. Identifies and explains specific clinical problems and behavior based on the acquired



# VII

## FACULTY OF RELIGION

Statement of Mission

Courses

# Faculty of Religion

## STATEMENT OF MISSION

The Faculty of Religion is committed to the following four tasks as informed by the teachings and practice of the Seventh-Adventist heritage and mission.

1. To promote Christian wholeness for faculty and students in their personal and professional lives and witness.
2. To provide a religion curriculum with the following emphases:
  - Foundational studies (biblical, theological, historical, and mission).
  - Ethical studies (personal, professional, and social).
  - Relational studies (applied theology, clinical ministry, and psychology of religion).
3. To foster and support research in the foundational, ethical, and relational disciplines.
4. To serve the University, the church, and the larger world community by personal involvement in fostering deeper spirituality, theological integrity, and social justice.

## COURSES

### FOUNDATIONAL STUDIES

#### THEOLOGICAL STUDIES

**RELF 406 Adventist Beliefs and Life (2-3)**  
Fundamental tenets of Seventh-day Adventist faith and the lifestyle that such faith engenders.  
Additional project required for third unit.

**RELF 716 God and Human Suffering (2)**  
Suffering and evil in relation to the creative and redemptive purposes of God for this world.

**RELF 726 Jesus (2)**  
Study of Jesus as healer and teacher, prophet and reformer, Son of God and Savior.

#### HISTORICAL STUDIES

**RELF 718 Adventist Heritage and Health (2)**  
Study of the fundamental beliefs and values that led Seventh-day Adventists to become involved in health care, with particular emphasis on the spiritual story and principles leading to the founding of Loma Linda University.

### ETHICAL STUDIES

**RELE 457 Christian Ethics and Health Care (2-3)**  
Ethical issues in modern medicine and related fields from the perspective of Christian thought and practice.  
Additional project required for third unit.

**RELE 734 Christian Ethics for Dentists (2)**  
Ethical issues in contemporary dentistry. Christian resources for ethical decision making.

### RELATIONAL STUDIES

#### APPLIED THEOLOGY

**RELR 715 Christian Dentist in Community (2)**  
Study of Christian leadership in the local church, surrounding community, and the larger society, emphasizing the practical development of leadership skills.

**RELR 749 Personal and Family Wholeness (2)**  
Study of personal spiritual development as the center for individual and family life and professional practice, with special attention to balancing healthy family relationships and professional obligations.

**CLINICAL MINISTRY**

**RELR 475 Art of Integrative Care (2-3)**  
The integration of psychosocial and spiritual care in the clinical setting.

Additional project required for third unit.

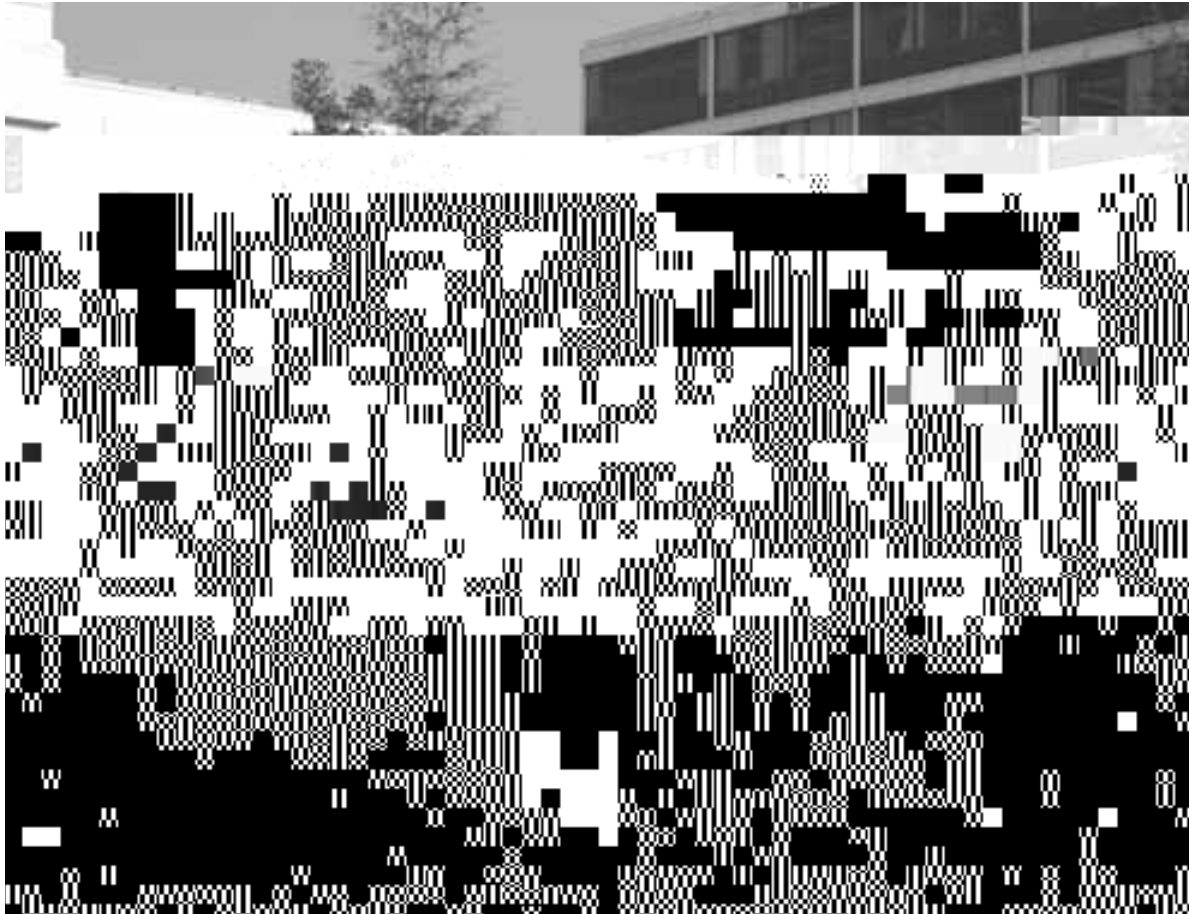
**RELR 775 Art of Integrative Care (2)**  
The integration of psychosocial and spiritual care in the clinical setting.

**PSYCHOLOGY OF RELIGION**

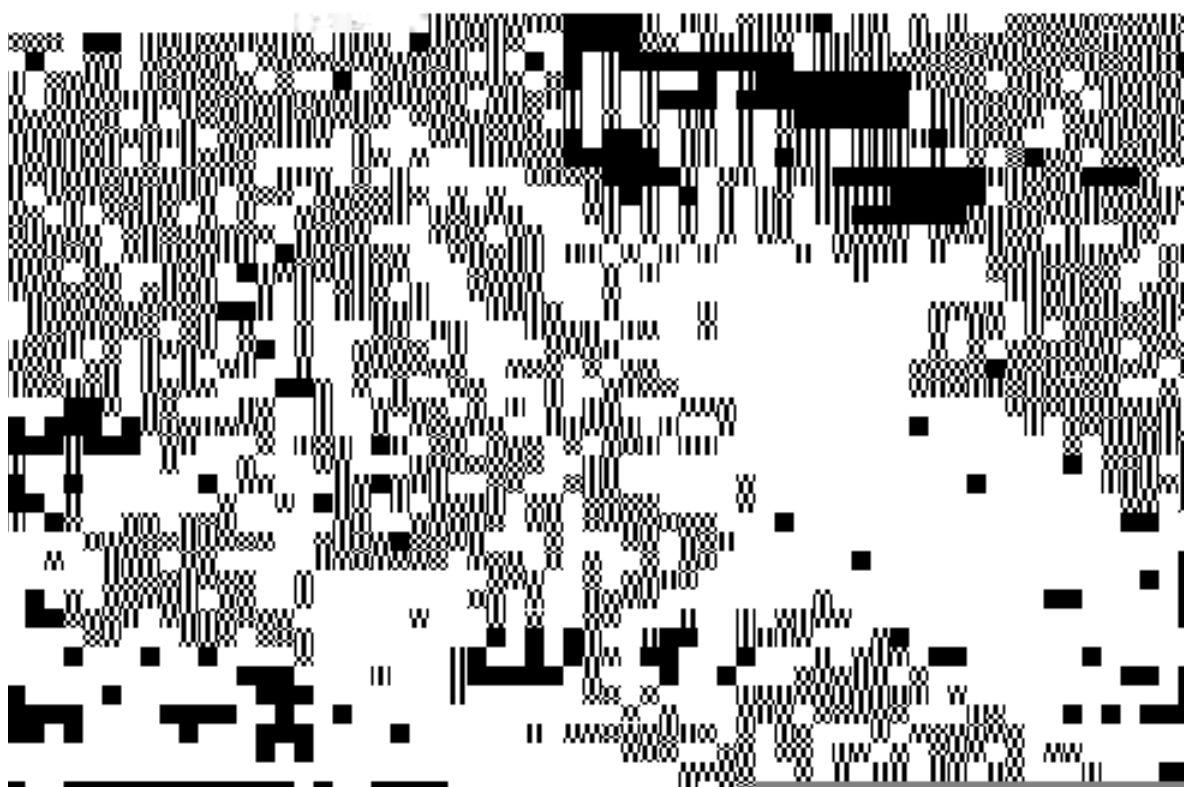
**RELR 408 Christian Perspectives on Marriage and the Family (2-3)**

From a Christian perspective, an overview of the family lifecycle.

Additional project required for third unit.







# VIII

## DIVISION OF GENERAL STUDIES

LLU Philosophy of General Education

LLU Criteria for General Education Courses

LLU General Education Requirements

LLU General Education Courses Offered by the School

LLU General Education Courses—Online and Booklet

LLU English Composition Requirements

# Division of General Studies

**T**he Division of General Studies, directed by the dean of the Graduate School, offers general education courses that contribute to the fulfillment of requirements that apply to the Bachelor of Science degree programs in the Graduate School and in the Schools of Allied Health Professions, Dentistry, Nursing, and Public Health. In addition, these Schools offer a variety of general education courses that are open to students across all Schools. The Division of General Studies also provides oversight for courses that may be selected to enrich a student's academic experience, but which do not fulfill Loma Linda University general education requirements.

## **LOMA LINDA UNIVERSITY PHILOSOPHY OF GENERAL EDUCATION**

**A**s a Seventh-day Adventist health-sciences institution, Loma Linda University seeks to exemplify a life of service and sensitivity beyond the requirements of academic excellence within a professional discipline. With its rich spiritual heritage, the University places special emphasis on educating its students for a life of service in a global community.

General education at Loma Linda University consists of courses, lectures, programs, and activities coordinated with the intent to integrate faith and learning. In addition to the basics of cultural

**LOMA LINDA UNIVERSITY GENERAL  
EDUCATION REQUIREMENTS (68 QUAR-  
TER CREDITS)**

**I**n harmony with its commitment to wholeness, Loma Linda University requires all students graduating with a baccalaureate degree to complete a minimum of 68 quarter credits of general education, which are integrated into the entire undergraduate program. Requirements are organized into five domains, as outlined in the following.

**DOMAIN 1: SPIRITUAL AND CULTURAL  
HERITAGE (28-32 quarter credits)**

Study of spiritual heritage must include a minimum of 4 credits in religious studies per year of full-time course work (or the equivalent) while attending a Seventh-day Adventist college or university and must include a religion course dealing with the spiritual heritage of the philosophy and mission of Loma Linda University. Four of the units in religious studies may include a course dealing specifically with the religious, moral, and ethical questions of health care. Other courses may be selected from such content areas as Christian ethics; clinical ministry; comparative religions; and doctrinal, historical, and systematic theology. Required credits in spiritual heritage must be earned from a Seventh-day Adventist institution.

The study of cultural heritage must include a minimum of 12 credits. The credits in cultural heritage must be selected from at least two of the following content areas: civilization/history, fine arts, litera-

**DNHY 394 Introduction to Research (2)**  
Introduction to research methodology. Evaluation of literature, with emphasis on statistics adequate





# IX

## THE DIRECTORY

Officers of the University Board of Trustees

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by Telephone, FAX, Web Site, Mail, and E-mail



**UNIVERSITY BOARD AND ADMINISTRATION**

**OFFICERS OF THE UNIVERSITY BOARD OF TRUSTEES**

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B. Lyn Behrens, M.B., B.S.	Vice Chair
Don C. Schneider, M.A.	Vice Chair

**UNIVERSITY BOARD OF TRUSTEES**

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Garland Dulan	
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Celeste Ferguson	

**UNIVERSITY ADMINISTRATION**

B. Lyn Behrens, M.B., B.S.	President	
Richard H. Hart, M.D., Dr.P.H.	CEO, Chancellor	
Kevin Lang, M.B.A.	CFO, Treasurer	Financial Affairs
Lisa M. Beardsley, Ph.D., M.P.H.	Vice Chancellor	Academic Affairs
J. Lynn Martell, D.Min.	Vice Chancellor	Advancement
Verlon Strauss, CPA	Vice Chancellor	Financial Affairs/Compliance Officer
W. Augustus Cheatham, M.S.W.	Vice Chancellor	Public Affairs
Barry L. Taylor, Ph.D.	Vice Chancellor	Research Affairs
Gerald R. Winslow, Ph.D.	Vice Chancellor	Spiritual Life and Wholeness
Leslie N. Pollard, D.Min.	Special Assistant to the Chancellor	Diversity
Gerald R. Winslow, Ph.D.	Dean	Faculty of Religion
Anthony J. Zuccarelli, Ph.D.	Interim Dean	Graduate School
Craig Jackson, J.D., M.S.W.	Dean	School of Allied Health Professions
Charles J. Goodacre, D.D.S., M.S.D.	Dean	School of Dentistry
H. Roger Hadley, M.D.	Dean	School of Medicine
Helen E. King, Ph.D., RN	Dean	School of Nursing
Avis J. Ericson, Pharm.D.	Interim Dean	School of Pharmacy
James L. Kyle II, M.D., M.Div.	Dean	School of Public Health
Ronald L. Carter, Ph.D.	Interim Dean	School of Science and Technology
Rick E. Williams, Dr.P.H.	Assistant Vice Chancellor	Student Services

\*emeritus

**SCHOOL ADMINISTRATIVE PERSONNEL**

CHARLES J. GOODACRE, D.D.S., M.S.D., Dean  
 RONALD J. DAILEY, Ph.D., M.A., Associate Dean for Academic Affairs  
 PAUL L. RICHARDSON, D.D.S., M.S., Associate Dean for Clinic Administration  
 JAMES KETTERING, Ph.D., M.S., Associate Dean for Advanced Dental Education  
 WILLIAM M. HOOKER, Ph.D., Associate Dean for Student Affairs  
 FRED C. KASISCHKE, D.MIN., Associate Dean for Admissions, Pastoral Ministry and Service Learning  
 RONALD SECOR, M.P.H., Associate Dean for Financial Administration  
 \_\_\_\_\_, Director of Admissions  
 BARBARA BOSTWICK, Director of Development  
 WILLIAM ALLEN, PH.D., Special Gifts and Planned Giving

**SCHOOL COMMITTEES**

**Academic Review**  
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**Dental Records Review**  
**Materials, Instruments, and Student Issues**  
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**Behavioral Science Curriculum**  
**Clinical Science Curriculum**  
**International Dentist Program Curriculum**  
**Dental Research**  
**Diversity**  
**Executive**  
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**Parking**  
**Faculty Council**  
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**Faculty Promotion**  
**Graduate**  
**International Dentist Program**

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**Safety**  
**Service Learning and International Affairs**  
**Spiritual Life and Wholeness**  
**Strategic Planning**  
**Student Conduct**

**FACULTY INDEX**

In the alphabetical listing that follows, the letters at the right of the faculty member's name indicates the department or school where s/he teaches.

ANAT Anatomy  
 ANES Dental Anesthesiology  
 BCHM Biochemistry  
 DNHY Dental Hygiene  
 DNES Dental Educational Services  
 ENDN Endodontics  
 IDP International Dentist Program  
 IMPD Implant Dentistry  
 MICR Microbiology/Immunology  
 ODRP Oral Diagnosis, Radiology, and Pathology  
 OMFS Oral and Maxillofacial Surgery  
 ORDN Orthodontics and Dentofacial Orthopedics  
 PEDN Pediatric Dentistry  
 PERI Periodontics/Periodontics and Implant Surgery  
 PHSL/PHRM Physiology and Pharmacology  
 PROS Prosthodontics  
 RESD Restorative Dentistry  
 REL Faculty of Religion  
 GS Graduate School  
 SM School of Medicine

# Department Chair, Division Director  
 \* Leave of absence

## **THE FACULTY**

Abbate, Matty, DDS

RESD

Dupper, Gilbert, DDS	RESD
Duroseau, Daniel, DDS	DNES
Dus, Ivan, MD	ORDN
Edwards, Lincoln	PHRM
Eftimie, F. Liviu, DDS	OMFS
Elison, J. Matthew, DDS	RESD
Eller, Cheryl, BS	DNHY
Ellis, Jane Ellen, DDS	DNES
Ellstrom, Mervin L., DDS	PEDN
Elsherif, Ismail, BDS, PhD	ENDN
Emanuelli, Silvio, DDS, MS	RESD, IMPD
Emmerson, William, DDS	ORDN
Escobar-Poni, Bertha C., MD	ANAT
Estey, Mark, DDS	RESD, PROS
Fairhurst, Janelle, BS	DNHY
Fan, Victor, DMD, PhD	ENDN
Fang, Denny Y., DDS	ENDN

Ilapogu, Sunil, DDS  
Ingersoll, Lee R., DDS, MS  
Iwata, Luke, DDS

PEDN  
ENDN  
RESN

Jackson, Courtney, DDS  
Jacobson, Harold J., DDS

RESN  
ENDN

Munce, John C., DDS	ENDN	Proctor, Daryl, DDS	ORDN
Munguia, Fernando, DDS	RES, PROS	Prousaefs, Periklis, DDS, MS	RES, IMPD
Munoz, Carlos, DDS, MSD	RES, IMPD	Pulsipher, D. Allen, DDS, MD	OMFS
Munoz, Numa, DDS	PEDN	Punjabi, Anil, DDS, MD	OMFS
Mutinga, Mueni, DDS	DNES	Punjabi, Bindoo, DDS	RES, IDP
Nahoum, Henry, DDS	ORDN	Quishenberry, Mary, BS	DNHY
Nakano, Jonathan, DMD	OMFS	Rader, Jennifer, BS	DNHY
Narula, Minakshi, BDS	ORDN	Rahman, Suraiya, DMD	PERI
Nash, Sandra, DDS	RES	Rathbun, W. Eugene, DDS, PhD	PERI
Nation, Neal, DDS	PEDN	Rawson, Rick, DDS	OMFS
Nava, Pedro, PhD	ANAT	Rengasamy, Kandasamy, DDS	ODRP
Naylor, William, DDS	RES	Rich, Darla, BS	DNHY
Nazaroff, Leslie, DrPH, MPH	DNHY	Richards, Susan, DDS	ODRP
Nelson, Bonnie, DDS	PEDN	Richardson, Paul L., DDS, MA	RES
Nelson, Peter, DDS	RES	Rick, Gordon, DDS, MS	ODRP
Nelson, Richard, DMD	DNES	Ringer, Jack, DDS	RES
Neufeld, Roland D., DDS, MS	ORDN	Ririe, Craig, DDS, MSD	PERI
Nichols, Rick J., DDS	PEDN	Roberts, Douglass, DDS	RES
Nick, Doyle, DDS	RES	Roberts, Walter H., MD	ANAT
Nicola, Quint, DDS	DNES, ODRP	Robertson, Thomas, DDS, MS	ORDN
Nilveus, Rolf, DDS	PERI	Roche, Susan, DDS, MA	ODRP
Noorvash, Shahab, DDS	ENDN	Roe, Phillip, DDS	RES, PROS
Nordland, Peter, DMD, MS	PERI	Rogers, David, DDS	ANES
Oakley, Eric, DDS	DNES	Rogers, Thomas, DDS	DNES
Odabashian, Nishan, DMD	ENDN	Roggenkamp, Clyde, DDS, MSD	RES
Ojano, Mac-Rey, DDS, DMD	RES, IDP	Roland, David, DDS	ENDN
Okada, Geoffrey T., DDS	ENDN	Rolf, II, David, DMD	PERI
Okumura, Wesley, DDS	PEDN	Rudd, M. Timothy, DDS	DNES
Ordelheide, Franklin, DDS	DNES	Rungcharassaeng, Kitichai, DDS, MS	RES, PROS, IMPD
Ortiz-Campos, Cesar, DDS	RES, IMPD	Rusk, G. Glenn, DDS	DNES
Oshita, Patrick, DDS	RES	Russo, Marisa, BS	DNHY
Pai, Jacob, DDS, MPH	DNES	Rynearson, R. David, DDS	ORDN
Paik, Stephen, DDS	ENDN	Santimalapong, Amy, DDS, DMD	RES, IDP
Park, Elizabeth, DDS	RES	Sayed, Jon, DDS, MS	PEDN
Park, S. James, DMD	ANES	Sceville, Jodi, DDS	RES
Park, Song Joon, DDS	RES	Scheer, Peter, DDS	OMFS
Park, Sungjin, DDS	ANES	Schlenker, Willis L., DDS, MS	ORDN
Parris, Richard, DDS	PERI	Schmidt, Merrill E., DDS	ENDN
Peng, Wei-Peng, DDS	RES	Schnepper, Gretchen, DDS	ORDN
Pereira, Valeria, DDS	PEDN	Schnepper, Harold, DMD, MSD	RES
Peters, Donald, DDS, MS	ENDN	Schultz, Robert L., PhD	ANAT
Peterson, John Jr, DDS	PEDN	Schumacher, Mary, BS	DNHY
Piedra-Munoz, Isabella, DDS	PEDN	Sechrist, Christopher, DDS	ENDN
Pierson, Kenneth, DDS	ENDN	Secor, Ronald, MBA	DNES
Powell, Jr., Lewis, DMD	RES	Seibly, William, DDS	RES, IDP
Prieto, Claudia, DDS	ENDN	Selvig, Knut, DDS, PhD	PERI

Shabahang, Shahrokh, DDS, MS	ENDN
Shehata, Marianne, DDS	RESD
Shellard, Edward, DDS	RESD
Sheu, Maria, DDS	PEDN
Shryock, Edwin, DDS, MS	RESD
Simon, James, DDS	ENDN
Simms, Richard, DDS	ORDN
Simpson, Karen, MPH	DNHY
Slater, Shelley, BS	PERI
Slattery, Charles W., PhD	BCHM
Sljivar, Mikan, DDS	ANES
Sowers, Lawrence C.	MICR
Smith, Brian, DDS	RESD
Snider, Douglas, DDS	ENDN
Spint, Kenneth, DMD	OMFS
Steinbrunn, Corey, BS	DNHY
Steiner, Ann, DMD, MS	DNES
Stephens, Jonell, EdS, MS	DNHY
Strand, Peter, DDS	ORDN
Stringer, Dale, DDS	OMFS
Strtaiut, Kenneth, DMDOMFS	





## SCHOOL ALUMNI ASSOCIATION

Graduates of the School of Dentistry organized the Alumni Association in 1957. Membership is extended to those who have earned degrees at this School. Student membership is extended to students of the School.

The primary purposes of the association are to promote the interests of the School, to secure unity among alumni, to foster an attachment to its alma mater, to enlist members as continuing participants in the association and as active participants in Christian activities and interests, to aid members in attaining to the highest ethical and scientific standards in the practice of their profession, and to aid in general charitable and educational purposes. Major interests of the association include:

1. Conducting the Alumni-Student Convention. Included in the activities of this annual spring session are lectures, refresher courses, and religious and social programs.
2. Advancing the Century Club. Members include alumni and others of the dental profession who contribute a qualifying amount annually to promote and support interests of the alumni and the School.
3. Preparing and distributing alumni news pertaining to members and faculty, and School activities.

The School of Dentistry Alumni Association, through its Century Club Annual Fund, has made an ongoing commitment to students in the predoctoral program by supporting a student loan fund, which is administered by the University.

## ACCREDITATION STATUS

### THE UNIVERSITY

Founded as College of Evangelists 1905-06. Chartered as College of Medical Evangelists by the state of California December 13, 1909. Accredited by Northwest Association of Secondary and Higher Schools April 7, 1937. Accredited by WASC (Western Association of Schools and Colleges) (prior to January 1962, Western College Association) February 24, 1960. Became Loma Linda University July 1, 1961. Professional curricula started and approved as indicated.

### THE PROFESSIONS

**GRADUATE SCHOOL:** Started in 1954. Accredited through University accreditation.

### SCHOOL OF ALLIED HEALTH PROFESSIONS

**CLINICAL LABORATORY SCIENCE (formerly, Medical Technology):** Started in 1937. Approved by the Council on Medical Education of the American Medical Association since August 28, 1937. Currently approved by the Commission on Dental Accreditation of Allied Health Education Programs in collaboration with the National Accrediting Agency for Clinical Laboratory Sciences.

**CYTOTECHNOLOGY:** Started in 1982. Initial approval by the Commission on Accreditation of Allied Health Education Programs in collaboration with the Cytotechnology Programs Review Committee January 20, 1983.

**DIAGNOSTIC MEDICAL SONOGRAPHY:** Started in 1976 as diagnostic medical sonography. Approved by the Joint Review Committee on Education in Diagnostic Medical Sonography October 24, 1985.

**DIETETIC TECHNOLOGY:** Started in 1988. The Dietetic Technology Program is currently granted continuing accreditation by the Commission on Accreditation for Dietetics Education of the American Dietetic Association April 25, 1988.

**EMERGENCY MEDICAL CARE:** Started in 1993 as a baccalaureate degree program for paramedics, respiratory therapists, and other allied health professionals desiring education, science, or management credentials in emergency medical services.

**HEALTH INFORMATION MANAGEMENT:** Started as medical record administration in 1963. Approved by the Council on Medical Education of the American Medical Association since December 1, 1963. Currently approved by the Commission on Accreditation of Allied Health Education Programs in collaboration with the American Health Information Management Association.

**MEDICAL RADIOGRAPHY:** Started in 1941 as radiological technology. Approved by the Council on Medical Education of the American Medical Association November 19, 1944. Currently approved by the Joint Review Committee on Education in Radiologic Technology and the California State Department of Health Services.

**NUCLEAR MEDICINE TECHNOLOGY:** Started in 1970. Approved by the Council on Medical Education of the American Medical Association June 23, 1973. Currently approved by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology.

**NUTRITION AND DIETETICS:** Started in 1922 as a certificate program; baccalaureate degree conferred 1932-54; graduate program offered since 1954. Internship program continuously approved by the American Dietetic Association from 1957 through 1974; reestablishment of baccalaureate degree program authorized October 1971. Since 1974 the Coordinated Program in Dietetics has been granted accreditation by the Commission on Accreditation for Dietetics Education of the American Dietetic Association.

**OCCUPATIONAL THERAPY:** Started in 1959. Initial approval by the Council on Medical Education of the American Medical Association June 10, 1960. Full approval March 30, 1962. Currently approved by the Accreditation Council for Occupational Therapy Education.

**OCCUPATIONAL THERAPY ASSISTANT:** Started in 1988. Approved by the Commission on Accreditation of Allied Health Education Programs in collaboration with the American Occupational Therapy Association (AOTA) April 13, 1989. Currently accredited by the Accreditation Council for Occupational Therapy Education of the AOTA.

**PHLEBOTOMY:** Started in 1994. Accredited/ approved April 1997 both by the California Department of Health, Laboratory Field Services and by the National Accrediting Agency for Clinical Laboratory Science (NAACLS); with continuing state approval, reaccredited April 2001 by NAACLS.

**PHYSICAL THERAPIST ASSISTANT:** Started in 1989. Approved by the American Physical Therapy Association April 4, 1990.

**PHYSICAL THERAPY:** Started in 1941. Initial approval by the Council on Medical Education of the American Medical Association June 6, 1942. Currently approved by the American Physical Therapy Association.

**PHYSICIAN ASSISTANT:** Started in 2000. Provisional accreditation granted October 20, 2000, by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Effective January 1, 2001, CAAHEP was succeeded by the Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA). Accredited March 2002 by ARC-PA.

**RADIATION THERAPY:** Approved by the Council on Medical Education of the American Medical Association December 1, 1974. Currently approved by the Joint Review Committee on Education in Radiologic Technology.

**RESPIRATORY CARE:** Started in 1971. Initial approval by the Council on Medical Education of the American Medical Association September 1972. Full approval June 1973. Currently approved by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) in collaboration with the Committee on Accreditation for Respiratory Care (CoARC) (formerly known as: Joint Review Committee for Respiratory Therapy Education [JRCRTE]).

**SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY:** Approved by the American Speech-Language-Hearing Association June 1, 1991.

**SCHOOL OF DENTISTRY:** Started in 1953. Approved by the Commission on Dental Accreditation of the American Dental Association since May 23, 1957.

**DENTAL HYGIENE:** Started in 1959. Approved by the Commission on Dental Accreditation of the American Dental Association since September 7, 1961.

**ENDODONTICS:** Started in 1967. Approved by the Commission on Dental Accreditation of the American Dental Association since December 1969.

**ORAL AND MAXILLOFACIAL SURGERY:** Started in 1964. Approved by the Commission on Dental Accreditation of the American Dental Association since 1967.

**ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS:** Started in 1960. Approved by the Commission on Dental Accreditation of the American Dental Association since May 1965.

**PEDIATRIC DENTISTRY:** Started in 1993. Approved by the Commission on Dental Accreditation of the American Dental Association since December 1972.

**PERIODONTICS:** Started in 1961. Approved by the Commission on Dental Accreditation of the American Dental Association since December 1967.

**PROSTHODONTICS:** Started in 1993. Approved by the Commission on Dental Accreditation of the American Dental Association since February 1995.

**SCHOOL OF MEDICINE:** Started in 1909. Approved by the Association of American Medical Colleges and the Council on Medical Education of the American Medical Association since November 16, 1922.

**SCHOOL OF NURSING:** Hospital school started at Loma Linda in 1905. Hospital school ad,uA,te

ing organized in 1948. Accredited by the National Nursing Accrediting Service December 10, 1951, with approval continuing under the National League for Nursing until 2001. Initial 1917 approval of the California State Board of Health exten,uA,until college program approved July 1, 1952, by the California Board of Registered Nursing. California Board of Registered Nursing approval since 1952. Public health nursing preparation recognized in 1959. School accredited by the Commission on Collegiate Nursing Education (CCNE) since 1999.

**SCHOOL OF PUBLIC HEALTH:** Started in 1948; reorganized in 1964. Approved by the American Public Health Association June 23, 1967. Currently approved by the Council on Education for Public Health.

## ACCREDITING AGENCIES

### THE UNIVERSITY

Loma Linda University is accredited by WASC.

Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges (WASC)

985 Atlantic Avenue, Suite 100

Alameda, CA 94501

Phone: 510 / 748-9001

FAX: 510 / 748-9797

Web site: [www.wascweb.org](http://www.wascweb.org)

Email: [wascsr@wascsenior.org](mailto:wascsr@wascsenior.org)

WASC is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Commission on Recognition of Postsecondary Accreditation.

**All entry-level degrees are accredited by their respective professional accrediting associations.**

In addition to WASC, the following agencies accredit specific University schools or programs:

**GRADUATE SCHOOL**

**Drug and Alcohol Counseling**

California Association of Alcoholism and Drug

**Nutrition and Dietetics****Dietetic Technology Program—A.S.  
Nutrition and Dietetics Program—B.S.**

Commission on Accreditation for  
Dietetics Education (CADE) of the  
American Dietetic Association  
120 South Riverside Plaza, Suite 2000  
Chicago, IL 60606-6995  
Phone: 312 / 899-0040, ext. 5400 or  
800 / 877-1600, ext. 5400  
FAX: 312 / 899-4817  
Web site: [www.eatright.org/cade](http://www.eatright.org/cade)  
E-mail: [education@eatright.org](mailto:education@eatright.org)

**Occupational Therapy**

The Accreditation Council for Occupational  
Therapy Education (ACOTE)  
American Occupational Therapy Association, Inc.  
(AOTA)  
P.O. Box 31220  
Bethesda, MD 20824-1220  
Phone: 301 / 652-2682  
or 800 / 377-8555  
FAX: 301 / 652-7711  
Web site: [www.aota.org](http://www.aota.org)  
E-mail: [accred@aota.org](mailto:accred@aota.org)

**Physical Therapy**

Commission on Accreditation in Physical  
Therapy Education  
American Physical Therapy Association  
(APTA)  
1111 North Fairfax Street  
Alexandria, VA 22314  
Phone: 703 / 706-3245  
FAX: 703 / 838-8910  
Web site: [www.apta.org](http://www.apta.org)  
E-mail: see Web site

**Radiation Technology****Medical Radiography—A.S.  
Radiation Therapy Technology—certificate**

Joint Review Committee on Education in  
Radiologic Technology (JRCERT)  
20 North Wacker Drive, Suite 900  
Chicago, IL 60606-2901  
Phone: 312 / 704-5300  
FAX: 312 / 704-5304  
Web site: [www.jrcert.org](http://www.jrcert.org)

**Diagnostic Medical Sonography—certificate**

Commission on Accreditation of Allied Health  
Education Programs (CAAHEP)  
35 East Wacker Drive, Suite 1970  
Chicago, IL 60601-2208  
Phone: 312-553-9355  
FAX: 312 / 553-9616  
Web site: [www.caahep.org](http://www.caahep.org)  
E-mail: [caahep@caahep.org](mailto:caahep@caahep.org)

Joint Review Committee on Education in  
Diagnostic Medical Sonography (JRC-DMS)  
2025 Woodlane Drive  
St. Paul, MN 55125-2995  
Phone: 651 / 731-1582  
FAX: 651 / 731-0410  
Web site: [www.jrcdms.org](http://www.jrcdms.org)  
E-mail: [jrc-dms@jcahpo.org](mailto:jrc-dms@jcahpo.org)

**Nuclear Medicine Technology—certificate**

California Department of Health Services  
Radiologic Health Branch  
P. O. Box 942732  
Sacramento, CA 94234-7320  
Phone: 916 / 322-5096  
FAX: 916 / 324-3610  
Web site: [www.csrt.org](http://www.csrt.org)  
E-mail: [RKubiak@dhs.ca.gov](mailto:RKubiak@dhs.ca.gov)

**Speech-Language Pathology and Audiology**

American Speech-Language-Hearing  
Association  
10801 Rockville Pike  
Rockville, MD 20852  
Phone: 301 / 897-5700  
FAX: 301 / 571-0481  
Web site: [www.asha.org](http://www.asha.org)  
E-mail: [accreditation@asha.org](mailto:accreditation@asha.org)

**SCHOOL OF DENTISTRY**

American Commission on Dental Accreditation  
211 East Chicago Avenue  
Chicago, IL 60611  
Phone: 800 / 621-8099 or 312 / 440-4653  
FAX: 312 / 440-2915  
Web site: [www.ada.org](http://www.ada.org)  
E-mail: [horanc@ada.org](mailto:horanc@ada.org)

**SCHOOL OF MEDICINE**

Liaison Committee on Medical Education  
Association of American Medical Colleges  
2450 N Street NW  
Washington, DC 30037  
Phone: 202 / 828-0596  
FAX: 202 / 828-1125  
Web sites: [www.lcme.org](http://www.lcme.org); [www.aamc.org](http://www.aamc.org)  
E-mail: [lcme@aamc.org](mailto:lcme@aamc.org)

**SCHOOL OF NURSING**

Board of Registered Nursing  
1170 Durfee Avenue, Suite G  
South El Monte, CA 91733  
Phone: 626 / 575-7080  
FAX: 626 / 575-7090  
Web site: [www.rn.ca.gov](http://www.rn.ca.gov)

Commission on Collegiate Nursing Education  
(CCNE)

One Dupont Circle NW, Suite 530  
Washington, DC 20036-1120  
Phone: 202 / 887-6791  
FAX: 202 / 887-8476  
Web site: [www.aacn.nche.edu/accreditation](http://www.aacn.nche.edu/accreditation)

**SCHOOL OF PUBLIC HEALTH**

Council on Education for Public Health  
800 Eye St. NW, Suite 202  
Washington, DC 20001-1397  
Phone: 202 / 789-1050  
FAX: 202 / 789-1895  
Web site: [www.ceph.org](http://www.ceph.org)  
E-mail: [jconklin@ceph.org](mailto:jconklin@ceph.org)

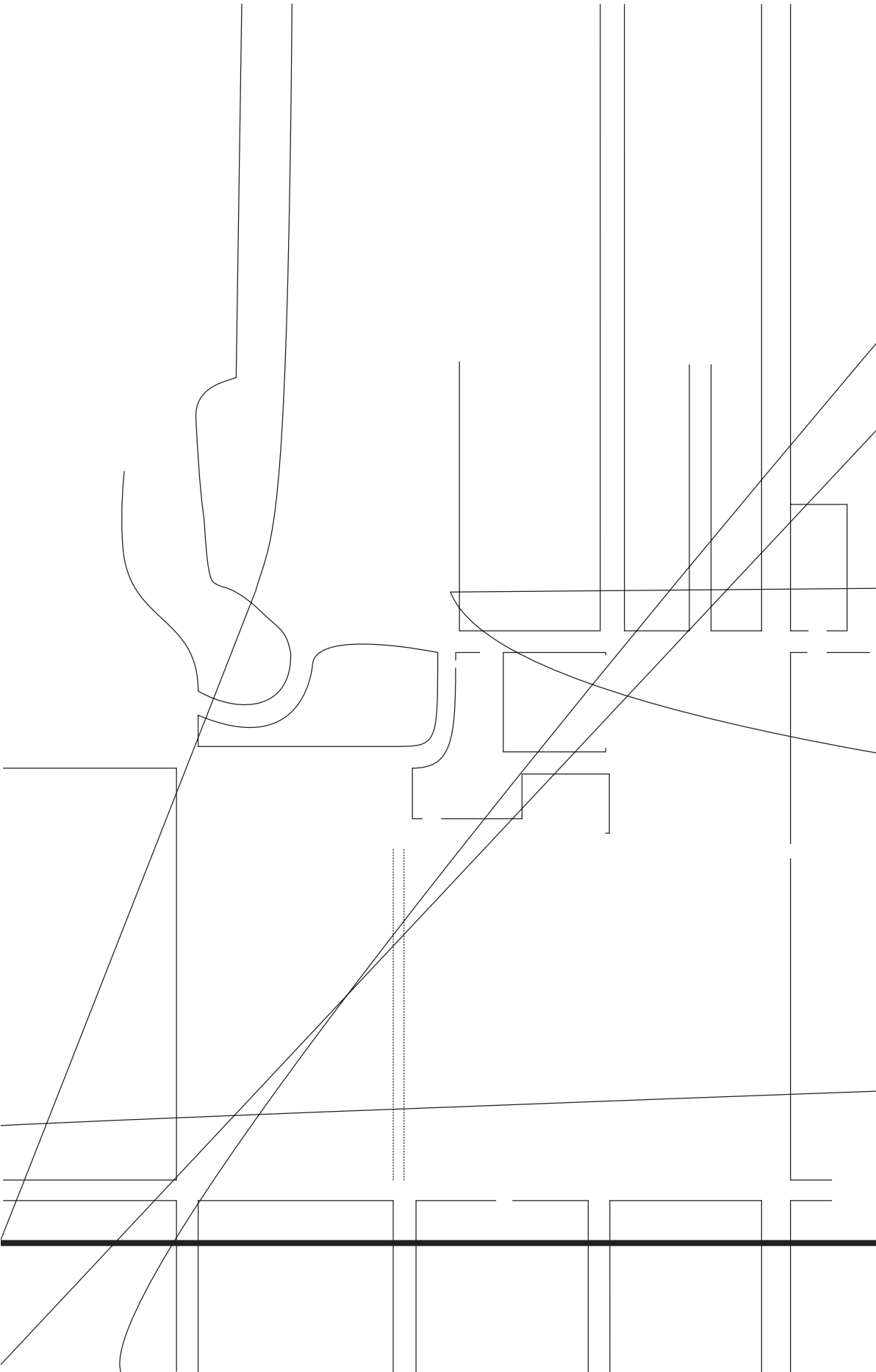


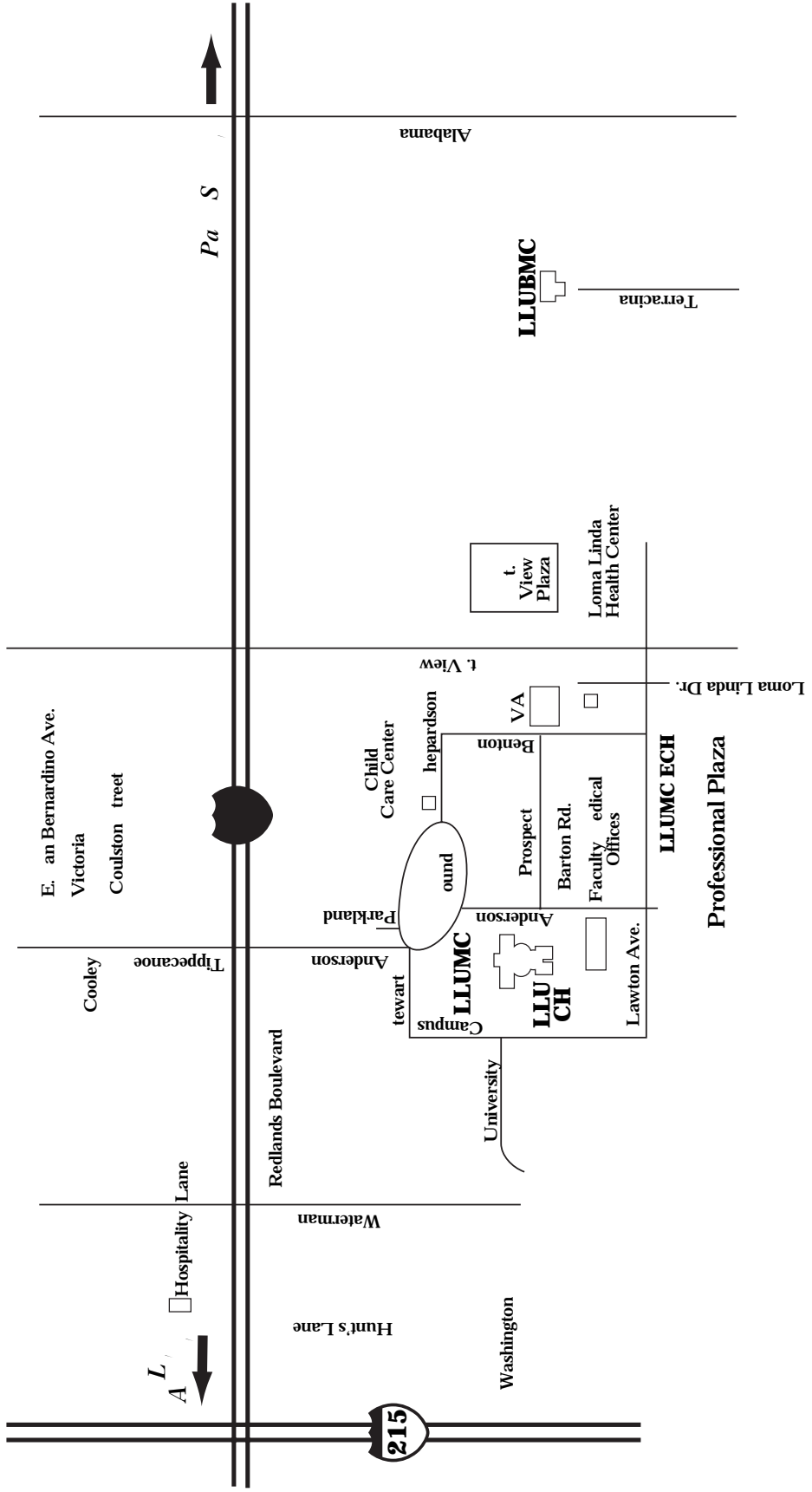
**ELLEN G. WHITE ESTATE  
LOMA LINDA BRANCH OFFICE**

Also located in the Library is a branch office of the Ellen G. White Estate. It contains 60,000 type-written pages of Ellen G. White's letters and manu-

scripts; 4,600 of her published articles; and several different files of materials pertaining to various aspects of her life and ministry. A computerized concordance to her published writings is available to researchers. A link to a bibliography of the variant editions of her works is available on the Library's home page.









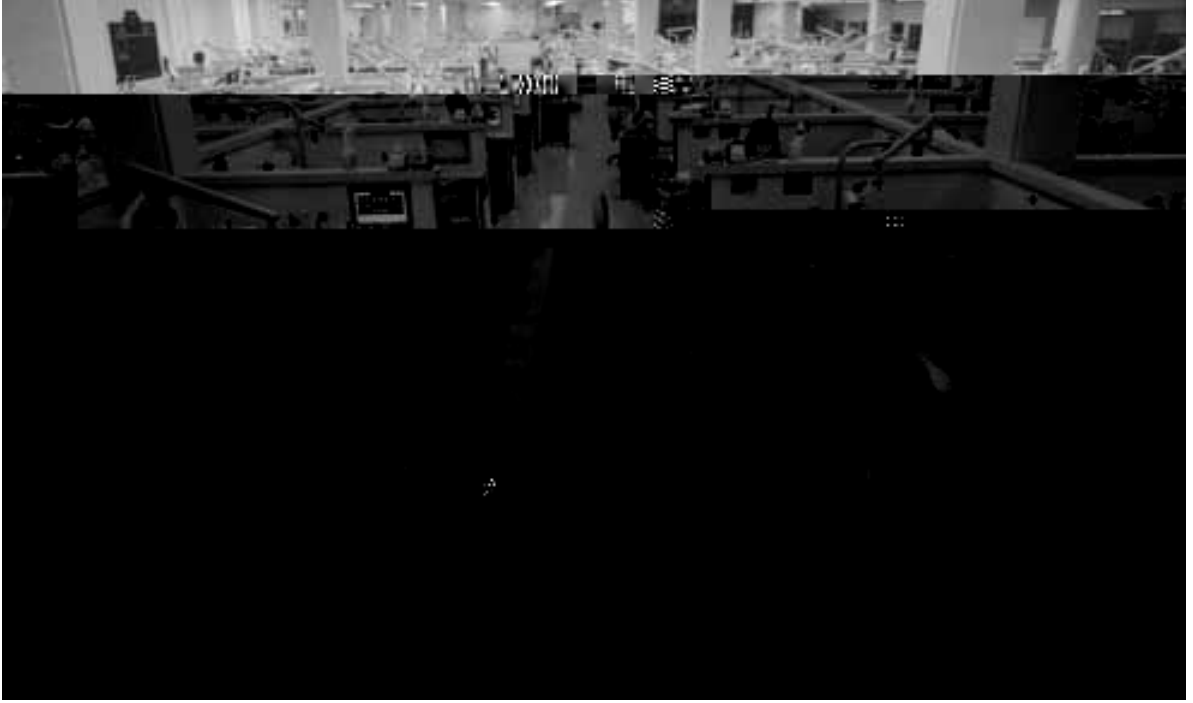






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	<b>WEB SITE:</b>	<b>E-MAIL:</b>
<b>Student Services/Resources</b>	<a href="http://www.llu.edu/llu/students">www.llu.edu/llu/students</a> <a href="http://www.llu.edu/ssweb">www.llu.edu/ssweb</a> <a href="http://www.llu.edu/llu/studentaffairs">www.llu.edu/llu/studentaffairs</a>	
<b>University Records</b>		<a href="mailto:registrar@univ.llu.edu">registrar@univ.llu.edu</a>
<b>The Faculty of Religion</b>	<a href="http://www.llu.edu/llu/fr/">http://www.llu.edu/llu/fr/</a>	
Coordinator of M.A. in Bio- medical and Clinical Ethics	<a href="http://ethics.llu.edu/">http://ethics.llu.edu/</a>	<a href="mailto:mcarr@rel.llu.edu">mcarr@rel.llu.edu</a>
Coordinator of M.A. in Clinical Ministry	<a href="http://ministry.llu.edu/">http://ministry.llu.edu/</a>	<a href="mailto:ssorajjakool@rel.llu.edu">ssorajjakool@rel.llu.edu</a>
Coordinator of M.A. in Religion and the Sciences	<a href="http://religionandscience.llu.edu">http://religionandscience.llu.edu</a>	<a href="mailto:rrice@rel.llu.edu">rrice@rel.llu.edu</a>
Center for Christian Bioethics	<a href="http://www.llu.edu/llu/bioethics/">http://www.llu.edu/llu/bioethics/</a>	<a href="mailto:hmorrison@ethicscenter.llu.edu">hmorrison@ethicscenter.llu.edu</a>
Center for Spiritual Life and Wholeness	<a href="http://www.llu.edu/llu/wholeness/">http://www.llu.edu/llu/wholeness/</a>	<a href="mailto:innerweave@som.llu.edu">innerweave@som.llu.edu</a>
<b><i>The Schools:</i></b>		
<b>Allied Health Professions</b>	<a href="http://www.llu.edu/llu/sahp/">http://www.llu.edu/llu/sahp/</a>	
Admissions		<a href="mailto:admissions@sahp.llu.edu">admissions@sahp.llu.edu</a> attn. admissions
Cardiopulmonary Sciences		<a href="mailto:admissions@sahp.llu.edu">admissions@sahp.llu.edu</a> attn. CPSC
Clinical Laboratory Science		<a href="mailto:admissions@sahp.llu.edu">admissions@sahp.llu.edu</a> attn. CLSC
Health Information Management		<a href="mailto:admissions@sahp.llu.edu">admissions@sahp.llu.edu</a> attn. HLIN
Nutrition and Dietetics		<a href="mailto:admissions@sahp.llu.edu">admissions@sahp.llu.edu</a> attn. DTCS <a href="mailto:nutrition@sahp.llu.edu">nutrition@sahp.llu.edu</a> attn. DTCS
Occupational Therapy		<a href="mailto:admissions@sahp.llu.edu">admissions@sahp.llu.edu</a> attn. OATH
Physical Therapy		<a href="mailto:admissions@sahp.llu.edu">admissions@sahp.llu.edu</a> attn. PPTH
Radiation Technology		<a href="mailto:admissions@sahp.llu.edu">admissions@sahp.llu.edu</a> attn. RTCH
Speech-Language Pathology/ Audiology		<a href="mailto:admissions@sahp.llu.edu">admissions@sahp.llu.edu</a> attn. SPPA
<b>Dentistry</b>	<a href="http://www.llu.edu/llu/dentistry/">http://www.llu.edu/llu/dentistry/</a>	
Admissions	<a href="http://www.llu.edu/llu/dentistry/">http://www.llu.edu/llu/dentistry/</a>	<a href="mailto:admissions.sd@sd.llu.edu">admissions.sd@sd.llu.edu</a>
<b>Graduate</b>	<a href="http://www.llu.edu/llu/grad/">http://www.llu.edu/llu/grad/</a>	
Admissions	<a href="http://www.llu.edu/llu/grad/">http://www.llu.edu/llu/grad/</a>	<a href="mailto:admissions.gs@univ.llu.edu">admissions.gs@univ.llu.edu</a>
<b>Medicine</b>	<a href="http://www.llu.edu/llu/medicine/">http://www.llu.edu/llu/medicine/</a>	<a href="mailto:ledwards@som.llu.edu">ledwards@som.llu.edu</a>
<b>Nursing</b>	<a href="http://www.llu.edu/llu/nursing/">http://www.llu.edu/llu/nursing/</a>	<a href="mailto:admissions_sn@sn.llu.edu">admissions_sn@sn.llu.edu</a>
<b>Pharmacy</b>	<a href="http://www.llu.edu/llu/sps/">http://www.llu.edu/llu/sps/</a>	<a href="mailto:pharmacy@univ.llu.edu">pharmacy@univ.llu.edu</a> <a href="mailto:rxadmissions@univ.llu.edu">rxadmissions@univ.llu.edu</a>
<b>Public Health</b>	<a href="http://www.llu.edu/llu/sph/">http://www.llu.edu/llu/sph/</a>	
Recruitment	<a href="http://www.llu.edu/llu/sph/">http://www.llu.edu/llu/sph/</a>	<a href="mailto:sphinfo@sph.llu.edu">sphinfo@sph.llu.edu</a>