

*LOMA LINDA UNIVERSITY*



SCHOOL OF DENTISTRY

2003  2005



**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 statement of the School of Dentistry on the requirements for admission, enrollment, curriculum, and graduation. The School of Dentistry reserves the right to change the requirements and policies set forth in this BULLETIN at any time upon reasonable notice. In the event of conflict between the statements of this BULLETIN and any other statements by faculty or administration, the provisions of this BULLETIN shall control, unless express notice is given that the BULLETIN is being modified.

The information in this BULLETIN is made as accurate as is possible at the time of publication. Students are responsible for informing themselves of and satisfactorily meeting all requirements pertinent to their relationship with the University. The University reserves the right to make such changes as circumstances demand with reference to admission, registration, tuition and fees, attendance, curriculum requirements, conduct, academic standing, candidacy, and graduation.

BULLETIN OF  
LOMA LINDA UNIVERSITY  
Volume 94, Number 2, August 30, 2004

Published twice a month August 30, 2004;  
twice a month October 30, 2004

Loma Linda, CA 92350  
USPS 0-74-44  
LLUPS PS31983



printed on recycled paper

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



# CONTENTS

## I

### **9 LOMA LINDA UNIVERSITY**

- 10 University Foundations
- 11 Our Mission
- 13 Nondiscrimination Policy
- 14 Affirmative Action
- 16 The Calendar

## II

### **21 SCHOOL OF DENTISTRY**

- 22 Letter from the Dean
- 23 School Foundations
- 27 General Information
  - 27 Administration
  - 27 Curricula
  - 27 Learning Environment
- 28 Programs, Degrees
  - 28 Combined-Degrees Programs
- 29 Admissions Information
- 34 Financial Information
- 37 Student Life
  - 38 Whole-Person Health
  - 39 Counseling and Health Services
- 41 Governing Practices
- 43 Academic Practices

## III

### **50 SERVICE LEARNING**

## IV

### **53 PROGRAMS AND DEPARTMENTS**

- 54 Programs and Degrees
- 55 Codes and Course Numbers
- 56 The Basic Sciences Departments
  - 57 Anatomy
  - 58 Biochemistry and Microbiology
  - 59 Physiology and Pharmacology

60	The Dental Hygiene Program
69	The General Dentistry Program
80	The General Dentistry Departments
81	Dental Anesthesiology
82	Dental Educational Services
84	Endodontics
85	Oral Diagnosis, Radiology, and Pathology
87	Oral and Maxillofacial Surgery
88	Orthodontics and Dentofacial Orthopedics
89	Pediatric Dentistry
90	Periodontics
91	Restorative Dentistry

## V

### **95 INTERNATIONAL DENTIST PROGRAM**

96	Faculty
96	The Program
97	Awards
97	Requirements for Graduation
98	Distribution of Instruction
100	Courses

## VI

### **103 ADVANCED DENTAL EDUCATION PROGRAMS**

104	Introduction
104	General Information
104	Programs Overview
105	Admission Requirements
105	Interdisciplinary Courses
106	Advanced Education Programs
106	Dental Anesthesiology
108	Endodontics
110	Implant Dentistry
113	Oral and Maxillofacial Surgery
115	Orthodontics and Dentofacial Orthopedics
118	Pediatric Dentistry
120	Periodontics and Implant Surgery
122	Prosthodontics

## **VII**

### **125 FACULTY OF RELIGION**

- 126 Statement of Mission
- 126 Courses (required, selective, and elective)  
for School of Dentistry students

## **VIII**

### **129 DIVISION OF GENERAL STUDIES**

- 130 LLU Philosophy of General Education
- 130 LLU Criteria for General Education Courses
- 131 LLU General Education Requirements
- 131 LLU General Education Courses Offered by the School
- 132 LLU General Education Courses—Online and Booklet
- 132 LLU English Composition Requirements

## **IX**

### **135 THE DIRECTORY**

- 136 Officers of the University Board of Trustees
- 136 University Board of Trustees
- 136 University Administration
- 137 School Administrative Personnel
- 137 School Committees
- 137 Faculty Index
- 138 The Faculty
- 143 Summary of Graduates
- 144 School Alumni Association
- 144 Accreditation Status
- 145 Accrediting Agencies
- 148 The University Libraries
- 149 Ellen G. White Estate Loma Linda Branch Office
- 150 Maps and Legends
- 154 Index
- 158 To Communicate with LLU Personnel by  
Telephone, FAX, Web Site, Mail, and E-mail





# 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:

God is the creator and sustainer of the universe.

Mankind’s fullest development entails a growing understanding of the individual in relation both to God and to society.

The quest for truth and professional expertise, in an environment permeated by religious values, benefits the individual and society and advances the ministry of the Seventh-day Adventist Church.

# 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 law and University policy. The University's affirmative-action policy is to provide equal access to admissions, educational programs and activities, financial aid, student services, and employment.

In compliance with Title IX of the Educational Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973, a grievance procedure has been established to process student complaints alleging violation of these regulations or of the University's policy of nondiscrimination based on gender or handicap. Inquiries concerning Title IX may be directed to the affirmative-action officer. Employment-related discrimination complaints, including those filed by student employees, are processed in conformity with the provisions outlined in existing staff personnel policies. Complaints related to discrimination in academic areas are reviewed in conformity with the procedures established by the academic administration.





# 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

Last day to obtain financial clearance (\$50 fee assessed if late payment)

11-15

California Dental Licensure Examination

15-JUL 2

### PRESUMMER SESSION 2004

15

Registration for presummer session (for remediation only)

15

Instruction begins

30

Last day to obtain financial clearance (\$50 fee assessed if late payment)

### JULY

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	31

5

Independence Day recess

6-SEP 16

### SUMMER QUARTER 2004

6

Instruction begins

7-13

Late registration begins (\$50 late-registration fee assessed)

12

SD National Board Dental Examinations, Part 1

13

Last day to enter a course or change from audit to credit/credit to audit

18-21

SD "Careers in Dentistry" seminar

20

Last day to withdraw with no records of course registration on transcript

### AUGUST

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	31				

2-6

Midterm week

30

Last day to withdraw with a "W" grade or submit S/U petition

### SEPTEMBER

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		

1-27

SD registration

13-16

Final examinations

15-24

SD D1 orientation and clinic pre-session

16

Summer Quarter ends

17-26

SD summer recess

20

Last day to obtain financial clearance (\$50 fee assessed if late payment)

20

University autumn faculty colloquium

20-24

DH orientation

21

Grades due from faculty

27-DEC 9

### AUTUMN QUARTER 2004

27

Instruction Begins

28-OCT 5

Late registration begins (\$50 late-registration fee assessed)

# The Calendar

## 2004

### OCTOBER

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
31						

4	SD celebration
5	Last day to enter a course or change from audit to credit/credit to audit
11-15	Autumn Week of Devotion (follow Week of Devotion schedule)
12	Last day to withdraw with no records of course registration on transcript
15-17	SD retreat
20	University convocation
25-29	Midterm week

### NOVEMBER

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				

24-28	Thanksgiving recess
22	Last day to withdraw with a "W" grade or submit S/U petition

### DECEMBER

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	31	

1-24	Registration for Winter Quarter
6-9	Final examinations
9	Autumn Quarter ends
10	DEADLINE to submit WREB application (D4)
10-JAN 2	SD Christmas recess
13-14	SD National Board Examination, Parts I and II
14	Grades due from faculty
22	Last day to obtain financial clearance (\$50 fee assessed if late payment)
23-JAN 11	

## 2005

### JANUARY

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	31					

3-MAR 17	<b>WINTER QUARTER 2005</b>
3	Instruction begins
4-11	Late registration begins (\$50 late-registration fee assessed)
11	Last day to enter a course or change from audit to credit/credit to audit
16-19	SD Nevada Licensure Board Examinations
17	Martin Luther King, Jr., recess
18	Last day to withdraw with no record of course registration on transcript
18-21	Student Week of Spiritual Emphasis (follow special schedule)

# The Calendar

## 2005

### FEBRUARY

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

Midterm week  
 SD Alumni–Student Convention  
 SD student dedication service  
 Presidents’ Day recess  
 DEADLINE to submit California Board Examination application (D4)  
 Last day to withdraw with a “W” grade or submit S/U petition

### MARCH

S	M	T	W	T	F	S	
		1	2	3	4	5	1-25
6	7	8	9	10	11	12	14-17
13	14	15	16	17	18	19	17
20	21	22	23	24	25	26	18-22
27	28	29	30	31			18-27
							21
							22
							22-APR 5
							28-JUN 9
							28
							29

Registration for Spring Quarter  
 Final examinations  
 Winter Quarter ends  
 SD Western Regional Board Examinations (projected)  
 SD spring recess  
 Last day to obtain financial clearance (\$50 fee assessed if late payment)  
 Grades due from faculty  
 Late registration begins (\$50 late-registration fee assessed)  
**SPRING QUARTER 2005**  
 Instruction begins  
 SD Dental Hygiene National Board Examination (projected)

### APRIL

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

Spring Week of Devotion (follow special schedule)  
 Last day to enter a course or change from audit to credit/credit to audit  
 Last day to withdraw with no record of course registration on transcript  
 Midterm week

### MAY

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	23
29	30	31					26
							27
							28
							29
							30

Last day to withdraw with a “W” grade or submit S/U petition  
 Grades due from faculty for D4 students  
 Dental Hygiene Pinning Ceremony, 6:00 p.m.  
 Baccalaureate Service, 11:15 a.m.  
 Conferring of Degrees, 5:00 p.m.  
 Memorial Day recess

# The Calendar

## 2005

### 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		

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

Registration for summer session (without late fees)  
Final examinations  
DEADLINE for eligibility to take California State Board  
Licensure Examination (D4)  
Spring Quarter ends  
California Board Licensure Examination (projected)  
SD summer recess  
SD presummer session (for remediation only)  
Grades due from faculty (D1, D2, D3, and dental hygiene students)

### JULY

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
31						

5-SEP 16  
11

SD summer session  
SD National Board Examination, Part I (projected)

### AUGUST

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	31			

### SEPTEMBER

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	

21-DEC 8

SD Autumn Quarter



# II

## SCHOOL OF DENTISTRY

Letter from the Dean

School Foundations

General Information

Admissions Information

Financial Information

Student Life

Academic Practices

**W**elcome to Loma Linda University, one of the most vibrant health-sciences centers in the United States. The School of Dentistry bulletin introduces you to our vision, mission statement, and core values. These serve as the foundation of our commitment to providing quality educational programs enriched through our Christian environment.

Our School has a proud tradition of clinical excellence—seeking to balance technical finesse with the highest standards of compassionate patient care. Each graduate leaves the School prepared for a lifetime of service to patients, community, and the profession. The ability to learn through service is viewed as a gift, enriching the lives of those served and those serving.

Oral health care is a vital and invigorating part of overall health. As biomedical knowledge grows at an explosive rate, our faculty are dedicated to a curriculum that produces progressive dental professionals. You will learn to use advanced materials and techniques, and will receive abundant experience in patient care. Our service-learning programs provide many opportunities for you to complement your education through the oral health care you perform at extramural clinics for those in need.

Our commitment to research has resulted in the expansion of laboratory space and facilities, the addition of faculty, and increases in funding for important research endeavors. Students have the opportunity to work with outstanding faculty in a wide variety of investigative efforts and to be part of a long-standing tradition of exceptional student-generated research.

We remain fully dedicated to excellence in dental education and service; however, it is the people who have been drawn here that make Loma Linda University School of Dentistry an exciting place to be. I welcome you to a lifetime of enriching experiences.



Charles J. Goodacre, D.D.S., M.S.D.  
Dean, School of Dentistry

# 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

**L**oma Linda University School of Dentistry is a preeminent health care organization seeking to represent God in all we do. We are enthusiastically committed to excellent, innovative comprehensive education of our students and whole person care of our patients.

Our students, staff, and faculty are empowered through an enabling environment that honors the dignity, diversity, and worth of everyone.

Our graduates are exemplary professionals and progressive clinicians of integrity.

Our Lord's example inspires us to enrich our local and global communities through service. This is our calling.

## CORE VALUES

- Belief in God
- Respect for the Individual
- Principled Spirituality
- Student Focus
- Empathic Care
- Commitment to Service
- Pursuit of Truth
- Progressive Excellence
- Analytic Thinking
- Effective Communication

# 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.

**D.D.S./M.P.H.**

**A** combined-degrees Doctor of Dental Surgery and Master of Public Health program is open to the qualified student of dentistry who wants to influence and manage the future as a skilled leader—in public or private sectors—from large health care systems to mission hospitals, from research laboratories to primary care. The Master of Public Health degree can be taken, within a twelve-month period after either the second or third year of the D.D.S. program, in any of the following majors: biostatistics, environmental and occupational health, community wellness, epidemiology, health administration, health education, international health, maternal and child health, or nutrition.

**D.D.S./M.S.**

**A** combined-degrees program leading to the Doctor of Dental Surgery and the Master of Science degrees is open to qualified students of dentistry. The student who is interested in establishing a broader professional base in science or who is looking toward a career in teaching or research may take an interim leave from the School of Dentistry after the first professional year, register in the Graduate School, and fulfill professional degree requirements subsequent to or concurrent with completing course work and research for the Master of Science degree.

**D.D.S./PH.D.**

**T**he biomedical sciences program provides opportunity for well-qualified and motivated students to pursue both a professional and a graduate education and to prepare for careers in clinical specialization, teaching, or investigation in health and human disease. The student who has a baccalaureate degree and the approval of the Biomedical Advisory Committee may enter the combined-degrees program and work concurrently toward the Doctor of Dental Surgery and the Doctor of Philosophy degrees. A minimum of six years is required to complete a combined-degrees program, offered cooperatively by the School of Dentistry and the Graduate School.

# Admissions Information

**L**oma Linda University was established to provide professional health education in a distinctively Christian environment that prepares well-qualified, dedicated Christian dentists who are committed to serving humanity. No religious test is applied, but students of Loma Linda University School of Dentistry (LLUSD) are expected to uphold the standards and ideals of this church-related school. Prospective students have the freedom to choose or reject such concepts, but this decision must be made prior to enrollment.

In selecting students for entrance to programs in the School, the Admissions Committee looks for evidence of self-discipline, personal integrity, and intellectual vigor. An applicant accepted to the School of Dentistry must possess the capabilities required to complete the full curriculum in the allotted time at the levels of competence required, as stated in the School of Dentistry Technical Standards outlined in this section. Some programs require an interview with faculty. Members of the Seventh-day Adventist Church are given preference. Acceptance of an applicant into any curriculum is contingent on the recommendation of the department conducting the program. The University's emphasis on health and the health professions, as well as the practices of the supporting church, preclude the admission of applicants who use tobacco, alcoholic beverages, or narcotics.

## 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 grade-point average for accepted students is substantially higher.

### Recommended

The subjects listed as required form the minimum background for professional study. In order to be better prepared with specific vocabulary and understanding, the applicant should particularly include science courses with content similar to courses offered during the first year of the professional curriculum. The applicant'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 applicant's development as a unique and responsible human being.

The choice of electives can broaden the applicant'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 in order to understand and help associates.

#### Dental Admission Test

The applicant is required to complete and must meet specific criteria related to performance on the Dental Admission Test (DAT). Preference is given to applicants who have taken the test no later than October of the academic year preceding that for which admission is desired. The student entering the first year is 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 committee reviews all scores on the test, giving priority to the academic average score and the perceptual ability score.

#### Transfer, course waiver

Credits from professional schools (business, medical technology, nursing, pharmacy, or medicine) do not fulfill admission requirements. Credit for studies taken at a military service school is granted to veterans according to recommendations in the *Guide of the American Council on Education* and/or the California Committee for the Study of Education. The University reserves the right to require satisfactory completion of written or practical examinations in any course for which transfer credit is requested.

An applicant from a college or university outside the United States or Canada or from a nonaccredited college or university in the United States must complete a minimum of one full academic year (24 semester or 36 quarter credits) in competition with other preprofessional students in an accredited college or university in the United States. A grade of C or above in each course completed is required. (A grade of C- will not be accepted.)

A course requirement may be waived if the applicant has previously taken the course and earned a grade of B or above, but no credit results. Evaluation for waiver of courses will be completed only after an applicant has been accepted to the program, and must be approved by the course director at this University and the School's associate dean for academic affairs. Tuition is not reduced if courses are waived or if a student takes less than a full load.

Transfer from another school of dentistry in the United States is not recommended and is considered only in unusual circumstances. An applicant should expect to begin at the first-year level and will be considered only if there is space available at the appropriate level or in the dental class desired. An application will be issued when the following information has been received:

- letter from applicant, stating reason for requesting transfer;
- letter of recommendation from the dean of the dental school where the applicant is enrolled;
- official transcripts sent directly to the

University for both pre dental and dental school courses completed;

- Dental Admission Test results.

#### Application procedure

The School participates in the American Association of Dental Schools Application Service (AADSAS). Cards requesting an AADSAS application are available at most colleges and universities and also on the Internet at <www.adea.org>; or e-mail at <aadsas@adea.org>. The application should to be completed and returned to the Washington address indicated on the application. AADSAS processes this application and sends copies to the schools of the applicant's choice. The School of Dentistry at Loma Linda University recommends that applicants file their AADSAS application before October 1 in order to be competitive. The application deadline is December 1 in order to be given consideration for the next entering class. The following is a step-by-step process for completing an application to Loma Linda University.

1. **Supplementary application.** When an AADSAS application arrives at Loma Linda University, it is screened; and qualified applicants are sent a supplementary application for the School of Dentistry.
2. **Supplementary written materials.** The applicant must return the completed supplementary application and materials within 30 days. This includes: an essay specific to Loma Linda University, a wallet-sized photograph, and the application fee of \$60.
3. **Transcripts.** Official transcripts may be sent to AADSAS and then released by AADSAS to the School of Dentistry. When an applicant becomes an accepted student, official transcripts, mailed directly from all colleges/universities, are required. An applicant's file will not be given consideration by the Admissions Committee until all official transcripts are on file.
4. **References.** The applicant is asked to supply a minimum of three personal references. It is recommended that these include an academic reference from a science instructor; a reference from an employer; a character or religious reference such as from a minister; and a reference from a friend in the dental profession. If the applicant has attended a college or university that has a preprofessional committee that prepares a preprofessional evaluation, it is required that Loma Linda University be sent a copy of this evaluation from the committee. Members of the applicant's family are excluded from writing the required letters of reference, although letters will be accepted for the file in addition to those required. Recommendation letters may be sent to AADSAS and then released by AADSAS to Loma Linda University School of Dentistry.
5. **Dental Admission Test.** The applicant is required to complete and must meet specific criteria related to performance on the Dental Admission Test (DAT). The student entering the first year is

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, and commitment to goals of the profession; as well as genuine concern for others in the service of dentistry. At the time of the interview, a tour of the School will be given by a current student in the program.
7. **Acceptance.** The accepted student receives an acceptance letter and a follow-up letter with information relative to required forms and deposit deadlines.
8. **Pre-entrance health requirements/ Immunizations**

It is expected that necessary routine dental and medical care will have been attended to before the student registers.

New students are required to have certain immunizations and tests before registration. Forms to document the required immunizations are provided for the physician in the acceptance packet sent to the student by the School. In order to avoid having a hold placed on the registration packet, the student is encouraged to return the documentation forms in the provided envelope to Student Health Service *no later than six weeks prior to the beginning of classes.*

Students enrolling in the School of Dentistry must provide documentation of having had the following immunizations and tests:

- MMRs—measles (rubeola), mumps, rubella (German measles ) (or provide proof of two previous MMRs)
- PPD (TB) skin test (current skin test result or x-ray report)
- Tetanus/Diphtheria booster
- Chicken pox blood test and/or immunization: If no known history of chicken pox, then student may choose blood test (which may reveal pre-existing immunity) and/or immunization (if no prior immunity).
- Hepatitis-B vaccination series  
Students who know themselves to have had hepatitis-B in the past should employ extra protection when involved in direct patient care and may request a modified curriculum, if necessary. This series of three vaccinations may be completed at this University (even if it was

begun elsewhere) through the Student Health Service. (The student will be charged a fee.)

- A recent eye examination performed by an ophthalmologist or optometrist.

For further information, consult the *Student Handbook 2002*, Section V—University Policies: Communicable disease transmission prevention policy; and the Student Health Service office, extension 88770.

If a returning student is assigned to a clinical facility that requires a tuberculosis skin test, then the student is required to have the test within the six months before the assignment begins.

9. **Deposits.** The student accepted into dentistry must submit a deposit of \$1000 and the required forms to the Admissions Office. All deposits become part of the first quarter's tuition. Failure to submit this deposit will result in the loss of the applicant's position in the class. The remaining balance of the first quarter's tuition and fees is due no later than the day of matriculation in late September. If the applicant has submitted a completed application for financial aid by March 2, and if the Stafford application has been submitted by June 15, the final installment can be paid utilizing University-assisted sources.

## TECHNICAL STANDARDS

In harmony with its own education, research, and service objectives, and using the American Dental Educators Association suggested guidelines, Loma Linda University School of Dentistry has identified technical standards for its programs. The qualified applicant will meet, or will have the potential to meet, the following technical standards—standards that every student in the dentistry programs is expected to reach.

### Cognitive abilities

School of Dentistry students must have abilities that allow them to accurately and effectively measure, verify, calculate, reason, analyze, and synthesize. Students must be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures to fully and completely solve dental problems. In addition, students must be able to visualize and comprehend physical demonstrations in the classroom, laboratory, and clinic. Effective problem solving requires students to gather, organize, and assess relevant information to arrive at an integrated solution.

### Observation

For learning to occur, students will be required to observe and interpret demonstrations and experiences. Such observation requires the functional use of vision, touch, hearing, and somatic sensation. Observation is further enhanced by the sense of smell.

Students must be able to acquire information from written documents; and to visualize information presented in images from papers, films, slides, or videos. They must be able to interpret radiographic and other graphic images, with or without the use



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**

Prior to admission and regardless of nationality or citizenship, an applicant whose native language is not English is required to pass either the Michigan Test of English Language Proficiency (MTELP) or the three ETS examinations: Test of English as a Foreign Language (TOEFL), Test of Spoken English (TSE), and Test of Written English (TWE). If satisfactory results are not achieved on the tests, remedial course work should be taken and the appropriate test repeated until a satisfactory score is achieved. A personal interview is also encouraged to verify acceptable verbal and written skills.

The minimum MTELP requirements are as follows: undergraduate, a score at the 90th percentile; graduate humanities and social sciences, 90th percentile; graduate science, 85th percentile; professional graduate, 90th percentile.

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/mailling 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 can be either degree or nondegree applicable.

J-1 exchange visitors are allowed to work; but employment guidelines differ, depending on the exchange category. Contact International Student Services at 909\558-4955 for further information and regulations governing the Exchange Visitor Program.

### **Other visas**

Internationals may enter the U.S. on a wide variety of visas. However, a visa may have to be changed before a student can commence academic studies at this University. Please contact International Student Services at 909\558-4955 for further information regarding regulations and study options for specific visa types.

### **Transfer students**

International students currently attending other schools in the United States who have either an I-20 or a DS-2019 and who wish to attend Loma Linda University must do a school-to-school transfer. The timing of a transfer is critical in order to maintain visa status; therefore, it is important to consult with an international adviser as soon as the acceptance letter is received.

### **Study load**

Both the F- and J-student-visa regulations require the successful completion of a full study load during each quarter of each academic year (as defined by each program). A minimum of 12 units per quarter is usually considered full time for an undergraduate program; 8 units per quarter is considered full time for a graduate program. In any quarter a reduced study load requires the prior approval of an individual in International Student Services who carries the title of designated school official (DSO).

# Financial Information

**T**he student is expected to arrange for financial resources to cover all expenses before the beginning of each school year. Accounts with other schools or with this University must have been settled. Registration is not complete until tuition and fees on the required installment are paid; therefore, the student should be prepared to make these payments during scheduled registration for each academic year. There may be adjustments in tuition and fees as economic conditions warrant.

## 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 fee will be charged for a check returned by the bank for reason of insufficient funds.

### Deposits

Upon notification of acceptance, the dentistry applicant makes a \$1,000 deposit to hold a place in the class. This amount is deducted from the tuition and fees due at registration. The balance of the first quarter's tuition and fees is due on or before the day of registration. For dental hygiene applicants, the deposit is \$100, with the balance due at registration.

### Room and key deposit

Residence hall room and key deposits of \$90 for Daniells Complex and \$60 for Lindsay Hall are required by the residence hall dean and will be forfeited after August 15 if occupancy does not follow. At the close of the term of residence, both the room and key deposits are refunded after the student returns the key and the dean inspects and clears the room.

### Housing

If a student interested in on-campus/residential housing, application may be made online at [www.llu.edu/llu/housing](http://www.llu.edu/llu/housing).

### Veterans' benefits

Under Title 38 of the U. S. Code, Loma Linda University is approved for the training of veterans and other eligible persons. Information regarding eligibility for any of these programs may be obtained by calling 1-888-GIBILL1.

Students receiving veterans' benefits who fail for three consecutive quarters to maintain the cumulative grade point average (G.P.A.) required for graduation will have their benefits interrupted; and the Veterans Administration (VA) office will be notified.

Application for benefits must be made directly to the VA and may be done via the Web. The Office of University Records serves as the certifying official for Loma Linda University. Students should contact the certifying official prior to their first enrollment certification. For more information, open links to the VA Web site ("Students" or "Prospective Students") on the LLU home Web page at <<http://www.llu.edu>>.

#### Student health-plan coverage

A student registered for 7 or more units per quarter is automatically covered by student health-plan provisions. A student enrolled for fewer than 7 units may request and pay for health-plan coverage. For further information, see the Student Life section of this BULLETIN.

### SCHEDULE OF CHARGES (2004–2005)

(subject to change by Board of Trustee action)

#### DENTISTRY

##### TUITION/FEES\*

\$32,961 Per year—first-year students: Autumn, Winter, Spring Quarters

\$39,932 Per year—second-, third-, and fourth-year students: rates effective beginning Summer Quarter

##### INSTRUMENTS AND RENTAL FEES

Freshman 5,873; Sophomore 3,659;  
Junior 514; Senior 151

##### SUPPLIES

Freshman 175; Sophomore 625;  
Junior 405; Senior 380

##### LABORATORY FEES

Freshman 135; Sophomore 140;  
Junior 120; Senior 40

##### OTHER CHARGES

Freshman 848; Sophomore 1,598;  
Junior 760; Senior 817

##### TEXTBOOKS/MANUALS

Freshman 1,100; Sophomore 1,260;  
Junior 1,200; Senior 300

##### TOTAL

Freshman 41,092; Sophomore 47,214;  
Junior 42,931; Senior 41,620

#### DENTAL HYGIENE

##### TUITION/FEES\*

\$18,895 Junior year

\$25,192 Senior year

##### INSTRUMENTS

Junior 4,356; Senior 700

##### SUPPLIES

Junior 55; Senior 115

##### LABORATORY FEES

Junior 150; Senior 80

##### EXTRAMURAL CHARGES

Junior 0; Senior 880

##### TEXTBOOKS/MANUALS

Junior 915; Senior 248

##### NATIONAL BOARD EXAM

Junior 0; Senior 175

##### TECHNICAL SUPPORT FEE

Junior 415; Senior 415

##### TOTAL

Junior 24,821; Senior 27,840

#### ESTIMATED LIVING EXPENSES

##### (board and room)

##### On-campus student (\$955/mo.)

\$8,595 9 months

\$11,460 12 months

##### Off-campus student (\$1,185/mo.)

\$10,665 9 months

\$14,220 12 months

\* Tuition is charged in four equal amounts, Summer through Spring Quarters. The amounts listed are for the 2004-05 academic year only. Tuition and/or fees will change for 2005-06. Students should plan on an annual increase consistent with inflation in the education sector.

#### FINANCIAL ASSISTANCE

The School participates in several types of loan and scholarship programs. A needs-analysis system approved by the federal government is used to evaluate the need for financial aid. A parental contribution factor is considered for dependent students. Application for aid, with confirmation of need, should be submitted by May 15 each year the student is in school.

For information about financial planning and availability of loans and scholarships, students should contact the financial aid adviser for the School of Dentistry. Priority is given to students whose completed applications are on file by May 15. Application for financial aid may be made before acceptance.



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 automatically covered by the plan; however, noneligible students—those on summer break and part-time students (e.g., in a clinical program but enrolled for fewer than 7 paid units)—may, if they wish, purchase coverage at the Department of Risk Management.

Those wishing to buy in may enroll in the Student Health Plan *only during the first two weeks of each new calendar quarter; that is, during the first two weeks of January, April, July, and October*.

For further information about eligibility, the student may refer to the *Student Health Plan* booklet or call Risk Management.

**Buy-in rates per quarter**

For current quarterly buy-in rules, please contact the Department of Risk Management.

**Student responsibility for payment**

Neither Student Finance nor the Department of Risk Management bills the student’s account or sends out reminders. Funds received for buy-in coverage must be in the form of a check or money order (payable to the Department of Risk Management).

**Coverage exclusion for “pre-existing” condition**

If a student or patient has not maintained a continuous “creditable coverage” under another health plan during the twelve months prior to the coverage-effective date, the following pre-existing-condition exclusion will apply:

This plan will not cover any medical condition, illness, or injury for which medical advice, diagnosis, care, or treatment was recommended or received by the student or patient during the six months prior to the effective date of health plan coverage. This exclusion will apply for twelve months from the student’s coverage-effective date, unless such an individual remains treatment free during the six-month term beginning with the effective date of coverage. If the individual remains treatment free during the six-month term, the pre-existing-condition exclusion will apply only during that six-month period. This exclusion will not apply to pregnancy-related medical expenses or to medical treatment for a newborn or adopted child. For additional information, the student may contact Risk Management.

**Preferred-provider plan, prescriptions, annual term, benefit limits**

The Student Health Plan is a PPO preferred-provider plan. A list of preferred physicians and preferred medical facilities is available from Risk Management.

The Student Health Plan covers prescriptions when the Advance PCS prescription benefit services card is used. At Loma Linda University (LLU) network pharmacies, the student co-pay for a 30-day supply per prescription is \$15.00 for generic or \$30.00 for brand-name. At non-LLU Advance PCS pharmacies, the student co-pay for a 30-day supply per prescription is \$25.00 for generic and \$40.00 for brand name. The Student Health Plan prescription co-pay is limited to \$2,500.00 per plan year.

Benefits are limited by the terms and conditions set forth in the *Student Health Plan* booklet. The booklet is available from the Loma Linda University Department of Risk Management. For additional health plan information, phone the Department of Risk Management at 909/558-4386.

**MALPRACTICE COVERAGE**

Students are covered by malpractice coverage while acting within the course and scope of any approved clinical assignment.

**DISABILITY INSURANCE PROGRAM**

All School of Dentistry students are automatically enrolled in a disability insurance program while registered in the School. This program provides limited disability insurance for these students while in the program and also allows for conversion to an individual disability insurance policy at the time of graduation. Details of this program are available in the Office of the Associate Dean for Student Affairs.

## 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 University holds that a lifestyle free of alcohol, tobacco, and recreational/illegal drugs is essential for achieving this goal, it maintains policies that foster a campus environment free of these substances. All students are expected to refrain from substance abuse while enrolled at the University. Substance abuse is considered to be any use of tobacco, alcohol, and other recreational or illegal drugs; any use of a nonprescription mood-altering substance that impairs the appropriate functioning of the student; or any misuse of a prescription or nonprescription drug. Also, possession of an illegal drug may be cause for dismissal. The School offers counseling and other redemptive programs to assist in the recovery from substance abuse. Continuation as a student with the University will be dependent upon the abuser appropriately utilizing these programs. Failure to comply with these policies will result in discipline up to and including expulsion and, if appropriate, notification of law-enforcement agencies for prosecution.

For details regarding the LLU drug-free environment—as well as information regarding prevention, detection, assessment, treatment, relapse prevention, confidentiality, and discipline—see the Loma Linda University *Student Handbook 2002*, Section V, University Policies: Alcohol, controlled substances, and tobacco policy.

### Sexual harassment

Sexual harassment is reprehensible and will not be tolerated by the University. It subverts the mission of the University and threatens the well-being, educational experience, and careers of students, faculty, employees, and patients.

Because of the sensitive nature of situations involving sexual harassment and to assure speedy and confidential resolution of these issues, students should contact one of the School's designated, trained sexual harassment ombudspersons.

A more comprehensive statement of the policy regarding "Sexual harassment" and "Sexual standards policy" can be found in the Loma Linda University *Student Handbook 2002*, Section V, University Policies.

### Dismissal, grievance

Students who are involved in dismissal proceedings or who wish to file a grievance are referred to the grievance procedure as outlined—

- in the Student Life section of this BULLETIN (see FROM UNIVERSITY TO STUDENT, par. 3);
- in the School section of the *Student Handbook 2002*.

### Employment

It is recommended that students refrain from assuming work obligations that divert time, attention, and strength from the arduous task of train-

ing in their chosen career. A student wishing to work during the school year may petition for permission from the Office of the Associate Dean for Academic Affairs. The decision of that office regarding such an employment request will be based on academic standing, class load, health, and School policy.

### CODE OF ETHICS

A school of dentistry is a place where the professionals of tomorrow are selected and trained in the development of professional and ethical attitudes that are consistent with the highest goals of the profession. It is for this purpose that the School of Dentistry has a code of ethics. This code is a means of educating and training the future dentist in areas of professional ethical activity, and is a means of developing an ethical and moral awareness that will help the individual serve the public and the profession in an enlightened manner. The Code of Ethics of the School of Dentistry as found in the *Student Handbook 2002* shall apply to all students in the School—including dental hygiene, dentistry, international, graduate, and certificate students. In addition, residents, fellows, preceptors, research scholars, and exchange students involved in School advanced-education programs shall also be subject to all School policies. The School of Dentistry Code of Ethics can be found in its entirety in the University *Student Handbook 2002*.

### STUDENT ASSOCIATION

Membership in the Dental Students' Association is open to all students. The objectives of the organization include creating a common bond among students, orienting them to organized dentistry, encouraging and fostering missionary activities, stimulating interest in current scientific development, providing programs of broad academic scope, promoting the various interests of students, and providing social activities for students.

### SPECIAL OPPORTUNITIES

#### Conventions

The annual Alumni-Student Convention, sponsored since 1960 by the Alumni Association, gives opportunity for students to meet alumni and hear presentations by prominent guest lecturers in dentistry.

Students have the opportunity to make research presentations in the form of table clinics. The winners are then invited to present their table clinics at state and national dental conventions.

A dedication service is held during the convention, giving students an opportunity to dedicate their professional life to Christ. First-year students (D1) are presented with personalized Bibles; graduating students (D4) are given personalized lab coats.

# Academic Practices

**T**he student must register on or before the dates designated by the Office of University Records. Early registration is encouraged. Registration procedures include recording information on forms furnished by the Office of University Records, clearing financial arrangements with Student Finance, completing requirements of the Student Health Service, and having student identification pictures taken.

Late registration is permissible only in case of a compelling reason; a charge is made if registration is not completed by the designated dates. The student may not attend class without being registered, and in no case may registration take place later than the first week of the term. A change in registration after the second week affects the grade record. A student may not concurrently register for courses in another school of the University without permission of the associate dean for academic affairs.

## REGISTRATION CLASSIFICATIONS

### Regular

The student who has satisfied all prerequisites and who is registered for a standard curriculum leading to a degree or certificate is a regular student. The regular student is subject to strict application of the academic standards and policies and pays the regular tuition rate.

### Provisional

The student who is permitted to remove qualitative or quantitative deficiencies in order to qualify or requalify for regular standing is classified as a provisional (probationary) student during the transition period. The student is registered for courses taken with the consent of the associate dean for academic affairs. Tuition at the regular rate is paid for such courses.

### Nondegree

The student who enrolls for selected courses rather than for completion of a program leading to a degree or certificate is classified as a nondegree student. Registration may be for credit or audit. Tuition is paid at the regular rate. Consent to enroll as a nondegree student is granted by the department, with the approval of the associate dean for academic affairs, and is subject to classroom and laboratory space.

The undergraduate, nondegree student is one who is permitted to register for a single course on the basis of a high school diploma, the presentation of a brief application form, evidence to the instructor that the prerequisite has been met, consent of the associate dean for academic affairs, and payment of tuition at the regular rate. The postgraduate, nondegree student is accepted similarly but on the basis of a baccalaureate degree. Ordinarily a

course taken during this status applies toward degree requirements only if the student was eligible for regular status. No more than 9 units of such course work may be applied toward the degree.

### Audit

A student in any classification may register for a course as an auditor for purposes of supplementary education. A laboratory course may not be audited. An audited course counts as half credit on the class load but earns no academic credit towards a degree or certificate. Consent for enrollment as an auditor is granted by the department, with the approval of the associate dean for academic affairs, and is subject to class availability.

## COURSE CHANGES

**A** student may drop, change, or add courses during the first week of a term without penalty. This must be done in person. Forms for changing courses may be obtained at the Office of Academic Affairs or the Office of University Records or online at [www.llu.edu/ssweb/registration](http://www.llu.edu/ssweb/registration). Course withdrawals after the second week of the term may affect the permanent grade record, as specified in the definition of "withdrawal" in the Scholastic Standing section. Students are not free to drop courses in their major field without approval of the associate dean for academic affairs.

## ATTENDANCE

**R**egular attendance at all appointments (class, clinic, laboratory, chapel) is required beginning with the first day of each term. A pattern of absence may be referred to the Academic Review Committee for consideration and action.



**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.

**I Incomplete**—given when the majority of the course work has been completed and circumstances beyond a student's control result in the student being unable to complete the quarter. An I notation may be changed to a grade only by the instructor before the end of the following term (excluding the summer sessions for those not in attendance during that term). Incomplete units are not calculated in the grade-point average.

By use of the petition form—available online at <[www.llu.edu/ssweb/registration](http://www.llu.edu/ssweb/registration)>—the student requests an I notation from the instructor, stating the reason for the request and obtaining the signatures of the instructor, the department chair, and the associate dean. The form is left with the instructor. The instructor will then report the I notation on the grade-report form, as well as the grade that the student will receive if the deficiency is not removed within the time limit. The petition form is then filed with the Office of University Records along with the grade-report form. The notation I is not granted as a remedy for overload, failure on final examination, absence from final examination for other than an emergency situation, or a low grade to be raised with extra work.

**IP In Progress**—indicates that the course has a duration of more than a single term and will be completed by the student no later than the final term of the course, not to exceed five quarters for independent study and research courses (original quarter of registration plus four additional quarters). The student's final grade will be reported on the instructor's grade report at the end of the term in which the course is completed. If the course work is not completed within the five-quarter time limit, a grade of U will be given.

**AU Audit**—indicates registration for attendance only, with 80 percent class attendance considered a requirement. A request to change a credit course to audit or an audit course to credit may be made no later than the fourteenth calendar day after the beginning of a quarter, or the seventh calendar day after the beginning of the five-week summer session. (This does not apply to short summer courses lasting only a week or two.)

**AUW Audit Withdrawal**—given for withdrawing from a course, or to indicate that the 80 percent class attendance requirement was not observed.

Each course taught in the School of Dentistry has been approved for either a letter grade or an S/U grade, and deviations from this are not allowed.

### Dean's List

Outstanding academic performance will be rewarded by publication of the Dean's List each quarter. The eligibility requirements are:

- complete at least 12 units of course work during the quarter;
- achieve a term grade-point average of at least 3.5 with no grade lower than a B-;
- receive no Incomplete grades on the grade report.

### Grade reports

Under the Buckley amendment of the Family Educational Rights and Privacy Act (1974), students have full rights of privacy with regard to their academic records, including their grade reports. Grades are available to the student online at [www.llu.edu/ssweb](http://www.llu.edu/ssweb). The Office of University Records sends one copy of the student grade report to the School.

### Grade change

A grade may not be changed except when an error has been made in arriving at or recording a grade. Such changes are acceptable up to the end of the succeeding term.

### Repeating/Remediating a course

If a student receives an unsatisfactory or failing grade in a required course, it will be necessary for him/her to do additional work. Based on the original grade earned by the student, and upon the recommendation of the Academic Review Committee, one of the following plans will be pursued:

1. For courses with unsatisfactory performance (D+/D/U grades) the student must reregister for the course, review the course work independently, repeat required assignments or quizzes, and take any or all course examinations as required by the course director. The highest grade allowed for a remediated course is C. At the discretion of the Academic Review Committee and course director, the student may be required to repeat the course at the next course offering.
2. For courses with failing performance (F grades), the student must reregister for the course, attend the class and/or laboratory, and take all course examinations at the next regular course offering.

Both the original and repeat grades are entered into the student's permanent academic record, but only the repeat grade units are computed in the grade-point average.

### Veterans' benefits

Under Title 38 of the U. S. Code, Loma Linda University is approved for the training of veterans and other eligible persons. Information regarding eligibility for any of these programs may be obtained by calling 1-888-GIBILL1.

Students receiving veterans' benefits who fail for three consecutive quarters to maintain the cumulative grade point average (G.P.A.) required

for graduation will have their benefits interrupted; and the Veterans Administration (VA) office will be notified.

Application for benefits must be made directly to the VA and may be done via the Web. The Office of University Records serves as the certifying official for Loma Linda University. Students should contact the certifying official prior to their first enrollment certification. For more information, open links to the VA Web site (“Students” or “Prospective Students”) on the LLU home Web page at <<http://www.llu.edu>>.

## COMMENCEMENT

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.

## ACADEMIC CRITERIA FOR PROMOTION

### Level D1 to level D2

- Cumulative G.P.A. at or above 2.0.
- Successful completion of D1 Comprehensive Examination.

### Level D2 to D3

- Cumulative, didactic, and preclinical laboratory G.P.A. at or above 2.0.
- Successful completion of National Board Part I Qualifying Examination.

### Level D3 to D4

- Cumulative G.P.A. at or above 2.0.
- Successful completion of National Board Examination Part I.

### Academic requirements for graduation

- Cumulative G.P.A. at or above 2.0.
- No courses with failing or unsatisfactory grades for which remedial action has not been completed.
- Successful completion of National Board Examination Parts I and II.
- Successful completion of all clinical requirements.
- Successful completion of all service-learning requirements.

## PROCEDURES FOR ACADEMIC REVIEW

There are six Academic Review Committees: D1, D2, D3, D4, IDP, and Dental Hygiene. Membership of each committee consists of the associate dean for academic affairs, the associate

dean for student affairs, the assistant dean for admissions, the director of admissions, and the course directors of all courses required of the respective class in the academic year. The associate dean for clinic administration and primary attending faculty are members of the D3/D4 Academic Review Committee. In addition, each committee has two student members appointed by the dean in consultation with the DSA officers. Student committee members will be in the class one year ahead of the class being reviewed.

The Academic Review Committees meet once per quarter to evaluate the records of student academic and clinical performance and progress. Students whose performance does not meet the stated academic standards and students who are being considered for discontinuation may be scheduled for a hearing with the committee. The committee also recommends to the dean all appropriate candidates for promotion, academic probation, repeat, or other appropriate actions; as well as students who should receive special recognition for academic excellence.

The process for evaluation of academic performance is as follows:

1. The Academic Review Committee—by reviewing grades, reports, and other pertinent information—identifies students whose academic and/or clinical performance is below acceptable levels.
2. The associate dean for academic affairs notifies a student facing possible academic sanctions regarding the time and place for a meeting called for the purpose of allowing the student to appear before the committee to present reasons why action should not be taken. The Academic Review Committee considers the student's presentation and all available information before making a recommendation.
3. The dean may enforce one or more of four academic sanction options:
  - Academic probation
  - Remedial action
  - Academic leave of absence
 Please refer to the respective sections that follow for more specific descriptions regarding each academic sanction.
4. Grievances of Academic Review Committee decisions may be appealed to the dean. The dean will review the matter and either render a decision or appoint a three-member ad hoc committee. Members of this committee will not have been involved in the Academic Review Committee decision process. The ad hoc committee will make a determination as to whether the process was appropriately followed and whether the record supports the decision. They will report their findings and recommendations to the dean, who will make a final and binding decision. The dean will decide if the appealing student will be permitted to continue participating in classes and/or clinical assignments during the grievance proceedings.

## ACADEMIC DISCIPLINARY POLICY

### Academic probation

Academic probation is a specified period of time during which the student is given an opportunity to comply with specific academic standards. Such action must be confirmed by memorandum to the student.

### Criteria for placement on academic probation

A student will be placed on academic probation, if s/he meets one or more of the following conditions:

1. Term G.P.A. below 2.0.
2. Failing (F/U) or unsatisfactory (D+/D) grades in any course required for the degree.
3. Clinical performance below minimum expected for current academic level.
4. Social/behavioral/ethical problems that significantly impact academic and/or clinical performance.

### Level of academic probation

The level of academic probation indicates the seriousness of the cumulative academic deficiency. However, depending on the seriousness or nature of the academic deficiency, a student may be considered for academic leave of absence or discontinuation at any level of probation.

- Level 1 First term on academic probation.
- Level 2 Second term on academic probation, consecutive or nonconsecutive.  
EXCEPTION: Continued academic probation due to failing grade in a course that cannot be repeated until a later term.
- Level 3 Third term on academic probation, consecutive or nonconsecutive. If a student is unable to remove academic probationary status within the following term, s/he will be considered for academic discontinuation.  
EXCEPTION: Continued academic probation due to failing grade in a course that cannot be repeated until a later term.
- Level 4 If a student meets criteria for academic probation for a fourth term, consecutive or nonconsecutive, s/he will be considered for academic discontinuation.

### Conditions/Prohibitions for a student on academic probation

A student on academic probation:

1. May not serve as an officer for any class, school, or extracurricular organization.
2. May not take any elective courses.
3. May not participate in any elective off-campus service learning or mission activities.
4. Remains on academic probation until all the terms of the probation sanctions have been fulfilled, unless the student is discontinued.

### Remedial action

As a condition for continued enrollment, remedial action may consist of:

1. Counseling, tutoring, repeated or additional assignments, repeated or additional course work, possibly including repeating an academic year or portion thereof.
2. Other specified activities.

### Academic leave of absence

Academic leave of absence is a specified period of time during which the student is withdrawn from the academic program. Upon request to and approval by the Academic Review Committee, the student may return to the program at a year/term level specified by the committee. The student may be requested to fulfill specific requirements prior to reentering the academic program.

### Guidelines for placement on academic leave of absence

The following are guidelines for selection of academic leave of absence as the academic sanction deemed best to aid the student in ultimately becoming a competent dentist or dental hygienist. Academic leave of absence may be considered for a student who is in one or more of the following situations:

- Student has a serious academic deficit that cannot be removed while continuing with current course work.
- At the end of the academic year, student does not meet the criteria for promotion to the next academic year.
- Student has three consecutive quarters on academic probation.
- Student has not passed the National Board Examination on schedule after two attempts and requires full study time to prepare for the National Board Examination.
- Student fulfills criteria for academic discontinuation yet shows promise for future success despite current deficiencies.

Return from an academic leave of absence requires that the student reapply for admission by written request to the associate dean for academic affairs. The student must meet the requirements for readmission specified by the Academic Review Committee at the time the leave of absence was granted. The requirements for readmission may also be reviewed by the Academic Review Committee.

### Academic discontinuation

Guidelines for academic discontinuation are as follows:

#### D1 Year

- 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 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.

**STUDENT-INITIATED ACADEMIC 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, which govern the curriculum of the chosen program.

# 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 courses—sequences in physiology, in anatomy, and in applied science. Throughout the basic sciences, an appreciation of God's creation and His wisdom is reinforced through the study of human biology. Students are encouraged to extend their knowledge and to apply it for their own well-being and for the well-being of their patients.

# 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.

## BIOCHEMISTRY AND MICROBIOLOGY

LAWRENCE C. SOWERS, Chair

- T**he goals and specific objectives of the Department of Biochemistry and Microbiology are to:
1. Provide course work in biochemistry at levels appropriate for the various professional curricula.
  2. Supply students with applications of biochemistry to problems in medicine, dentistry, nutrition, etc., so that an understanding of the place of this discipline in each field may be attained.
  3. Interface with other educators at Loma Linda University, providing them with biochemical expertise where needed in their research projects or classroom instruction.
  4. Offer a master's degree or Doctor of Philosophy degree in biochemistry to medical and dental professionals who have appropriately mastered biochemistry and demonstrated the necessary skills of independent judgment and biomedical research. This course work can provide the foundation for further education of some of the Seventh-day Adventist biomedical educators of the future.
  5. Provide a high-quality graduate biochemistry program on a Seventh-day Adventist Christian campus for any committed Christians who would feel more comfortable in such an environment.
  6. Conduct scholarly research in biochemistry, contributing to knowledge in bio-medical areas.
  7. Provide an expertise in microbiology and infectious diseases for medical, dental, and graduate students.
  8. Conduct and publish research in the field of microbiology.
  9. Provide professional consultation and participation with all departments—basic science and clinical.

### FACULTY

Carlos Casiano  
Hansel Fletcher  
Daila Gridley  
E. Clifford Herrmann

Mark S. Johnson  
James D. Kettering  
George M. Lessard  
R. Bruce Wilcox  
Anthony Zuccarelli

### COURSES

#### DENTISTRY

#### **BCHM 509 Biochemistry of the Human Body, DN (5)**

Study of the living process at the molecular level. Properties of water, the medium in which the biomolecules interact. Concepts of pH and buffers. Structure and functional roles of amino acids and proteins. Enzyme properties and mechanisms. Role of micro-nutrients in biological systems. Bioenergetics.

Catabolism and biosynthesis of carbohydrates, lipids, proteins, and nucleic acids. Collagen structure as a product of gene expression. Regulatory control of metabolism as a basis for maintaining homeostasis in biological systems. Hormone structure and function.

**MICR 501 Principles of Microbiology, DN (1, 2.5)**  
Fundamental techniques and concepts of microbiology. Principles of infection. Systematic study of microorganisms pathogenic for man. Bacteria, spirochetes, viruses, and the parasitic protozoa and metazoa. Emphasis on the dental aspects that are applicable. Lecture and laboratory.

# 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

**D**ental 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 SIGMA PHI ALPHA AWARD constitutes election to the national honor society for dental hygienists. It is based on scholarship and character and is limited to 10 percent of the class, chosen from the top 20 percent scholastically.

The TRI-COUNTY DENTAL HYGIENIST'S SOCIETY AWARD is given in recognition of outstanding student contribution to the professional association. Selection is by vote of the Tri-County Society in conjunction with the faculty liaison.

The STUDENT OF THE YEAR AWARD is given to the student who embodies the attributes of excellence and professionalism—the *ideal student*. Selection is by vote of the faculty.

The CLINICIAN'S AWARD is given to the student who demonstrates outstanding clinical achievements and the highest level of concern for patients. Selection is by vote of the faculty.

## License

To practice, the dental hygienist must pass state licensing examinations given by state and/or regional dental examining boards. The examinations are given several times each year. Credentials from the National Board of Dental Examiners are accepted in lieu of the written portion of a state examination in all states. Some states have additional written tests. Further information can be obtained from each state licensing board.

## Academic incentive program

The School of Dentistry has an incentive system to reward dental hygiene students for exceptional performance on the Dental Hygiene National Board Examination. A student who achieves a score of 90 or above on the National Board Examination is acknowledged as follows:

- Certificate of Recognition given during the pinning ceremony during commencement week-end
- \$750 scholarship to be applied to their student tuition account
- Recognition in *LLU Dentistry Journal*
- Recognition in *LLUSD DentalGram*
- Recognition on a "perpetual" plaque that is on public display

The Dental Hygiene Academic Excellence Award is presented at the dental hygiene pinning ceremony.

## Graduation requirements

In order to be eligible for graduation, the student must have:

1. Completed all requirements for admission to the chosen curriculum.
2. Completed satisfactorily all chosen requirements of the curriculum, including specified attendance, level of scholarship, length of academic residence, and number of credit units.
3. Attended an accredited college for the first two years, and Loma Linda University School of Dentistry for the junior and senior years.
4. Achieved no grade lower than a C- in all core courses, and a minimum grade-point average of 2.5.
5. Completed special examinations covering any or all subjects of the curriculum, as required by faculty action.
6. Passed the national board examination.
7. Demonstrated evidence of satisfactory moral and professional conduct, of due regard for Christian citizenship, and of consistent responsiveness to the established aims of the University.
8. Discharged financial obligations to the University.
9. Been certified by the faculty as approved for graduation.

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 Studies (section VIII). It is necessary to complete all requirements before matriculating in the School. A student may be *accepted* with a deficiency in one or more of the areas but is expected to eliminate deficits before enrolling in the dental hygiene program.

The following areas, including specific courses, must be completed prior to entrance to the program:

### COMMUNICATION SKILLS (13 quarter/9 semester units)

\*English composition and literature (a complete sequence).

Computers (highly recommended).

\*Speech/interpersonal communication/persuasion.

If English is not the native language, an undergraduate must submit a minimum score of 550 for the Test of English as a Foreign Language (TOEFL) or a minimum score of 90 percent on the Michigan Test of English Language Proficiency (MTELP) or the equivalent. Minimum scores of 5 both on the TOEFL writing test and the speaking test (TWE and TSE-A) are required for acceptance.

### SPIRITUAL AND CULTURAL HERITAGE

#### Spiritual

(required: 4 quarter/3 semester units per year of attendance at a Seventh-day Adventist college)

#### Cultural

(20 quarter/14 semester units)

Courses selected from the following (must be in a minimum of two areas):

History/Civilization.

Fine arts (theory course work only).

Literature.

Philosophy/Ethics.

Foreign language.

Performing arts/Visual arts (not to exceed 2 quarter units).

### NATURAL SCIENCES (20 quarter/15 semester units)

\*Chemistry, with course work covering a full year of inorganic, organic, and biochemistry, with laboratory.

\*Human anatomy and human physiology, with laboratory (two separate courses or a sequential course).

\*Microbiology, with laboratory.

\*College mathematics.

### SOCIAL SCIENCES (12 quarter/8 semester units)

Courses selected from the following (must be in a minimum of two areas):

\*Introduction to sociology (specific required course).

Anthropology.

Political science.

Economics.

Psychology.

Geography.

\*Cultural diversity.

### HEALTH AND WELLNESS (3 quarter/2 semester units)

\*Personal health or nutrition.

Physical education (two activity courses).

\*Program-specific pre-entrance requirements



## 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
<b>WINTER QUARTER</b>							
DNHY	415	Applied Nutrition	22	-	-	22	2
DNHY	408	Professional Ethics	22	-	-	22	2
†DNHY	412	Dental Hygiene Topics II	22	-	-	22	2
†DNHY	418	Critical Issues of Health Care	22	-	-	22	2
DNHY	423	Research III	-	33	-	33	1
†DNHY	431	Public Health Dentistry	33	-	-	33	3
DNHY	452	Clinical Seminar II	11	-	-	11	1
†DNHY	476	Dental Hygiene Clinic II	-	-	176	176	4
			132	33	176	341	17
<b>SPRING QUARTER</b>							
DNHY	409	Jurisprudence	22	-	-	22	2
†DNHY	413	Dental Hygiene Topics III	22	-	-	22	2
DNHY	414	Personal Finance	22	-	-	22	2
DNHY	453	Clinical Seminar III	11	-	-	11	1
†DNHY	477	Dental Hygiene Clinic III	-	-	176	176	4
DNHY	499	Research Writing (elective)	22	-	-	22	2
RELR	408	Christian Perspectives on Marriage and Family	22	-	-	22	2
			121	0	176	297	15

\* Grade given at end of multiple-quarter course

† Core course; minimum grade of C- required

## 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 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.

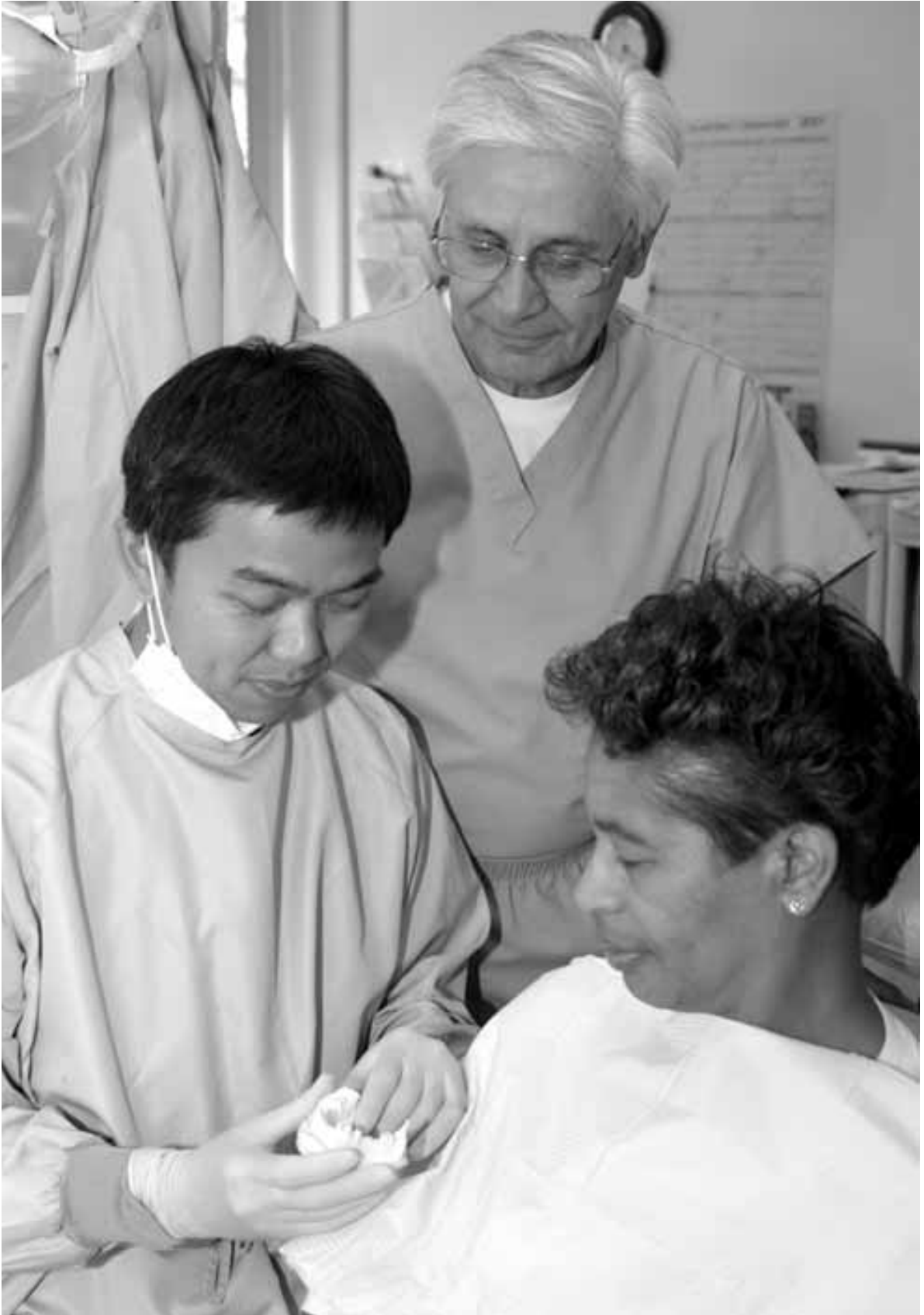
**PHRM 411 Pharmacology, DH (2)**

Uses, actions, and potential toxic effects of medications most frequently used by dental patients.

**ELECTIVES****DNHY 498 Dental Hygiene Directed Study (1-10)****DNHY 499 Research Writing (2)**

Elective course for students wishing to write their research study for submission to professional journals for possible publication. Dom. III

**Dom. I-IV: These courses meet general education and elective requirements for Domains I-IV.**





# 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.

### LICENSING

Eligibility to take examinations given by the state and regional boards of dental examiners is based on essentially the same requirements as are stipulated by the School of Dentistry for the Doctor of Dental Surgery degree. Information about the examinations of the respective states is available from the associate dean for academic affairs.

Credentials from the National Board of Dental Examiners are accepted in lieu of the written portion of a state examination in most states. Many states require the National Board Examination and provide no alternative. (The national board does not include a clinical examination.)

### 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. Attended an accredited school of dentistry for four academic years, the last two of which must have been spent at this School.
3. Completed satisfactorily all requirements of the curriculum, including specified attendance, level of scholarship, length of academic residence, number of credit units, and service-learning requirements.
4. Completed special examinations covering any or all subjects of the curriculum, as may be required by the faculty.
5. Successfully completed Parts I and II of the National Board Examination.
6. Demonstrated evidence of satisfactory moral and professional conduct, of due regard for Christian citizenship, and of consistent

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 honor society for dentistry, was founded in 1914 for the purpose of promoting scholarship among dental students. Only students who rank in the upper 20 percent of the class qualify for consideration. A maximum of 12 percent of each graduating class is eligible for alumni membership.

**Prince**

M. Webster Prince, the first dean of the School of Dentistry, established in 1957 an annual award to be given to a senior recognized by the senior class and the faculty as having outstanding qualities of scholarship, leadership, and stewardship.

## MAJOR COMPETENCIES LISTED BY DOMAIN

The curriculum is designed to ensure that by graduation all students will have the skills, attitudes, and competencies important to the successful practice of general dentistry.

- 1. The new dentist must be able to demonstrate clinical decision making that is supported by foundational knowledge and evidence-based rationales.**

**Supporting criteria**

- Understand the fundamental principles governing the structure and functioning of the human organism.
- Integrate information from biomedical, clinical, and behavioral sciences in addressing clinical problems.
- Understand the importance of scientific literature and other appropriate sources of information in oral health-management decisions.
- Demonstrate the ability to use scientifically derived laboratory and clinical evidence to guide clinical decision making.
- Apply critical thinking and problem-solving skills in the comprehensive care of patients.
- Understand the role of lifelong learning and self-assessment in maintaining competency and attaining proficiency and expertise.

- 2. The new dentist must be able to conduct a comprehensive examination to evaluate the general and oral health of patients of all ages within the scope of general dentistry.**

**Supporting criteria**

- Identify the chief complaint and take a history of the present illness.
- Conduct a thorough dental history and appropriate medical and social histories.
- Perform an appropriate clinical and radiographic examination using diagnostic aids and tests, as needed.

- Identify patient behaviors that may contribute to orofacial problems.
- Identify biologic, pharmacologic, and social factors that may affect oral health.
- Identify signs of abuse or neglect.
- Establish and maintain accurate patient records.

- 3. The new dentist must be able to determine a diagnosis by interpreting and correlating findings from the examination.**

**Supporting criteria**

- Identify problems that may require treatment.
- Establish a clinical or definitive diagnosis for identified disorders.
- Assess the impact of systemic conditions and psychological factors on oral health and/or delivery of dental care.
- Recognize conditions that may require consultation with or referral to another health care provider and generate the appropriate communication.

- 4. The new dentist must be able to develop a comprehensive treatment plan and treatment alternatives.**

**Supporting criteria**

- Identify treatment options for each condition diagnosed.
- Identify systemic diseases or conditions that may affect oral health or require treatment modifications.
- Identify patient expectations and goals for treatment.
- Explain and discuss the diagnosis, treatment options, and probable outcomes for each option with the patient or guardian.
- Develop an appropriately integrated and sequenced treatment plan.
- Modify the treatment plan when indicated due to unexpected circumstances, non-compliant individuals, or for patients with special needs (such as the frail, elderly; or medically, mentally, or functionally compromised individuals).
- Present to the patient the final treatment plan necessary to achieve the desired treatment outcomes—including time requirements, sequence of treatment, estimated fees, payment options, and other patient responsibilities.
- Secure a signed consent for treatment.

- 5. The new dentist must be able to manage pain and anxiety with pharmacologic and nonpharmacologic methods.**

**Supporting criteria**

- Evaluate the patient's physical and psychological state, and identify factors that may contribute to orofacial pain.

- 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 crown and root surfaces.
- c. Evaluate the outcomes of the initial phase of periodontal treatment.
- d. Manage the treatment of patients in the maintenance phase of therapy.
- e. Recognize and manage the treatment of advanced periodontal disease.
- f. Recognize the need for and appropriately use chemotherapeutic agents.
- g. Manage the treatment of mucogingival periodontal problems.
- h. Manage the treatment of hard- and soft-tissue problems in preparation for restorative procedures.

**9. The new dentist must be able to provide appropriate medical and surgical treatments for patients with various dental carious states.**

**Supporting criteria**

- a. Differentiate among sound enamel, hypomineralized enamel, remineralized enamel, and carious enamel.
- b. Develop and implement an appropriate treatment plan for enamel surfaces that can be managed by remineralization therapies.

- c. Develop and implement an appropriate treatment plan for tooth surfaces with caries involving the enamel and/or dentin.
- d. Properly isolate the tooth/teeth from salivary moisture and bacterial contamination.
- e. Remove or treat carious tooth structure and restore with appropriate materials.
- f. Determine when a tooth has such severe carious involvement as to require extraction.
- g. Use accepted prevention strategies—such as oral hygiene instruction, microbiologic evaluation, nutritional education and pharmacologic intervention to help patients maintain and improve their oral and systemic health.

**10. The new dentist must be able to evaluate and manage diseases of pulpal origin and subsequent periradicular disease.**

**Supporting criteria**

- a. Prevent and manage pulpal disorders through the use of indirect and direct pulp capping and pulpotomy procedures.
- b. Assess case complexity of each endodontic patient.
- c. Manage endodontic emergencies.
- d. Manage nonsurgical endodontic therapy on permanent teeth.
- e. Recognize and manage endodontic procedural accidents.
- f. Manage pulpal and periradicular disorders of traumatic origin.
- g. Manage endodontic surgical treatment.
- h. Manage bleaching of endodontically treated teeth.
- i. Evaluate outcome of endodontic treatment.

**11. The new dentist must be able to recognize and manage pathologic changes in the tissues of the oral cavity and head and neck area.**

**Supporting criteria**

- a. Recognize clinical and radiographic changes that may indicate disease.
- b. Recognize variations of normal and developmental anomalies.
- c. Identify conditions that may require treatment.
- d. Manage oral and maxillofacial pathologic conditions using pharmacologic and non-pharmacologic methods.
- e. Recognize and manage patients with orofacial pain and temporomandibular disorders.

**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 complications.
- c. Manage pathological conditions, such as lesions requiring biopsy, localized odontogenic infections, and impacted third molars.
- d. Manage patients with dentofacial deformities or patients who can benefit from pre-prosthetic surgery.

**13. The new dentist must be able to assess and manage maxillary and mandibular skeletal discrepancies, including space maintenance.**

**Supporting criteria**

- a. Perform mixed dentition analyses.
- b. Perform a cephalometric analysis to evaluate skeletodental discrepancies to assist in overall diagnosis and treatment planning.
- c. Evaluate the noncephalometric skeletal facial esthetics with respect to development and maturation.
- d. Manage multidisciplinary treatment cases involving orthodontics.
- e. Recognize and manage the effects of abnormal swallowing patterns, mouth breathing, and other parafunctional habits on the skeletal-dental structures.

**14. The new dentist must be able to manage the restoration of individual teeth and replacement of missing teeth for proper form, function, and esthetics.**

**Supporting criteria**

- a. Assess teeth for restorability.
- b. Assess esthetic and functional considerations
- c. Manage preservation of space following loss of teeth or tooth structure.
- d. Select appropriate treatment methods and restorative materials.
- e. Design fixed and removable prostheses.
- f. Implement appropriate treatment sequencing
- g. Perform biomechanically sound preparations.
- h. Fabricate and place biomechanically sound provisional restorations.
- i. Make impressions for diagnostic and treatment casts.
- j. Obtain anatomic and occlusal relation records for articulation of casts.
- k. Prepare casts and dies for the construction of restorations and prostheses.

- l. Manage the laboratory fabrication of restorations and prostheses.

- m. Evaluate and place restorations that are clinically acceptable.

- n. Recognize and manage problems related to occlusal stability.

- o. Instruct patients in the follow-up care of restorations and prostheses.

**15. The new dentist must understand the application of patient-centered approaches to the promotion, improvement, and maintenance of oral health.**

**Supporting criteria**

- a. Explain the role of the dental professional in a community setting.
- b. Recognize the effectiveness of community-based programs.
- c. Explain the role of professional dental organizations in promoting the health of the public.
- d. Explain the concept of a worldwide community as described in the world mission of the Seventh-day Adventist Church.

**16. The new dentist must be able to function as a leader in a multicultural work environment and manage a diverse patient population.**

**Supporting criteria**

- a. Demonstrate the ability to serve patients and interact with colleagues and allied dental personnel in a multicultural work environment without discrimination.
- b. Manage a diverse patient population.
- c. Demonstrate sensitivity to the psychological as well as the physical needs of patients.
- d. Demonstrate honesty and confidentiality in relationships with patients and staff.
- e. Explain the principles of leadership and motivation.
- f. Demonstrate the skills to function successfully as a leader in an oral health care team.
- g. Communicate effectively with patients, peers, other professionals, and staff.

**17. The new dentist must understand the basic principles that permit successful operation of a dental practice.**

**Supporting criteria**

- a. Evaluate the advantages and disadvantages of different models of oral health care management and delivery.
- b. Explain legal, ethical, and risk-management principles relating to the conduct of a dental practice.
- c. Explain the basic principles of personnel management, office systems, and business decisions.



- d. Apply financial management skills to debt and business management.
- e. Apply knowledge of informational technology resources in contemporary dental practice.
- f. Understand the importance of spiritual principals as a basis for developing a philosophy of health care.

**18. The new dentist must understand the importance of maintaining physical, emotional, financial, and spiritual health in one's personal life.**

**Supporting criteria**

- a. Demonstrate the ideal of service through the provision of compassionate, personalized health care.

- b. Understand the importance of maintaining a balance between personal and professional needs for successful life management.
- c. Explain the issues associated with chemical dependency, its signs in oneself and others, and the resources and treatments available.
- d. Explain the basic principles of personal financial planning and retirement planning.
- e. Explain the concept of personal wholeness espoused by Loma Linda University and the Seventh-day Adventist Church.

**DISTRIBUTION OF INSTRUCTION**

**Year D1**

		CLOCK HOURS			UNITS		
		Lec./Semr.	Lab.	Clin.	Total		
<b>AUTUMN QUARTER</b>							
ANAT	506	Human Neuroscience	46	24	8	78	5
BCHM	509	Biochemistry of the Human Body	50	10	-	60	5
DNES	708	Introduction to the Dental Profession	10	-	-	10	1
DNES	711	Introduction to Clinical Experience	22	44	-	66	2
RESD	701	Restorative Dentistry I, Lecture	22	-	-	22	2
RESD	701L	Restorative Dentistry I, Laboratory	-	66	-	66	2
RELF	718	Adventist Heritage and Health	22	-	-	22	2
			183	144	8	324	19
<b>WINTER QUARTER</b>							
ANAT	508	Human Anatomy for Dentists I	44	70	-	114	7
DNES	712	Introduction to Clinical Experience	-	-	7	7	0.5
DNES	771	Applied Nutrition	14	8	-	22	2
PHSL	504	Physiological Systems of the Human Body	46	8	-	54	5
RESD	702	Restorative Dentistry II, Lecture	28	-	-	28	2
RESD	702L	Restorative Dentistry II, Laboratory	-	66	-	66	2
RELE	734	Christian Ethics for Dentists	22	-	-	22	2
			154	152	7	313	20.5
<b>SPRING QUARTER</b>							
ANAT	509	Head and Neck Anatomy for the Dentist	47	60	6	113	8
DNES	705	Etiology and Management of Dental Caries	22	-	-	22	2
DNES	713	Introduction to Clinical Experience	-	-	7	7	0.5
MICR	501	Principles of Microbiology*	10	10	-	20	1
PHSL	505	Homeostatic Mechanisms of the Human Body	38	8	-	46	4
RESD	708	Restorative Dentistry III, Lecture	20	-	-	20	2
RESD	708L	Restorative Dentistry III, Laboratory	-	66	-	66	2
			137	178	13	328	20.5

**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
RELR	749	Personal and Family Wholeness	22	-	-	22	2
RESN	773	Fixed Prosthodontics II, Lecture	11	-	-	11	1
RESN	773L	Fixed Prosthodontics II, Laboratory	-	44	-	44	1
RESN	809	Prosthodontics Treatment-Planning Seminar	8	-	-	8	1
RESN	811	Dental Materials II	11	-	-	11	1
			147	88	var.	235	15.5
<b>AUTUMN QUARTER</b>							
DNES	806L	Research Design, Laboratory	-	33	-	33	1
ENDN	814	Endodontics II, Lecture	11	-	-	11	1
ODRP	807	Oral Medicine I	11	-	-	11	1
ODRP	825	ODRP Clinic (2 of 4)*	-	-	var.	-	0.5
ORDN	801	Minor Tooth Movement	9	30	-	39	2
OMFS	811	Oral Surgery II (1 of 2)*	11	-	-	11	1
OMFS	825	Oral Surgery Clinic I*	-	-	var.	-	1
PEDN	825	Pediatric Dentistry Clinic (2 of 4)*	-	-	var.	-	1
PERI	765	Special Topics in Periodontal Therapy	22	-	-	22	2
RELR	775	The Art of Integrative Care	22	-	-	22	2
			86	63	var.	149	12.5
<b>WINTER QUARTER</b>							
ODRP	808	Oral Medicine II	22	-	-	22	2
ODRP	821	Special Care Dentistry	10	-	-	10	1
ODRP	825	ODRP Clinic (3 of 4)*	-	-	var.	-	0.5
ORDN	811	Principles of Orthodontics II	11	-	-	11	1
OMFS	811	Oral Surgery II	11	-	-	11	1
PEDN	821	Pediatric Dentistry II	8	-	-	8	1
PEDN	825	Pediatric Dentistry Clinic (3 of 4)*	-	-	var.	-	1
PERI	805	Periodontal Surgical Therapy	10	3	-	13	1
RESN	854	Implant Dentistry	10	-	-	10	1
RESN	822	Operative Dentistry II, Lecture	9	-	-	9	1
RESN	822L	Operative Dentistry II, Laboratory	-	29	-	29	1
REL_	___	Religion selective	22	-	-	22	2
			113	32	var.	145	13.5
<b>SPRING QUARTER</b>							
DNES	794	Public Health Dentistry	22	-	-	22	2
ODRP	811	Oral Medicine III	11	-	-	11	1
ODRP	825	ODRP Clinic (4 of 4)*	-	-	var.	-	1
PEDN	825	Pediatric Dentistry Clinic (4 of 4)*	-	-	var.	-	1
PHRM	503	Clinical Pharmacology in Dentistry	22	-	-	22	2
RESN	801	Fixed Prosthodontics and Occlusion	11	-	-	11	1
RESN	823	Operative Dentistry III, Lecture	16	-	-	16	1
RESN	823L	Operative Dentistry III, Laboratory	-	24	-	24	1
			82	24	var.	106	10

\* Grade given at end of multiple-quarter course

**Year D4**

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
<b>SUMMER QUARTER</b>							
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
<b>AUTUMN QUARTER</b>							
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
<b>WINTER QUARTER</b>							
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
RELRL	715	Christian Dentist in the Community	22	-	-	22	2
			66	-	var.	66	19.5
<b>SPRING QUARTER</b>							
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
<b>TOTALS (D1, D2, D3, D4)</b>			<b>1689</b>	<b>1168</b>	<b>var.</b>	<b>2938</b>	<b>253</b>

\* Grade given at end of multiple-quarter course

## 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. Staff members provide didactic and clinical instruction in all areas of pain and anxiety control in dentistry. Undergraduate, predoctoral, and postdoctoral students learn techniques ranging from local anesthesia and parenteral sedation to general anesthesia. Related topics taught include physical diagnosis, clinical pharmacology, management of medically compromised patients, and management of medical emergencies. Observation of and participation in the anesthetic management of patients in the School of Dentistry Outpatient Surgery Center provide a unique opportunity for students and postdoctorals to learn advanced skills in general anesthesia techniques.

## FACULTY

David L. Anderson  
Trisha Jen  
John W. Leyman

## COURSES

### DENTAL HYGIENE

#### **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 and patient evaluation. Pharmacology, armamentarium, and complications regarding use of these agents. Management of office emergencies. Students practice local anesthetic injections and administer nitrous oxide/oxygen to each other.

## DENTISTRY

#### **ANES 751 Dental Anesthesia: Local Anesthesia and Inhalation Sedation (4)**

A philosophy of patient management, including use of local anesthetics and nitrous oxide/oxygen sedation as well as the physiologic and psychologic aspects of pain and anxiety. Course covers the history of anesthesia, patient evaluation, pharmacology, armamentarium, complications regarding use of these agents and the management of office emergencies. Students practice local anesthetic injections and administer nitrous oxide/oxygen to each other.

#### **ANES 801 Dental Anesthesia: Advanced Topics (2)**

Theory of general anesthesia. Hospital dentistry, patient evaluation, medical consultations. Review of local anesthesia and introduction of additional techniques of pain and anxiety control.

## 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

The 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 Richards  
Susan Roche  
Lane Thomsen

## COURSES

### DENTAL HYGIENE

**ODRP 311 General and Oral Pathology, DH (5)**  
Basic disease processes and selected organ-system diseases. Classification, etiology, and recognition of common oral diseases.

### DENTISTRY

**ODRP 701 Radiology I: Clinical Procedures (1.5)**

Techniques for producing intraoral radiographs, including film processing. Principles of extraoral radiographic techniques. Radiation protection and safety.

**ODRP 725 Patient Assessment and Data Management (3)**

Introduction to physical evaluation, data collection, and the problem-oriented dental record. Supervised clinical experience with fellow students as "patients." Development of a treatment plan and its presentation to the patient.

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

**ODRP 726 Patient Diagnosis and Treatment Planning (1.5)**

Introduction to treatment-plan development and treatment-plan presentation to the patient. Case-based, small-group treatment planning exercises. Introduction to computer-based treatment-plan management.

**ODRP 735 Dental Emergency Diagnosis and Treatment (1)**

Diagnosis and management of dental emergencies, including caries control, endodontic and prosthodontic emergencies, myofascial pain, hard- and soft-tissue trauma, and forensic issues.

**ODRP 751 General and Systemic Pathology I (4)**

Study of basic disease mechanisms and disease processes, including host responses to pathogens and injury. Study of disease processes of some organs and systems, with emphasis on disease mechanisms, epidemiology, disease manifestations, and major treatment modalities.

**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.

# ORAL AND MAXILLOFACIAL SURGERY

ALAN HERFORD, Program Director

WAYNE TANAKA, Predoctoral Program Director

The predoctoral courses in the Department of Oral and Maxillofacial Surgery include didactic and clinical instruction to prepare the student for dealing with patients seen in the general practice of dentistry. Subject matter considered includes patient evaluation prior to surgery, surgical instruments, complications and ways of preventing them, infections of the region, antibiotics, analgesic drugs to alleviate pain resulting from surgical procedures, prescription writing, and preparation of the mouth for prostheses. Oral and maxillofacial surgery procedures not done by the general dentist are included in the lectures because knowledge regarding these procedures is necessary to provide a basis for proper advice to patients with conditions which are treated by the specialist. Clinical experience ranges from a basic minimum of routine cases to more difficult, advanced cases, according to the student's demonstrated ability, perseverance, judgment, and interest in oral and maxillofacial surgery.

## FACULTY

Lorenz de Julien

F. Liviu Eftimie  
Alan Herford  
Wayne Tanaka

## COURSES

### DENTISTRY

**OMFS 805 Oral and Maxillofacial Surgery I (1)**  
Theory of oral maxillofacial surgery. Etiology, diagnosis, and surgical treatment of oral conditions and diseases commonly encountered in general practice. Familiarization with fundamental surgical techniques, principles involved in extraction of teeth, and selection and use of equipment.

**OMFS 811 Oral and Maxillofacial Surgery II (1, 1)**  
Continuation of preparatory topics for general practice. Medications used in oral maxillofacial surgery, surgical complications, assessment of oral maxillofacial surgery for impacted third molars, surgical treatment of cysts, preprosthetic surgery, recognition and evaluation of trauma, introduction to orthognathic surgery.

**OMFS 819 Intravenous Sedation (1.5)**  
Theory and practice of intravenous sedation as an adjunct to dental treatment. Physical diagnosis, venipuncture, intravenous fluid administration, monitors, medications, sedation techniques, emergencies. Course available to students accepted to the OMS Honors Program in intravenous sedation.

**OMFS 825 Oral and Maxillofacial Surgery Clinic I (1)**  
Clinical application of the principles of oral maxillofacial surgery. Opportunities to gain experience in cases of the type treated by the general dentist.

**OMFS 875 Oral and Maxillofacial Surgery Clinic II (1)**  
Clinical application of the principles of oral maxillofacial surgery. Opportunities to gain experience in cases of the type treated by the general dentist.

# 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.

# PEDIATRIC DENTISTRY

BONNIE NELSON, Chair

JOHN PETERSON, Director, Advanced Education Program

The Department of Pediatric Dentistry is committed not only to teaching excellent clinical techniques in children's dentistry but also to instilling within the dental student the importance of providing an emotionally healthy environment for the child patient while "at the dentist." The faculty has developed didactic, laboratory, and clinical learning environments in pediatric dentistry. This broad experience is designed to prepare the student for the general practice of dentistry for children.

## FACULTY

J. Todd Milledge

Bonnie Nelson  
Wesley Okumura  
John Peterson

## COURSES

### DENTISTRY

#### **PEDN 753 Pediatric Dentistry I, Lecture (2)**

Prevention of dental disease (oral hygiene, diet, fluoride, pit and fissure sealants). Behavior management of the child dental patient. Diagnosis, treatment planning and operative dentistry for children. Pediatric pulp therapy, dental arch-length management, local anesthesia and sedation for children. Medical aspects of pediatric dentistry.

#### **PEDN 753L Pediatric Dentistry I,**

##### **Laboratory (1)**

A technique laboratory to accompany the lecture second quarter.

#### **PEDN 821 Pediatric Dentistry II (1)**

Traumatic injuries to the primary and young permanent teeth and oral soft tissues. Dentistry for the handicapped, the adolescent, the infant, and the very young child. Child abuse. Oral habits of children.

#### **PEDN 825 Pediatric Dentistry Clinic (3.5)**

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

#### **PEDN 875 Pediatric Dentistry Clinic (3)**



# PERIODONTICS

CRAIG RIRIE, Director, Predoctoral Program

TORD LUNDGREN, Director, Advanced Education Program

The 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.

#### **PERI 741 Essential Periodontal Therapy, Lecture (1)**

Development of philosophy and skills in personal and patient plaque control. Development of skill and biological basis for periodontal instrumentation. Impact of these procedures on the bacterial microflora and periodontal tissues. Laboratory exercises and clinical training.

#### **PERI 741L Essential Periodontal Therapy, Laboratory (1)**

Technique laboratory to accompany the lecture.

#### **PERI 751 Planning and Evaluation in Periodontal Therapy (1)**

Comprehensive treatment planning. Diagnosis of endo-perio lesions. Prognostication, limitations, and evaluations of periodontal therapy on a short- and long-range basis, including rationale for maintenance therapy and adjunctive chemical antimicrobial therapy.

#### **PERI 765 Special Topics in Periodontal Therapy (2)**

Advanced cases; special problems related to periodontal therapy in interdisciplinary cases.

#### **PERI 805 Periodontal Surgical Therapy (1)**

Long-term comparison of various currently accepted periodontal surgical procedures, including rationales, techniques, postoperative care, and healing processes and outcomes. Laboratory exercises in application of surgical principles for access procedures. Modification of tissue morphology.

#### **PERI 875 Periodontics Clinic (7.5)**

# 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

**COURSES**

**DENTISTRY**

**RESD 701 Restorative Dentistry I, Lecture (2)**  
Terminology, morphologic characteristics, and inter-relationship of permanent teeth.

**RESD 701L Restorative Dentistry I, Laboratory (2)**

**RESD 702 Restorative Dentistry II, Lecture (2)**  
Introduction to mandibular movement. Relationship to the anatomy of teeth. Study of the source, use, and manipulation of dental materials; their physical properties relative to dentistry.

**RESD 702L Restorative Dentistry II, Laboratory (2)**

**RESD 708 Restorative Dentistry III, Lecture (2)**  
Basic principles and techniques of cavity preparation and restoration of teeth with silver alloy and aesthetic restorative materials. Study of the source, use, and manipulation of dental materials. Their physical properties relative to dentistry.

**RESD 708L Restorative Dentistry III, Laboratory (2)**

**RESD 709 Restorative Dentistry IV, Lecture (2)**  
Basic principles and techniques of cavity preparation and restoration of teeth with silver alloy and aesthetic restorative materials. Introduction to basic casting principles and techniques. Study of the source, use, and manipulation of dental materials. Their physical properties relative to dentistry.

**RESD 709L Restorative Dentistry IV, Laboratory (2)**

**RESD 754 Orientation to Restorative Clinic Protocol and Procedures (1)**

**RESD 761 Removable Prosthodontics I, Lecture (2)**  
Designed to help the D2 student understand the relationship of removable prosthodontics to dentistry, basic clinical and laboratory procedures involved in the fabrication of a removable partial denture, and maxillary immediate complete dentures and interim removable partial dentures.

**RESD 761L Removable Prosthodontics I, Laboratory (2)**

**RESD 762 Removable Prosthodontics II, Lecture (1)**  
Familiarizes the student with basic laboratory phases of diagnosing, treatment planning, and treatment of an edentulous patient.

**RESD 762L Removable Prosthodontics II, Laboratory (1)**

**RESD 763 Removable Prosthodontics III, Lecture (1)**  
Biomechanics of removable partial dentures and their design and fabrication. Diagnosis and treatment plan for removable partial dentures. Clinical and laboratory procedures and sequencing of treatment for removable partial and complete dentures. Clinical and laboratory procedures associated with surveyed RPD abutment crowns seated to an existing RPD; RPD problems; troubleshooting and repair. Semi-precision attachments and single-CD treatment.

**RESD 763L Removable Prosthodontics III, Laboratory (1)**

**RESD 771 Single Casting Technique, Lecture (2)**  
Basic tooth preparation for single-cast restorations, including porcelain fused to metal, tissue management, impression techniques, and casting fabrication.

**RESD 771L Single Casting Technique, Laboratory (2)**

**RESD 772 Fixed Prosthodontics, Lecture (2)**  
Design and fabrication of porcelain-fused-to-metal restorations, including single units and fixed partial dentures.

**RESD 772L Fixed Prosthodontics, Laboratory (2)**

**RESD 773 Fixed Prosthodontics II, Lecture (1, 1)**  
Continuation of RESD 772

**RESD 773L Fixed Prosthodontics II, Laboratory (1, 1)**

**RESD 801 Fixed Prosthodontics and Occlusion (1)**  
Introduction to additional techniques for fixed prosthodontics, treatment planning, and repair techniques for prosthetic failures.

**RESD 809 Prosthodontic Treatment Planning Seminar (1)**  
Various prosthodontic cases presented and discussed, with treatment plans to cover immediate dentures, relines, removable partial denture design, combination fixed and removable, implant over-dentures, and single crowns.

**RESD 811 Dental Materials II (1)**  
Selection and use of current dental materials. Required research project or written report.

**RESD 822 Operative Dentistry II, Lecture (1)**  
Indications, preparations, and placement of the direct gold aesthetic veneer, atypical cast gold, complex amalgam, and state board-type restorations.

**RESD 822L Operative Dentistry II, Laboratory (1)**

**RESD 823 Operative Dentistry III, Lecture (1)**  
Principles of dental aesthetics, adhesion to tooth tissues, preparation and placement of tooth-colored restorations in anterior and posterior teeth.

**RESD 823L Operative Dentistry III, Laboratory (1)**

**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

# International Dentist Program

B. DAN HALL, D.D.S., Program Director

**T**he International Dentist Program is designed for dentists who have received their dental degree from schools outside the United States and who wish to augment their training and be better prepared to practice dentistry in the United States. The program consists of two academic years completed in twenty-one months, with a strong clinical emphasis. Upon completion of the program, the student earns a D.D.S. degree from Loma Linda University.

## FACULTY

R. Leslie Arnett, Jr., PERI  
Mac-Rey Ojano, RESD

Bindoo Punjabi, ANES  
William S. Seibly, RESD  
John M. Whittaker, RESD

## THE PROGRAM

**T**he International Dentist Program at Loma Linda University is designed to allow qualified dentists, educated in countries outside the United States, to earn a Doctor of Dental Surgery (D.D.S.) degree in the United States. The D.D.S. degree from a U.S. dental college is an educational requirement for eligibility to take the dental licensure examination in many states. The program has a minimum length of two academic years (twenty-one calendar months) but may be extended, when necessary, to meet the needs of a particular student. All instruction is under the direction of Loma Linda University School of Dentistry.

### History

Dr. Lloyd Baum founded the International Dentist Program in 1985. Since then, more than 250 students from 50 countries have graduated from the program.

### Application

Application forms are available from the Office of Admissions. Requests for applications are accepted by mail, e-mail, or by telephone. Prerequisite requirements are as follows:

- Dental degree from a recognized foreign dental school
- National Dental Board Examination Part I and Part II
- TOEFL examination
- Dental school transcript (evaluated by Educational Credential Evaluators, Inc. or equivalent accredited agencies)

Other documentation is required as outlined in the application. An application fee of \$60 is required with the application and accompanying documentation by the September 15 deadline. All application material sent to the International Dentist Program becomes the property of the program.

Students currently enrolled in a similar program at another university are not eligible to apply and will not be accepted for admission.

### Language

All classes are conducted in English, and patients treated in the clinic communicate in English. Applicants must demonstrate a working knowledge of both written and spoken English.

### Selection process

**Prescreening:** Completed applications submitted before the application deadline will first be evaluated by the selection committee. Top candidates nominated by the committee will be invited for dexterity testing.

**Dexterity test:** Dexterity testing is conducted on one Sunday in October. Approximately thirty-two of the top performers will be invited for an interview.

**Interview:** Interview will be scheduled on the following day after the dexterity test (Monday).

**Final selection:** The results of the dexterity test and interview, as well as the candidate's application materials are presented to the School of Dentistry Admissions Committee for final selection. Sixteen candidates are accepted each year to join the International Dentist Program for enrollment in the following year. One class (eight students) matricu-



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**

			CLOCK HOURS			UNITS
			Lec./Semr.	Lab.	Clin.	Total
<b>IDP 1</b>						
<b>SPRING QUARTER</b>						
IDPC	825	General Clinic	-	-	var.	var. 1
IDPE	805	Endodontics	10	26	-	36 2
IDPG	750	Review of General Dentistry	123	167	-	290 14
ENDN	814	Endodontics II	11	-	-	11 1
			144	193	var.	327 18
<b>IDP 2</b>						
<b>SUMMER QUARTER</b>						
IDPC	825	General Clinic	-	-	var.	var. 8
IDPP	754	Clinical Periodontics	14	-	-	14 1
IDPR	845	Scientific Investigation and Research Design	28	8	-	36 3
IDPR	846	Restorative Dentistry I	16	8	4	28 2
			58	16	var.	78 14
<b>FALL QUARTER</b>						
IDPC	825	General Clinic	-	-	var.	var. 8
IDPR	845	Scientific Investigation and Research Design	8	-	-	8 1
IDPT	847	Dental Laboratory Technology	-	32	-	32 1
ORDN	801	Minor Tooth Movement	9	30	-	39 2
RESD	861	Senior Lecture in Removable Prosthodontics	24	-	-	24 2
RELF	717	Christian Beliefs and Life	22	-	-	22 2
			63	62	var.	125 16
<b>IDP 3</b>						
<b>WINTER QUARTER</b>						
DNES	807	Practice Management I	-----Self-Study Course-----			1
IDPC	835	General Clinic	-	-	var.	var. 8
IDPR	847	Restorative Dentistry II	24	-	-	24 2
IDPO	535	Oral Pathology and Diagnosis	22	-	-	22 2
ORDN	811	Principles of Orthodontics II	11	-	-	11 1
			57	0	var.	57 14
<b>SPRING QUARTER</b>						
DNES	809	Practice Management II	-----Self-Study Course-----			1
IDPC	835	General Clinic	-	-	var.	var. 8
IDPR	848	Restorative Dentistry III	24	-	-	24 2
PEDN	753	Pediatric Dentistry I, Lecture	22	-	-	22 2
PEDN	753L	Pediatric Dentistry I, Laboratory	-	33	-	33 1
PHRM	503	Clinical Pharmacology	22	-	-	22 2
RELF	706	Adventist Beliefs and Life	22	-	-	22 2
			90	33	var.	123 18

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
<b>IDP 4</b>							
<b>SUMMER QUARTER</b>							
DNES	707	Personal Development	11	-	-	11	1
IDPC	845	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
IDPP	755	Pediatric Dentistry Clinic	-	-	24	24	0.5
			45	-	28	73	12.5
<b>FALL QUARTER</b>							
IDPC	845	General Clinic	-	-	var.	var.	8
IDPP	755	Pediatric Dentistry Clinic	-	-	24	24	0.5
IDPP	759	Special Topics in Periodontal Therapy	22	-	-	22	2
IDPT	754	Advanced Topics in Dentistry	22	-	2	24	2
RELE	734	Christian Ethics for Dentists	22	-	-	22	2
			66	-	26	92	14.5
<b>TOTALS</b>			<b>523</b>	<b>304</b>	<b>var.</b>	<b>875</b>	<b>107</b>
 <b>Fall Start</b>							
<b>IDP 1</b>							
<b>FALL QUARTER</b>							
IDPC	825	General Clinic	-	-	var.	var.	1
IDPE	805	Endodontics I	10	26	-	36	2
IDPG	750	Review of General Dentistry	123	167	-	290	14
ORDN	801	Minor Tooth Movement	9	30	-	39	2
ENDN	814	Endodontics II, Lecture	11	-	-	11	1
			153	223	var.	376	20
<b>IDP 2</b>							
<b>WINTER QUARTER</b>							
DNES	807	Practice Management I	-----Self-Study Course-----				1
IDPC	825	General Clinic	-	-	var.	var.	8
IDPP	754	Clinical Periodontics	14	-	-	14	1
IDPR	846	Restorative Dentistry I	16	8	4	28	2
IDPO	535	Oral Pathology and Diagnosis	22	-	-	22	2
ORDN	811	Principles of Orthodontics II	11	-	-	11	1
			63	8	4	75	15
<b>SPRING QUARTER</b>							
DNES	809	Practice Management II	-----Self-Study Course-----				1
IDPC	825	General Clinic	-	-	var.	var.	8
PEDN	753	Pediatric Dentistry I, Lecture	22	-	-	22	2
PEDN	753L	Pediatric Dentistry I, Laboratory	-	33	-	33	1
			22	33	var.	55	12

		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)**

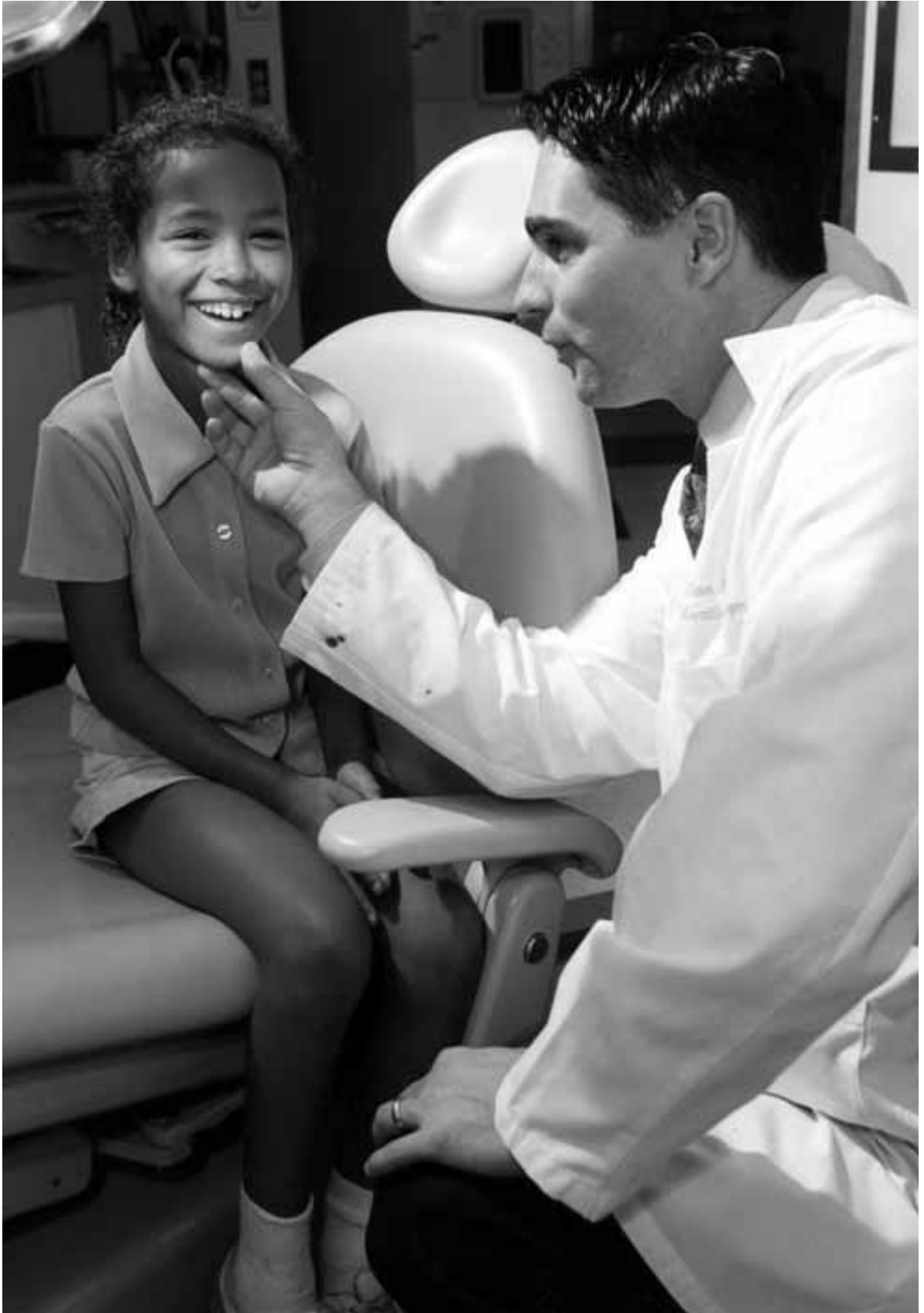
Advanced topics in anesthesiology, dental emergency, pediatric dentistry, radiology, oncology, jurisprudence, and other advanced topics in dentistry.

**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

Interdisciplinary Courses

### 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

An 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 must give evidence of personal and professional fitness for growth in the science and art of the intended dental discipline. For application deadlines, see section on each individual program.

After applicants are accepted into the advanced education programs in endodontics, oral and maxillofacial surgery, pediatric dentistry, periodontics, prosthodontics, or the postdoctoral program in implant dentistry, they may apply for admission to the Graduate School for the purpose of earning an M.S. degree (in addition to the advanced program certificate). For the purpose of the Graduate School application, a Graduate Record Examination (GRE) certificate is required at the time of application to the Graduate School.

For additional information regarding the dates and times for GRE, call toll free 609/771-7670; or visit Web site <www.gre.org>.

Applicants for whom English is a second language must show satisfactory results on the Test of English as a Foreign Language (TOEFL). For additional information, call toll free 800/257-9547.

### Residence

The required time in residence varies with each program. For length of program, refer to information under program description.

### Stipends

Stipends are provided in the dental anesthesiology and the oral and maxillofacial surgery programs. For details, contact the program administrators.

### Tuition

Tuition and fees quoted in this BULLETIN are for the academic year 2004-2005.

### Thesis

Students on the Master of Science degree track are required to pursue a problem in basic or clinical research, the results of which are to be presented in thesis form according to standards set by the Graduate School Council. Students may be required to defend the thesis orally.

### General requirements

For information about requirements and practices to which all graduate students are subject, the student should consult the Loma Linda University Graduate School BULLETIN.

## INTERDISCIPLINARY COURSES

Following is a description of various nondepartmental interdisciplinary courses.

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

Provides basic information necessary to develop a research proposal. Focuses on applied statistics, as well as proposal writing—which emphasizes critical evaluation of the literature, proposal design, and proposal methodology. Culminates in an approved research proposal suitable for submission to the departmental Research Guidance Committee (RGC). Lectures, seminars.

### GRDN 531 Applied Surgical Anatomy (2)

Surgical approach to anatomy as it relates to special anatomical regions.

### GRDN 535 Clinical Oral Pathology (2)

Emphasis on oral manifestations of disease. Diagnosis, prognosis, and treatment of various oral neoplasms.

### GRDN 601 Practice Management (2)

Prepares student for specialty practice. Concepts of employment, records, incorporating, insurance, and practice planning.

### GRDN 604 Topics in Medicine and Hospital Protocol (1-2)

Topics in internal medicine and physical evaluation, with emphasis on diseases and physical conditions relating to dental treatment. Overview of hospital utilization. Local anesthesia, inhalation, and intravenous sedation techniques reviewed.

### GRDN 609 Professional Ethics (2)

Designed to provide students with a theological and philosophical framework for professional ethics. Topics include individual rights, autonomy, informed consent, and responsibilities of the professional person in the dental field, as well as in society as a whole.

### GRDN 622 Biomedical Science I (4)

Advanced, two-quarter course offered every other year (alternating with GRDN 623) during Autumn and Winter Quarters. Course content includes applied oral bacteriology, immunology, topics in oral medicine, applied pharmacology, and orofacial pain. Students expected to have prior basic knowledge in the various topic areas since course is constructed on an advanced level of understanding.

### GRDN 623 Biomedical Science II (4-5)

Advanced, two-quarter course offered every other year (alternating with GRDN 622) during Autumn and Winter Quarters. Course content includes cell biology, applied oral pathology, biology of hard tissues, physiology, and biochemistry. Students expected to have basic knowledge in the various topic areas since course is constructed on an advanced level of understanding.

### GRDN 632 Basic Microsurgery Technique (2)

An integrated, forty-hour laboratory course tailored to the needs of the individual student. Principles and application of microscope operation and use, microinstrumentation, microdissection, micromanipulation, and microsuturing techniques. Performance of various microvascular and microneural repair procedures.

### ORPA 533 Radiology (2)

Utilization of the physical nature of x-rays to better understand image production, biological effects of x-rays, radiation safety, application of principles of radiographic techniques. Risk estimation and radiographic interpretation.

## 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)



## ENDODONTICS

MAHMOUD TORABINEJAD, Director, Advanced Education Program

### PROGRAM DESCRIPTION

The mission of the advanced education Endodontics Program is to train endodontists who are proficient in treating teeth that require root canal therapy (art), possess an in-depth biological knowledge related to endodontics (science), and have participated in endodontic research and teaching.

The goals of the advanced education program in endodontics are to:

1. Provide in-depth didactic instruction and clinical training to prepare dentists to manage patients with a variety of endodontic needs.
2. Provide comprehensive and formal courses in biomedical sciences, with emphasis on their relationship to endodontics.
3. Engage residents in research and teaching experiences for continued professional growth and development after graduation.

The program begins in July and requires twenty-seven months in residence for the specialty certificate.

Following enrollment into the program, residents may apply for acceptance to the Graduate School for a Master of Science (M.S.) degree in addition to the specialty certificate. The application should be submitted before the end of the first year and must be supported by a letter of recommendation from the program director. Acceptance into the M.S. degree program may extend the length of study approximately one additional year; the additional time must be in residence.

Graduates of the program are educationally qualified for certification by the American Board of Endodontics.

### FACULTY

Leif K. Bakland

Robert Handysides  
Steven G. Morrow  
Shahrokh Shabahang

### APPLICATION DEADLINE

Application for admission should reach the department by August 15 of the year prior to the summer of intended enrollment. The Graduate Record Examination (GRE) is required for admission into the Advanced Periodontics Program.

### TUITION (2004-2005)

Tuition for the 2004-2005 academic year is \$7,900 per quarter, which includes insurance and fees. A separate fee of \$1400 is charged for the microsurgery course taken by residents in endodontics, implant dentistry, oral and maxillo-facial surgery, and periodontics.

**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

**T**he 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

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

### TUITION (2004-2005)

**T**he 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)**



# ORAL AND MAXILLOFACIAL SURGERY

ALAN S. HERFORD, Director, Advanced Education Program

## PROGRAM DESCRIPTION

The advanced education Oral and Maxillofacial Surgery Program is designed to prepare the resident for the practice of the specialty and to provide the foundation for the continued acquisition of knowledge and skills. Clinical surgical health care delivery is emphasized. The resident is introduced to research methodology and teaching in order to develop an increased awareness of their importance in assessing clinical procedures and patient management. The content of the program conforms to the standards of the Commission on Dental Accreditation and is designed to prepare the surgeon for certification by the American Board of Oral and Maxillofacial Surgery.

A four-year and a six-year residency program are available. Residents in the six-year program will also complete medical school as a one-year general-surgery internship. The residency begins July 1.

After admission into the program, students may apply for acceptance to the 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

Philip J. Boyne  
Lorenz deJulien  
Liviu Eftimie  
Wayne K. Tanaka

## APPLICATION DEADLINE

Application for admission should reach the department by October 1 of the year prior to the summer of intended enrollment. The program participates in the National Match Program. PASS applicants to the six-year program must also apply to the medical school.

## TUITION (2004-2005)

Tuition and fees are currently waived.

## DEPARTMENTAL REQUIRED COURSES

### OMFS 604 Selected Topics in Oral and Maxillofacial Surgery (12)

A rotating, two-year schedule of weekly seminars covering selected topics in oral and maxillofacial surgery. Following a lecture on these topics, recent representational clinical cases presented and used as the basis for review and discussion—enhancing the knowledge base and critical thinking. Monthly Grand Rounds, given by respected guest speakers considered to be experts in their respective fields, cover current topics in oral and maxillofacial surgery and in practice management. Repeated registrations required to fulfill the total units.

### OMFS 605 Integrated Orthodontic and Surgical Correction of Dentofacial Deformities (12)

A monthly, multidisciplinary seminar course emphasizing preoperative diagnosis, planning, intraoperative procedures, and postoperative care of orthognathic patients. Description of congenital and developmental deformities, with emphasis on all aspects of surgical-orthodontic patient management leading to critical thinking and decision making. Patients selected include a wide range of dentofacial deformities. Preoperative skeletal, dental, and soft-tissue analyses performed. Emphasis on importance of accurate cephalometric analysis in treatment planning, including accurate prediction tracings. Repeated registrations required to fulfill the total units.

**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 subcellular to the tissue level. Emphasis on myogenesis and osteogenesis. Prenatal and postnatal development of the face and jaws, including the classic concepts of facial growth. Consideration of general growth, with the goal of developing ability to recognize abnormal signs, observe variations, diagnose pathological conditions, know the normal, predict height, and use various standards to assess growth and development.

**ORDN 546 Fundamentals of Occlusion (2)**

The development of the human face and dentition. A concept of dynamic functioning occlusion.

**ORDN 571 Diagnosis and Treatment Planning I (2)**

Diagnosis and treatment of assigned patients.

**ORDN 574 Diagnosis and Treatment Planning II (2)**

Continuation of ORDN 571, with follow-up of clinical cases with progress records.

**ORDN 584 Current Orthodontic Literature I (2)**

Presentation of current papers in various disciplines of orthodontics.

**ORDN 591 Current Orthodontic Literature II (2)**

Presentation of current papers in various disciplines of orthodontics.

**ORDN 597 Orthognathic Surgery Theory and Literature Review (2)**

Presentation of current papers in various disciplines of orthodontics, with primary emphasis on surgical orthodontics. Presentation of cases with various problems requiring surgery.

**ORDN 604 Seminar in Orthodontics (1)**

A critical review of suggested etiological factors of malocclusion. Problems of diagnosis and the rationale of various treatment philosophies. Liberal use of current literature. Discussion by guest lecturers with demonstrated competence in the field.

**ORDN 605 Advanced Seminar in Orthodontics (2)**

Second-year seminar. Design of clinical diagnosis, and practice management.

**ORDN 606 Craniofacial Genetics (2)**

Basic genetics. Introduction to craniofacial clinic.

**ORDN 608 Physiology and Pathology of Speech (1)**

Study of specific areas of oral myofunctional disorders that influence the occlusion.

**ORDN 625 Clinical Practice in Orthodontics (1600 clock hours)**

Diagnosis and treatment of assigned patients, including adults.

**ORDN 634 Orthodontic Clinical Conference (2)**

Preparation and presentation of the diagnosis, case analysis, and treatment plan—with primary emphasis on difficult and unusual cases.

**ORDN 635 Finishing Mechanics I (2)**

Orthodontic treatment modalities, with emphasis on finishing mechanics for the patient.

**ORDN 636 Finishing Mechanics II (1)**

A seminar course created for first-year graduate orthodontic students to expose them to alternate treatment philosophies and modalities. Guest orthodontists present the main portion of the course and demonstrate their treatment concepts in finishing orthodontic cases.

**ORDN 654 Practice Teaching in Orthodontics (4)**

Experience in teaching the undergraduate dentistry student.

**ORDN 655 Temporomandibular Function and Dysfunction (2)**

The temporomandibular joint and dysfunction in health and disease. Diagnosis, treatment planning, and treatment of the temporomandibular joint, with emphasis on the integration of orthodontics and temporomandibular joint treatment.

**ORDN 657 Orthodontic Board Preparation (6)**

Presentation of finished orthodontic cases to faculty and residents. Preparation for the American Board of Orthodontics. Repeated registrations required to fulfill the total units.

**ORDN 697A Research (1)**

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

**ORDN 697B Research (1)**

Research, including data collection

**ORDN 698 Thesis (M.S. track only) (3)**

**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)

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

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





## 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 be involved in clinical and didactic predoctoral teaching activities.

A minimum of thirty-six months in residence is required beginning in July.

### FACULTY

Max Crigger  
Tord Lundgren  
Craig Ririe

### APPLICATION DEADLINE

**A**pplication for admission should reach the department by September 15 of the year prior to the summer of intended enrollment. The Graduate Record Examination (GRE) is required for admission into the Advanced Periodontics Program.

### TUITION (2004-2005)

**T**uition is \$7,500 per quarter and includes insurance and fees. A separate fee of \$1400 is charged for the microsurgery course taken by residents in endodontics, implant dentistry, oral and maxillofacial surgery, and periodontics.

**DEPARTMENTAL REQUIRED COURSES**

**PERI 524 The Periodontium (2)**

Review of the literature concerning the anatomy (macro-, micro-, and ultrastructural) and the physiology of the periodontium.

**PERI 531 Periodontal Pathology (10)**

Review of the literature that forms the basis for current concepts of the etiology and pathogenesis of periodontal diseases. Repeated registrations required to fulfill the total units.

**PERI 546 General Anesthesia Clinic (84 clock hours)**

Clinical rotation, including physical evaluation, airway management, management of medical emergencies in patients scheduled for anesthesia, and introduction to conscious sedation.

**PERI 601 Periodontal Therapy (12)**

Review of the literature that forms the basis for current concepts of the treatment of periodontal diseases. Repeated registrations required to fulfill the total units.

**PERI 604 Current Periodontal and Implant Literature (18)**

Review of the most recent issues of periodontal and implant scientific journals. Repeated registrations required to fulfill the total units.

**PERI 605 Implant Literature Review (4)**

Review of literature providing the basis for implant surgery, as well as concepts for implant restoration.

**PERI 611 Introduction to Periodontics (2)**

Overview of the clinical science of periodontics—including epidemiology, etiology, therapy, clinical methods, and record keeping.

**PERI 614 Implant Treatment Planning (24)**

Limited to residents enrolled in two disciplines (i.e., advanced education in periodontics and implant surgery, and advanced prosthodontics). Residents required to present cases that involve mutual interests. Repeated registrations required to fulfill the total units.

**PERI 625 Clinical Practice Periodontics (1800-2100 clock hours)**

Clinical experience in the diagnosis and treatment of periodontal diseases.

**PERI 626 Clinical Practice in Implant Surgery (700 clock hours)**

Clinical experience in the diagnosis and treatment related to implant surgery.

**PERI 634 Clinical Conference (9)**

Case-management conference to assist the student in diagnosis, treatment planning, and the management of periodontal diseases and implant surgery. Repeated registrations required to fulfill the total units.

**PERI 654 Practice Teaching in Periodontics (4)**

Experience in teaching the undergraduate dentistry student.

**PERI 697A Research (1)**

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

**PERI 697B Research (1)**

Research, including data collection and preparing a written report.

**PERI 698 Thesis (M.S. track only) (arranged)**

**INTERDISCIPLINARY AND NON-DEPARTMENTAL REQUIRED COURSES**

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

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

**GRDN 609 Professional Ethics (2)**

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

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

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

**ANES 622 Conscious Sedation Techniques (1)**

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

## 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 knowledge of basic properties.

**PROS 546 Occlusion and Morphology (2)**

Lecture, seminar, and laboratory course that includes waxing techniques and axial and occlusal morphology of natural teeth. Concepts of occlusal function and dysfunction related to prosthodontic therapy.

**PROS 547 Occlusion: Principles and Instrumentation (2)**

Continuation of PROS 546, with emphasis on occlusal equilibration, jaw movements, determinants of occlusion, and articulators commonly used.

**PROS 555 Removable Partial Prosthodontics (2)**

Lecture, seminar, and laboratory course covering principles, concepts, and techniques used to design and fabricate removable partial dentures.

**PROS 556 TMJ Function and Dysfunction (1)**

Designed to provide residents with information about the function and dysfunction of the temporomandibular joint and associated structures. Designed to prepare residents to obtain history, perform clinical examination, recognize disorders, and prescribe treatment.

**PROS 557 Advanced Removable Partial Prosthodontics (2)**

Advanced clinical and laboratory procedures, with emphasis on intracoronal attachments, rotational path, and alternate removable partial denture design.

**PROS 565 Complete Denture Prosthodontics (2)**

Clinical and laboratory procedures for the fabrication of complete dentures, including setting and balancing denture teeth.

**PROS 566 Advanced Complete Denture Prosthodontics (2)**

Lecture and clinical course, with seminar covering the treatment of immediate denture and overdenture, and treatment of difficult and unusual complete denture situations.

**PROS 575 Fixed Partial Prosthodontics (2)**

Tooth preparation for and fabrication of extracoronal restorations and fixed prostheses, including partial-coverage gold crowns, complete-coverage gold crowns, pinledge retainers, metal-ceramic crowns, metal-ceramic pontics, and sanitary pontics.

**PROS 576 Advanced Fixed Partial Prosthodontics I (MC Esthetics) (2)**

Clinical and laboratory procedures, with emphasis on advanced metal-ceramic restorations.

**PROS 595 Maxillofacial Prosthetics (2)**

Design and fabrication of obturators for partial maxillectomy patients, both edentulous and dentulous. Introduction to the fabrication of extraoral prostheses.

**PROS 604 Literature Review in Implant Dentistry for Prosthodontists (16)**

Designed to give the postdoctoral student a deeper understanding of the research and literature currently available on the restoration of implants. Emphasis on biomechanics of implant restorations. Repeated registrations required to fulfill the total units.

**PROS 634 Diagnosis and Treatment Planning (20)**

Didactic and clinical aspects of diagnosis and treatment planning for patients with complex dental problems. Repeated registrations required to fulfill the total units.

**PROS 637 Geriatric Dentistry (1)**

Lectures selected to enhance the knowledge base in the expanding area of elder care. Problems of chronic diseases combined with multiple drug regimens that complicate care for this population.

**PROS 697A Research (1)**

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

**PROS 697B Research (1)**

Research, including data collection.

**PROS 698 Thesis (M.S. track only) (arranged)**

**INTERDISCIPLINARY REQUIRED COURSES**

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

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

**GRDN 555 Temporomandibular Joint Function and Dysfunction (1)**

**GRDN 609 Professional Ethics (2)**

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

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

**IMPD 611 Introduction to Implant Dentistry (2)**

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







# 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

The 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

As 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 heritage and diversity, scientific inquiry and analysis, communication, and wellness, the curriculum emphasizes the University's spiritual heritage as well as moral and ethical decision-making that is grounded in Christian principles.

Thus, a general education is considered to be the cornerstone upon which students begin cultivating their abilities to:

1. Understand the fundamental Christian principles and Adventist heritage that undergird Loma Linda University.
2. Make informed moral and ethical decisions.
3. Incorporate critical thinking skills into personal and professional experience.
4. Value individuals with diverse capabilities and ideological, ethnic, gender, and generational perspectives.
5. Communicate effectively.
6. Undertake scientific inquiry and analysis.
7. Appreciate the contributions of the arts and humanities to society.
8. Examine the historical basis of the health sciences professions.
9. Develop self-awareness through balance of mental, physical, social, and spiritual aspects of daily living.
10. Model servant-leadership in health care as exemplified by Jesus of Nazareth.

The Loma Linda University philosophy of general education creates a unique learning environment committed to the concept of human wholeness. Faculty are selected who embrace the spirit as well as the specifics of general education and who purpose to extend its goals into all aspects of university life—from the residence hall programs to the core of professional studies—thus adding an invisible curriculum to the required course offerings. It is this spirit in tandem with the specifics of a liberal arts education that inspires students to achieve academic excellence, value diversity, pursue lifelong learning, and live to bless others.

## LOMA LINDA UNIVERSITY CRITERIA FOR GENERAL EDUCATION COURSES

1. The course assists the health-sciences student in cultivating abilities in one or more of the ten aspects described in the Loma Linda University Philosophy of general education for baccalaureate degrees.
2. The primary focus of the course contributes to the relevant the knowledge and understanding of a subject area within one of the following domains described in the Loma Linda University general education requirements for baccalaureate degrees.
3. The course is based on appropriate prerequisites, particularly when offered at the upper-division level.
4. The course must be open to all baccalaureate degree students of Loma Linda University for general education credit.
5. Courses transferred to Loma Linda University for general education credit from another accredited institution must fall within one of the domains described in the Loma Linda University's general education requirements for the baccalaureate degree.



## LOMA LINDA UNIVERSITY GENERAL EDUCATION REQUIREMENTS (68 QUARTER CREDITS)

In 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, literature, modern language, performing/visual arts (not to exceed 2 quarter credits), or philosophy.

### DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS (24-32 quarter credits)

Scientific inquiry and analysis encompass both the natural and social sciences. The study of natural sciences must include a minimum of 12 credits. The credits in natural sciences must be selected from two of the following content areas: biology, chemistry, geology, mathematics, physics, and statistics. The study of social sciences must include a minimum of 12 credits. One course (or components integrated into several courses) dealing specifically with issues of human diversity is required). The remainder of credits in the social sciences must be selected from the following content areas: anthropology, economics, geography, political sciences, psychology, and sociology.

### DOMAIN 3: COMMUNICATION (9-13 quarter credits)

Course work in communication must include a complete sequence in English composition that meets the baccalaureate degree requirements of a four-year college or university. (For samples of English composition requirements, see end of this section.) Other areas of study in communication may include courses in computer information systems, critical thinking, and public speaking.

### DOMAIN 4: HEALTH AND WELLNESS (2-6 quarter credits)

To encourage the pursuit of lifelong leisure activities and wellness, the study of health and wellness must include at least two different physical activities totaling a minimum of 1 quarter credit, and one course in personal health or nutrition. Additional credits may include other areas of health, nutrition, and physical fitness.

### DOMAIN 5: ELECTIVES

Electives from the previous four domains may be selected to complete the general education minimum requirements of 68 quarter credits.

## LOMA LINDA UNIVERSITY GENERAL EDUCATION COURSES OFFERED BY THE SCHOOL

General education courses offered by the School are listed below in Domains 1-5.

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

#### CULTURAL HERITAGE

#### 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.

#### 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.

#### SPIRITUAL HERITAGE

A complete listing of LLU Faculty of Religion 400-level religion courses—the general education courses available to fulfill the requirements for Spiritual Heritage—is provided online at <[www.llu.edu/ssweb/](http://www.llu.edu/ssweb/)>. Go to Course Schedules; click on General Education Brochure and Course Descriptions. Scroll down to Domain I chart, and down to the Spiritual Heritage courses on pp. 3-5.

### DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS (24-32 quarter credits)

#### DNHY 390 Introductory Statistics (2)

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.

**DNHY 394 Introduction to Research (2)**

Introduction to research methodology. Evaluation of literature, with emphasis on statistics adequate for interpretation of the literature. Preparation for table-clinic presentations. Support factors in providing temporary, adequate psychological care for all involved in medical crisis.

**DNHY 414 Personal Finance (2)**

Personal finance topics, including credit, taxes, insurance, real estate, budgeting, housing, and inflation.

**DOMAIN 3: COMMUNICATION**  
(9-13 quarter credits)

**DNHY 499 Research Writing (2)**

Elective course for students wishing to write their research study for submission to professional journals for possible publication.

**DOMAIN 4: HEALTH AND WELLNESS**  
(2-6 quarter credits)

**DNHY 317 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.

**DNHY 407 Community Health Principles (3)**

Familiarizes student with community health problems, practices, various programs, and methods of operation. Acquaints student with facts, issues, and other pertinent information relevant to major health concerns of the community. Makes student aware of regionally available community programs that address health problems. Exposes student to firsthand experiences in community health.

**DOMAIN 5: ELECTIVES**

Electives from Domains 1-4 may be selected to complete the general education minimum requirements of 68 quarter credits.

**LOMA LINDA UNIVERSITY GENERAL  
EDUCATION COURSES—ONLINE AND  
BOOKLET**

A complete listing of courses offered each academic term at this University to meet general education domain requirements is included on the Loma Linda University Web site at <[www.llu.edu/ssweb/](http://www.llu.edu/ssweb/)> under the course schedules.

By linking from course schedules to **General Education Brochure and Course Descriptions** the student has access also to the entire list of general education courses and course descriptions. It is available at the above Web site as a printable booklet—*Loma Linda University General Education Philosophy, Requirements, and Courses*.

**ENGLISH COMPOSITION REQUIREMENTS  
IN SEVENTH-DAY ADVENTIST COLLEGES**

The following sequences of English composition courses taught in Seventh-day Adventist schools are representative of sequences that would meet LLU general education requirements.

## Andrews University

ENGL 111-112: English Composition and  
ENGL 306: Writing Seminar  
(9 qtr. units)

## Atlantic Union College

ENGL 101-102: College Writing I and II  
(6 sem. units)

## Columbia Union College

ENGL 101-102: Composition (6 sem. units)

## La Sierra University

ENGL 111-113: Freshman English (9 qtr. units)

## Oakwood College

ENGL 111-113: Freshman Composition  
(6 sem. units)

## Pacific Union College

ENGL 101-102: College English (8 qtr. units)

## Southern Adventist University

ENGL 101-102: College Composition  
(6 sem. units)

## Southwestern Adventist University

ENGL 121: Freshman Composition and  
ENGL 220: Technical Writing and Research  
(6 sem. units)

## Union College

ENGL 111-112: College Writing I and II  
(6 sem. units)

## Walla Walla College

ENGL 121-122: College Writing and  
ENGL 223: Research Writing  
(9 qtr. units)

**ENGLISH COMPOSITION REQUIREMENTS  
IN NONSEVENTH-DAY ADVENTIST COLLEGES**

The following sequences of English composition courses taught in nonSeventh-day Adventist schools are representative of sequences that would meet LLU general education requirements.

## Cal State San Bernardino

ENG 101: Freshman Composition and  
One of the following upper-division expository writing courses:  
EDUC 306, ENG 306, HUM 306, MGMT 306, MGMT 306, NSCI 306, and SSCI 306 (8 qtr. units)

## Crafton Hills College

ENGL 101: Freshman Composition and  
ENGL 102: Intermediate Composition and  
Critical Thinking  
(8 qtr. units)

**Fullerton College**

ENGL 101: College Writing (CAN ENGL 2)  
and  
ENGL 102: Introduction to Literature (CAN  
ENGL 4)

**Riverside Community College**

ENG 1A: English Composition (CAN ENGL 2)  
or  
ENG 50A: Basic English Composition; and  
ENG 1B: Critical Thinking and Writing (CAN  
ENGL 4) (8 qtr. units)

**San Bernardino Valley College**

ENGL 101: Freshman Composition and  
ENGL 102: Intermediate Composition and  
Critical Thinking  
(8 qtr. units)

**UC Riverside**

ENGL 1A: Beginning Composition  
ENGL 1B: Intermediate Composition, and  
ENGL 1C: Applied Intermediate Composition  
(12 qtr. units) requirements for the baccalaureate degree.







# IX

## THE DIRECTORY

Officers of the University Board of Trustees

University Board of Trustees

University Administration

School Administrative Personnel

School Committees

Faculty Index

The Faculty

Summary of Graduates

School Alumni Association

Accreditation Status

Accrediting Agencies

The University Libraries

Maps and Legends

Index

To Communicate with LLU Personnel

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

**UNIVERSITY BOARD AND ADMINISTRATION**

**OFFICERS OF THE UNIVERSITY BOARD OF TRUSTEES**

Lowell C. Cooper, M.Div., M.P.H.	Chair
B. Lyn Behrens, M.B., B.S.	Vice Chair
Don C. Schneider, M.A.	Vice Chair

**UNIVERSITY BOARD OF TRUSTEES**

Carol Easley Allen	Ruthita Fike	Calvin B. Rock*
Donald R. Ammon	Gwen W. Foster	Don C. Schneider
Lorne Babiuk	Richard H. Hart	Max A. Trevino
Matthew A. Bediako	Harold Lee	Douglas Welebir
B. Lyn Behrens	Robert E. Lemon	Neal C. Wilson*
Dennis N. Carlson	Carlton Lofgren	Patrick Y. Wong
Lowell C. Cooper	Thomas J. Mostert, Jr.	Tom Zapara
Garland Dulan	Jan Paulsen	
T. Grace Emori*	Ted L. Ramirez	
Celeste Ferguson	Leroy A. Reese	

**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**  
**Administrative Council**  
**Admissions**  
**Awards**  
**Clinic Activities**  
 SUBCOMMITTEES  
**Infection Control**  
**Dental Records Review**  
**Materials, Instruments, and Student Issues**  
**Curriculum**  
 SUBCOMMITTEES  
**Basic Science Curriculum**  
**Dental Hygiene Curriculum**  
**Behavioral Science Curriculum**  
**Clinical Science Curriculum**  
**International Dentist Program Curriculum**  
**Dental Research**  
**Diversity**  
**Executive**  
 SUBCOMMITTEE  
**Parking**  
**Faculty Council**  
**Faculty Development**  
**Faculty Promotion**  
**Graduate**  
**International Dentist Program**

**Advisory**

SUBCOMMITTEE  
**Selection**  
**Nominating**  
**Outcomes Assessment**  
**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	Campagni, Wayne, DMD	RESD, PROS
Abedi, Hamid R., BDS, MA	ENDN	Caplanis, Nicholas, DMD	RESD, IMPD
Abensur, David, DDS	RESD, IMPD	Carmicino, Kathleen, MBA	DNHY
Adamich, Thomas, DDS	PERI	Carpenter, Mark, DDS, MPH	DNES
Al-Ardah, Aladdin, BDS	RESD, IMPD	Cartwright, Susan, DDS	RESD
Allen, William, PhD	DNES	Caruso, Joseph, DDS, MS	ORDN
Altman, Alan, DDS	DNES	Casiano, Carlos	MICR
Alvarez, Ricardo, DDS	RESD, IMPD	Castro, Sylvia, BS	DNHY
Anderson, David, DDS	ANES	Cha, Young, DMD	RESD, PROS
Andreiko, Craig, DDS, MS	ORDN	Champlin, Thad, DDS	ORDN
Angelov, Nikola, DDS	PERI	Chan, Alex, DDS, BDS	RESD, IDP
Anholm, J. Milford, DDS	ORDN	Chan, Gary, DDS	ANES
Appleton, Stanton, DDS, MPH	ODRP	Chang, Bernard, DDS	ORDN
Apuy, Robert, DDS	DNES	Chang, Eddie, DDS	PEDN
Armstrong, Daniel, DDS	RESD	Cheek, D. Darlene, MPH	DNHY
Armstrong, Darlene, BS	DNHY	Cho, James, DDS, MS	RESD
Arnett, G. William, DDS	ORDN	Christensen, Heidi, DDS	ODRP
Arnett, R. Leslie, Jr., DDS, MS	PERI, IDP	Claffey, Noel, BDS	PERI
Arputharaj, Rachel, DDS	RESD	Clark, Dennis, DDS, MS	ODRP
		Clem, Donald C. III, DDS	PERI
		Clifton, Brett, DDS	RESD
		Coffman, William, DDS, MDiv	DNES
		Colburn, Ryan, DDS	RESD
		Coleman, Melvin, DDS	ENDN
		Craig-Miller, Lorelee, BS	DNHY
		Crawford, James, DDS, MPH	DNES
		Creech, Jr., Joseph, DDS	PEDN
		Crigger, Max, DDS, MA	PERI
		Crudo, Ronald, DMD	ORDP
		Cummings, G. Reed, DDS	ENDN
		Cutler, Theresa, DDS	RESD
		Cutting, Charles, DDS	RESD
		Daher, Tony, DDS	RESD
		Dailey, Ronald J., PhD, MA	DNES
		DeBold, Alyssa, BS	DNHY
		deCarvalho, Juliana, BDS	PERI
		de Julien, Lorenz, DDS, MSD	OMFS
		Delaroca, Glenn, DDS	RESD
		Demirdji, Samuel, DDS, PhD	ORDN
		Desai, Sandip, BDS, MS	RESD
		Diaz, Lynn, DDS	ENDN
		Dinger, Coralie, BS	DNHY
		Dohr, Mak Nai, BS	DNHY
		Domb, William, DDS	IDP
		Duerksen-Hughes, Penelope	ANAT
		Duff, Janeen, BS	DNHY
		Dumitrescu, Adrian, DDS	RESD
		Dunn, James, DDS	RESD
		Dupper, Brent, DDS	RESD
Bailey, Donald, DDS	RESD		
Bakland, Leif K., DDS	ENDN		
Barry, Jennifer, DDS	PEDN		
Batesole, Mark, DDS, MS	ORDN		
Baugh, Wilson, DDS	OMFS		
Baum, Lloyd, DMD, MS	RESD, IDP		
Beltz, Richard E., PhD	BCHM		
Bench, Ruel, DDS	ORDN		
Bergenedahl, Kellie, BS	DNHY		
Berry, Frederick, DDS	RESD		
Biederman, Paul, DDS	DNES		
Bishop, J. Patrick, DDS, MS	PERI		
Black, Brian, DDS	RESD		
Blaseio, Gunther, DMD, MS	ORDN		
Blount, G. Andrew, DDS	RESD		
Boggs, Sharon, BS	DNHY		
Bogle, Gary, DDS, MS	PERI		
Boland, Sharika, BS	DNHY		
Bond, Peter, DDS	PEDN		
Bonyanpoor, Shahnaz, DMD	PEDN		
Boskovic, Milos, DDS	RESD, IMPD		
Boyko, Michael, DDS, MPH	OMFS		
Boyne, Philip J., DMD, MS	OMFS		
Briggs, Roger, DDS	RESD		
Brodeur, David, DDS	RESD		
Brown, Garth, DDS	RESD		
Bruinsma, Tina, BS	DNHY		
Bui, Daniel, DDS	RESD		

Dupper, Gilbert, DDS	RESD	Gilbert, Roger, DDS	RESD
Duroseau, Daniel, DDS	DNES	Golden, Gary, DDS	RESD
Dus, Ivan, MD	ORDN	Goodacre, Charles, DDS, MSD	RESD, IMPD
		Gorden, Mark, DDS	RESD
Edwards, Lincoln	PHRM	Gottfried, Myron, DDS	RESD
Eftimie, F. Liviu, DDS	OMFS	Grabowsky, Richard, DDS	PEDN
Elison, J. Matthew, DDS	RESD	Greenwood, John, DDS, MBA	RESD, IDP
Eller, Cheryl, BS	DNHY	Gridley, Daila	MICR
Ellis, Jane Ellen, DDS	DNES	Grummons, Duane C., DDS, MSD	ORDN, RESD, PROS
Ellstrom, Mervin L., DDS	PEDN	Guillen, Theresa, BS	DNHY
Elsherif, Ismail, BDS, PhD	ENDN	Gulley, James, MD, PhD	ODRP
Emanuelli, Silvio, DDS, MS	RESD, IMPD	Gunnarsson, Delight, BS, BA	DNHY
Emmerson, William, DDS	ORDN		
Escobar-Poni, Bertha C., MD	ANAT	Haglund, Laurel, BS	DNHY
Estey, Mark, DDS	RESD, PROS	Haiavy, Jacob, DDS, MD	OMFS
		Hall, B. Daniel, DDS, MSD	IDP, RESD
Fairhurst, Janelle, BS	DNHY	Hall, Raymond G.,	PHSL
Fan, Victor, DMD, PhD	ENDN	Hallstrom, P. G., DDS	PERI
Fang, Denny Y., DDS	ENDN	Hamerslough, Rhonda, BS	DNHY
Farnos-Visedo, Alvaro, DDS	RESD, IMPD	Han, John, DDS	RESD
Farrage, James, DDS, MS	ORDN	Handysides, Robert, DDS	ENDN
Fillman, Michael J., DDS	ORDN	Hansen, Kent, JD	DNES
Fischer, Dan, DDS,	RESD	Harris, Sheila, DDS	PEDN
Fitzpatrick, Michael, DDS	RESD	Hashemi, Zahra, DMD, MSD	RESD
Fletcher, Hansel, MS	PERI, MICR	Hassan, Mohamed, BDS	PERI
Flores, Daniel, DDS	ORDN	Hatami, Karin, DDS	RESD
Flores, Frank, DDS, MS	DNES	Heinrich, Bruce, DDS, MS	ORDN
Flores, Luis, DDS, MS	RESD, IMPD	Heisler, William, DDS	RESD, IDP
Flores, Mario, DDS	PERI	Henderson, David	ANAT
Forde, Ronald, DDS	DNES	Herford, Alan, DDS	OMFS
Foulston, Richard, DDS	RESD	Herrera, William, PhD	RESD, IDP
Francis, Michael, DDS	RESD	Herrmann, E. Clifford, PhD	BCHM
Frank, Robert J., DDS	ENDN	Hersh, H., DMD	PERI
Franks, Kevin, DDS	RESD	Heyde, Marilyn, MPH	DNHY
French, Robert, DDS	ORDN	Hickman, Donald, DDS	RESD
Friesen, Debra, BS	DNHY	Hilgers, James J., DDS, MS	ORDN
Fuentes, Paul, DDS	PERI	Ho, Howard, DDS, BDS	RESD
Funada, Dean, DDS	PEDN	Hoag, E. Patrick, DDS, MS	RESD
Fung, Glen, DDS	DNES	Hoffer, Jennifer, DDS, MS	PEDN
Furber, Julie, DDS	RESD	Hoffman, Robert, DDS	ORDN
		Hoffmann, Keith, DDS, PhD	OMFS
Gage, Arthur D., DDS	ENDN	Hoffmann, Oliver, DDS	PERI
Gantes, Bernard, DDS	PERI	Holman, Charles M., DDS	ENDN
Garabedian, Robert, DDS	RESD	Holt, Robert, Jr., DDS, MS	PERI
Garber, David, DDS	RESD	Homer, Robert, DDS	ORDN
Garber, Stuart, DDS	ENDN	Honny, Jean, BS	DNHY
Garcia, Gabriela, DDS	ORDN	Hooker, William M., PhD	DNES
Garrett, J. Seven, DDS, MS	PERI	Hszieh, Kevin, DDS	PEDN
Gatov, Nelson, DDS, MPH	ORDN	Hurlbutt, Michelle, BS	DNHY
Gibson, James, DDS	ORDN		

Ilapogu, Sunil, DDS	PEDN	Lee, Sangmoo, DDS	PERI
Ingersoll, Lee R., DDS, MS	ENDN	Lee, Sean, DDS	RESD
Iwata, Luke, DDS	RESD	Lee, Shirley, BS	DNHY
		Lee, William, DDS	RESD
Jackson, Courtney, DDS	RESD	Leggitt, V. Leroy, DDS, MS	ORDN
Jacobson, Harold J., DDS	ENDN	Lennan, Patricia, BS	DNHY
Jahromi, Marjon, DDS	ANES	Lenoir, Leticia, BS	PERI
Jaramillo, David, DDS, MS	ENDN	Lentz, Hilbert, DDS, MS	ODRP
Javor, George T., PhD	BCHM	Leonora, John	PHSL
Jawor, Ronald, DDS	ORDN	Lessard, George M., PhD, MA	BCHM
Jen, Trisha, DDS	ANES	Leyman, John W., DDS	ANES
Jo, David, DDS	ORDN	Leyman, Paula, DDS	PEDN
Job, Allen, DDS, MPH	PEDN	Li, Yiming, DDS, MSD	RESD
Johnson, Ebenezer, DDS	RESD, IDP	Liao, Kuo-Yang, DDS	RESD, IMPD
Johnson, Mark S.	MICR	Lidner, Carla, DDS, MS	DNES
Johnson, Michelle, BS	DNHY	Lier, Anthony, DDS	ORDN
Johnstone, Dale, DDS	PERI	Litvinoff, Gregory, DDS	OMFS
		Liu, John R., DDS	PEDN
Kan, Joseph Y. K., DDS	RESD, IMPD	Liu, Yong, DDS, MS	PERI
Kao, Cecilia, DDS	PEDN	Lopez, Eduardo, DDS	PEDN
Karadottir, Hildur, RDH	DNHY	Loveless, William, EdD, MA	DNES
Kasischke, Fred, DMin	DNES	Lowe, Oariona, DDS	PEDN
Kattadiyil, Mathew, BDS	RESD, IMPD	Lozada, Jaime, DDS	RESD, IMPD
Kavanagh, James, PhD, MS	MICR	Lum, Lawrence, DDS	RESD, IMPD
Kettering, James D.	DNES	Lundgren, Tord, DDS	PERI
Kevorkian, Gary, DDS	ORDN		
Khatami, Amir, DDS	RESD	Maeda, George, PhD	PHSL
Kheirkhahi, Elham, DDS, MSD	PERI	Marcks, Kurt O., DDS	ENDN
Kiger, Robert, DDS, MA	PERI	Marocco-Casey, Anne, DDS	RESD
Kim, J. S. (Jay), PhD, MS	DNES	Marshall, Edward, DDS	OMFS
Kim, Pilesong, DDS	PERI	Martin, Lin, DDS	RESD
Kim, Yang, DDS, MBA	RESD	Mashni, Michael, DDS	ANES
Kinzer, Robert, DDS	RESD	Mateja, Sharon, DDS	RESD
Kircos, Louis, DDS, PhD	RESD, IMPD	McDonald, Pearl, BS	DNHY
Kleinman, S. Alejandro, DDS	RESD, IMPD	McLaughlin, Richard, DDS	ORDN
Kloeffler, Gale D., DDS	RESD, PROS	McMillan, Paul J., PhD	ANAT
Koh, Alexander, DDS	PERI	Mego, Miguel, DDS	ENDN
Kohltfarber, Heidi, DDS	ODRP	Meharry, Michael, DDS	RESD
Krall, Barry, DDS	ANES	Milledge, J. Todd, DDS	PEDN
Kunihira, Daniel, DDS	PERI	Misch, Carl, DDS	RESD, IMPD
Kunihira, Richard, DDS	RESD	Mishra, Ranu, BDS	RESD
		Mitchell, Robert, DDS	ORDN
Lane, Carter, DDS	ORDN	Mobilia, Adrian, DDS	PERI
Lau, Benjamin H.S., PhD	MICR	Moore, Kathleen, MS	DNES
Le, Colin, DDS	OMFS	Moran, Alice, DMD	DNHY
Lee, Charles, DDS	ODRP	Moretta, Carlos, DDS	RESD, DNHY
Lee, Daniel, DDS	PERI	Morikawa, Wesley M., DDS	PEDN
Lee, Frank, DDS, BDS	RESD, IDP	Morrow, Steven G., DDS, MS	ENDN
Lee, Michael, DDS	PERI	Moussa, Raed, DDS, MS	ORDN

Munce, John C., DDS	ENDN	Proctor, Daryl, DDS	ORDN
Munguia, Fernando, DDS	RESD, PROS	Prousaefs, Periklis, DDS, MS	RESD, IMPD
Munoz, Carlos, DDS, MSD	RESD, IMPD	Pulsipher, D. Allen, DDS, MD	OMFS
Munoz, Numa, DDS	PEDN	Punjabi, Anil, DDS, MD	OMFS
Mutinga, Mueni, DDS	DNES	Punjabi, Bindoo, DDS	RESD, 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	RESD	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	RESD	Rich, Darla, BS	DNHY
Nazaroff, Leslie, DrPH, MPH	DNHY	Richards, Susan, DDS	ODRP
Nelson, Bonnie, DDS	PEDN	Richardson, Paul L., DDS, MA	RESD
Nelson, Peter, DDS	RESD	Rick, Gordon, DDS, MS	ODRP
Nelson, Richard, DMD	DNES	Ringer, Jack, DDS	RESD
Neufeld, Roland D., DDS, MS	ORDN	Ririe, Craig, DDS, MSD	PERI
Nichols, Rick J., DDS	PEDN	Roberts, Douglass, DDS	RESD
Nick, Doyle, DDS	RESD	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	RESD, 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	RESD
Ojano, Mac-Rey, DDS, DMD	RESD, 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	RESD, PROS, IMPD
Ortiz-Campos, Cesar, DDS	RESD, IMPD	Rusk, G. Glenn, DDS	DNES
Oshita, Patrick, DDS	RESD	Russo, Marisa, BS	DNHY
Pai, Jacob, DDS, MPH	DNES	Rynearson, R. David, DDS	ORDN
Paik, Stephen, DDS	ENDN	Santimalapong, Amy, DDS, DMD	RESD, IDP
Park, Elizabeth, DDS	RESD	Sayed, Jon, DDS, MS	PEDN
Park, S. James, DMD	ANES	Sceville, Jodi, DDS	RESD
Park, Song Joon, DDS	RESD	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	RESD	Schnepper, Gretchen, DDS	ORDN
Pereira, Valeria, DDS	PEDN	Schnepper, Harold, DMD, MSD	RESD
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	RESD	Seibly, William, DDS	RESD, IDP
Prieto, Claudia, DDS	ENDN	Selvig, Knut, DDS, PhD	PERI

Shabahang, Shahrokh, DDS, MS	ENDN	Tsai, Hsiu-Chin, DDS	RESD, IMPD
Shehata, Marianne, DDS	RESD	Turner, Rodney, DDS	DNES
Shellard, Edward, DDS	RESD		
Sheu, Maria, DDS	PEDN	Umezumi, Kiyotaka, DDS	RESD, IMPD
Shryock, Edwin, DDS, MS	RESD	Urban, Istvan, DMD, MD	RESD, IMPD
Simon, James, DDS	ENDN		
Simms, Richard, DDS	ORDN	Valadez, Barbara, AS	PERI
Simpson, Karen, MPH	DNHY	Valentini, Pascal, DDS	RESD, IMPD
Slater, Shelley, BS	PERI		
Slattery, Charles W., PhD	BCHM	Wacker, Chris E., DDS	PEDN
Sljivar, Mikan, DDS	ANES	Wait, Charels, DDS	DNES
Sowers, Lawrence C.	MICR	Walter, Robert B., DDS	RESD
Smith, Brian, DDS	RESD	Walter, Robert D., DDS	RESD
Snider, Douglas, DDS	ENDN	Ward, Wayne, DDS	DNES
Spint, Kenneth, DMD	OMFS	Webster, Deborah, BS	DNHY
Steinbrunn, Corey, BS	DNHY	Westrick, Charles, PhD	DNES
Steiner, Ann, DMD, MS	DNES	Whittaker, John, BdS	RESD, IMPD, IDP
Stephens, Jonell, EdS, MS	DNHY	Wical, Kenneth, DDS	RESD
Strand, Peter, DDS	ORDN	Wilcox, John, DDS	DNES
Stringer, Dale, DDS	OMFS	Wilkins, Kristi, MA	DNHY
Strutz, Judith, DDS	RESD	Willardsen, John, DDS	RESD, IMPD
Sugiyama, Raymond, DDS	ORDN	Wilson, Gary, DDS	RESD, IDP
Sun, Jenny, DDS	RESD	Winer, Myron, DDS	RESD
Suprono, Mavern, DDS	DNES	Wise, James, DDS	ORDN
Swisher, Larry, DDS	OMFS	Withers, Shelly, BS	DNHY
Sy-Munoz, Jenny, DDS, MSD	RESD	Wolfe, David J., DDS	ENDN
		Wood, Charles, DDS	RESD
Tan, Daniel, DDS	RESD	Wuchenich, Gary, DDS, MS	DNES
Tanaka, Wayne K., DDS	OMFS		
Tang, Hong-Ming, DDS	ENDN	Yamada, Jason, DDS	PERI
Tappen, Patricia, BS	DNHY	Yeo, Eliot, DDS	RESD
Taylor, Guy, DDS	ORDN	Yeoman, Leland, DDS	RESD
Teel, Robert W.	PHSL	Ying, Thomas, DDS	OMFS
Tellefsen, Georg, DDS	PERI	Yoon, Stuart S., DDS	PEDN
Tellefsen, Monica, BS	DNHY	Young, Peter, DDS	RESD
Theodorou, Anthony, DDS	RESD	Young, Richard, DDS	RESD
Thomas, Sony, DDS	ENDN	Yow, Warren, DMD, MS	DNES
Thomas, Teresa, BS	DNHY		
Thomsen, Lane, DDS, MS	ODRP	Zalsman, Harvey (Skip), DDS, MD	OMFS
Thornton, Sheila, BS	DNHY	Zane, Ronald, DDS	DNES
Tjan, Anthony H., DDS, MSD	RESD	Zaninovic, Periza, DDS	DNES
Toledo, Gerardo, DDS	DNES	Zarrinkelk, Hooman, DDS	OMFS
Toledo, Marcelo, DDS	RESD	Zerne-Young, Julie-Ann, DDS	PEDN
Torabinejad, Mahmoud, PhD	ENDN	Zhang, Lubo	PHRM
Torres, Andres, DDS	RESD	Zhang, Wu, MD	DNES, RESD
Torres, Fidel, DDS	RESD, PROS	Zuccarelli, Anthony	MICR
Trapp, Larry D., DDS, BS	ANES		



## SUMMARY OF GRADUATES

## DENTAL ASSISTANTS

Class of 1969 . . . . . 2	Class of 1975 . . . . . 10	Class of 1981 . . . . . 10	Class of 1987 . . . . . 11
Class of 1970 . . . . . 3	Class of 1976 . . . . . 16	Class of 1982 . . . . . 10	Class of 1988 . . . . . 10
Class of 1971 . . . . . 8	Class of 1977 . . . . . 19	Class of 1983 . . . . . 11	
Class of 1972 . . . . . 9	Class of 1978 . . . . . 18	Class of 1984 . . . . . 5	<b>Total . . . . . 184</b>
Class of 1973 . . . . . 10	Class of 1979 . . . . . 9	Class of 1985 . . . . . 3	
Class of 1974 . . . . . 11	Class of 1980 . . . . . 9	Class of 1986 . . . . . 0	

## DENTAL HYGIENISTS

Class of 1961 . . . . . 10	Class of 1973 . . . . . 48	Class of 1985 . . . . . 34	Class of 1997 . . . . . 38
Class of 1962 . . . . . 13	Class of 1974 . . . . . 35	Class of 1986 . . . . . 36	Class of 1998 . . . . . 43
Class of 1963 . . . . . 18	Class of 1975 . . . . . 36	Class of 1987 . . . . . 35	Class of 1999 . . . . . 40
Class of 1964 . . . . . 17	Class of 1976 . . . . . 33	Class of 1988 . . . . . 33	Class of 2000 . . . . . 37
Class of 1965 . . . . . 21	Class of 1977 . . . . . 33	Class of 1989 . . . . . 33	Class of 2001 . . . . . 40
Class of 1966 . . . . . 24	Class of 1978 . . . . . 36	Class of 1990 . . . . . 38	Class of 2002 . . . . . 32
Class of 1967 . . . . . 25	Class of 1979 . . . . . 35	Class of 1991 . . . . . 40	Class of 2003 . . . . . 42
Class of 1968 . . . . . 31	Class of 1980 . . . . . 35	Class of 1992 . . . . . 40	Class of 2004 . . . . . 38
Class of 1969 . . . . . 31	Class of 1981 . . . . . 35	Class of 1993 . . . . . 40	
Class of 1970 . . . . . 30	Class of 1982 . . . . . 34	Class of 1994 . . . . . 41	<b>Total . . . . . 1,476</b>
Class of 1971 . . . . . 33	Class of 1983 . . . . . 34	Class of 1995 . . . . . 39	
Class of 1972 . . . . . 34	Class of 1984 . . . . . 34	Class of 1996 . . . . . 42	

## DENTISTS

Class of 1957 . . . . . 39	Class of 1970 . . . . . 59	Class of 1982 . . . . . 98	Class of 1995 . . . . . 73
Class of 1958 . . . . . 42	Class of 1971 . . . . . 64	Class of 1983 . . . . . 98	Class of 1996 . . . . . 72
Class of 1959 . . . . . 48	Class of 1972 . . . . . 56	Class of 1984 . . . . . 83	Class of 1997 . . . . . 62
Class of 1960 . . . . . 43	Class of 1973 . . . . . 64	Class of 1985 . . . . . 96	Class of 1998 . . . . . 74
Class of 1961 . . . . . 52	Class of 1974 . . . . . 69	Class of 1986 . . . . . 96	Class of 1999 . . . . . 66
Class of 1962 . . . . . 55	Class of 1975-A . . . . . 68	Class of 1987 . . . . . 87	Class of 2000 . . . . . 86
Class of 1963 . . . . . 53	Class of 1975-B . . . . . 35	Class of 1988 . . . . . 92	Class of 2001 . . . . . 88
Class of 1964 . . . . . 52	Class of 1976 . . . . . 66	Class of 1989 . . . . . 89	Class of 2002 . . . . . 89
Class of 1965 . . . . . 43	Class of 1977 . . . . . 72	Class of 1990 . . . . . 69	Class of 2003 . . . . . 89
Class of 1966 . . . . . 41	Class of 1978 . . . . . 73	Class of 1991 . . . . . 75	Class of 2004 . . . . . 89
Class of 1967 . . . . . 57	Class of 1979 . . . . . 81	Class of 1992 . . . . . 72	
Class of 1968 . . . . . 55	Class of 1980 . . . . . 76	Class of 1993 . . . . . 77	<b>Total . . . . . 3,385</b>
Class of 1969 . . . . . 59	Class of 1981 . . . . . 80	Class of 1994 . . . . . 63	

## INTERNATIONAL DENTIST PROGRAM

Class of 1986 . . . . . 9	Class of 1996 . . . . . 14
Class of 1987 . . . . . 12	Class of 1997 . . . . . 14
Class of 1988 . . . . . 12	Class of 1998 . . . . . 14
Class of 1989 . . . . . 12	Class of 1999 . . . . . 14
Class of 1990 . . . . . 13	Class of 2000 . . . . . 16
Class of 1991 . . . . . 16	Class of 2001 . . . . . 16
Class of 1992 . . . . . 12	Class of 2002 . . . . . 15
Class of 1993 . . . . . 14	Class of 2003 . . . . . 16
Class of 1994 . . . . . 14	Class of 2004 . . . . . 16
Class of 1995 . . . . . 12	<b>Total . . . . . 261</b>

## PROFESSIONAL CERTIFICATES

Class of 1995 . . . . . 4	Class of 2001 . . . . . 18
Class of 1996 . . . . . 15	Class of 2002 . . . . . 21
Class of 1997 . . . . . 12	Class of 2003 . . . . . 20
Class of 1998 . . . . . 19	Class of 2004 . . . . . 20
Class of 1999 . . . . . 24	
Class of 2000 . . . . . 20	<b>Total . . . . . 173</b>

## 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 added at Los Angeles in 1924. Collegiate program in nursing 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 extended 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 Abuse Counselors (CAADAC)  
3400 Bradshaw Road, Suite A5  
Sacramento, CA 95827  
Phone: 916 / 368-9412  
FAX: 916 / 368-9424  
Web site: www.caadac.org  
E-mail: caadac@jps.net

**Marital and Family Therapy**

Commission on Accreditation for Marriage and Family Therapy Education of the American Association for Marriage and Family Therapy  
1133 15th Street NW, Suite 300  
Washington, DC 20005-2710  
Phone: 202 / 467-5111 or 452-0109  
FAX: 202 / 223-2329  
Web site: www.aamft.org  
E-mail: coamfte@aamft.org

**Psychology**

American Psychological Association  
750 First Street NE  
Washington, DC 20002-4242  
Phone: 202 / 336-5500  
FAX: 202 / 336-5978  
Web site: www.apa.org  
E-mail: education@apa.org

**Social Work**

Council on Social Work Education  
Division of Standards and Accreditation  
1600 Duke Street, Suite 500  
Alexandria, VA 22314-3457  
Phone: 703 / 683-8080  
FAX: 703 / 683-8099  
Web site: www.cswe.org  
E-mail: info@cswe.org

**Speech-Language Pathology**

Speech-Language Pathology  
Educational Standards Board  
American Speech-Language-Hearing Association  
10801 Rockville Pike  
Rockville, MD 20852  
Phone: 301 / 897-5700  
FAX: 301 / 571-0457  
Web site: www.asha.org  
E-mail: accreditation@asha.org

**SCHOOL OF ALLIED HEALTH PROFESSIONS**

**Cardiopulmonary Sciences**

**Respiratory Care**

Committee on Accreditation for Respiratory Care  
1248 Harwood Road  
Bedford, TX 76021-4244  
Phone: 800 / 874-5615 or 817 / 283-2835, ext. 101  
FAX: 817 / 354-8519 or 817 / 252-0773  
Web site: www.coarc.com  
E-mail: richwalker@coarc.com (director)  
or nchec@nchec.org

**Physician Assistant**

Accreditation Review Commission on Education for the Physician Assistant (ARC-PA)  
Medical Education Department 1R6  
1000 North Oak Avenue  
Marshfield, WI 54449-5778  
Phone: 715 / 389-3785  
FAX: 715 / 387-5163  
Web site: www.arc-pa.org  
E-mail: mccartyj@mfldclin.edu

**Clinical Laboratory Science**

**Phlebotomy—certificate**

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)  
8410 West Bryn Mawr Avenue, Suite 670  
Chicago, IL 60631-3415  
Phone: 773 / 714-8880  
FAX: 773 / 714-8886  
Web site: www.naacls.org  
E-mail: naaclsinfo@naacls.org  
California Department of Health, Laboratory Field Services  
2151 Berkeley Way, Annex 12  
Berkeley, CA 94707-1011  
Phone: 510 / 873-6449

**Clinical Laboratory Science (formerly Medical Technology)**

National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)  
8410 West Bryn Mawr Avenue, Suite 670  
Chicago, IL 60631-3415  
Phone: 773 / 714-8880  
FAX: 773 / 714-8886  
Web site: www.naacls.org  
E-mail: naaclsinfo@naacls.org  
California Department of Health, Laboratory Field Services  
2151 Berkeley Way, Annex 12  
Berkeley, CA 94707-1011  
Phone: 510/873-6449

**Cytotechnology**

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  
E-mail: caahep@caahep.org

**Health Information Management**

**Health Information Administration**

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  
E-mail: caahep@caahep.org



**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)

**Health Promotion and Education****Certified Health Education Specialist (CHES)**

National Commission for Health Education  
Credentialing, Inc.

944 Marcon Boulevard, Suite 310  
Allentown, PA 18109  
Phone: toll free 888 / 624-3248 or 673-5445  
FAX: 800 / 813-0727  
Web site: [www.nchec.org](http://www.nchec.org)  
E-mail: [nchec@nchec.org](mailto:nchec@nchec.org)

**Environmental and Occupational Health****Registered Environmental Health Specialist**

State of California

Environmental Health Specialist

Registration Program

601 North 7th Street, MS 396

P.O. Box 942732

Sacramento, CA 94234-7320

Phone: 916 / 324-8819

FAX: 916 / 323-9869

Web site: [www.dhs.ca.gov](http://www.dhs.ca.gov)

or [www.dhs.cahwnet.gov](http://www.dhs.cahwnet.gov)

E-mail: [rhook1@dhs.ca.gov](mailto:rhook1@dhs.ca.gov)

**Nutrition**

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)

**THE UNIVERSITY LIBRARIES****Major library resources**

Three major library resources on campus support the University's academic programs. These are:

- the Del E. Webb Memorial Library,
- the Jesse Medical Library and Information Center (JMLIC), and
- the Veterans Administration Library Services.

In addition to these facilities, specialized libraries are located in various medical and school departments and other entities on campus.

**Central library**

The historical roots of the Del E. Webb Memorial Library—the central library of Loma Linda University—go back to 1907, when a small library collection was started in a room of the old Loma Linda Sanitarium. In 1953 the growing collection was moved to its own building on the Loma Linda campus. In 1981 a new library was built, funded by a Del E. Webb Foundation grant, giving the library a total floor space of 87,670 square feet. This structure now houses the main library; while the old structure is now shared between the Department of Archives and Special Collections and the bound retrospective journals. As of June 2003, the library had a total collection of 353,019 books and bound journals; 165,856 print and electronic

books; 8,211 current print and electronic journal titles; and 6,060 media items. For more information consult <<http://www.llu.edu/llu/library/about/libstats.htm>>.

**Library mission**

The mission of the Library is to stimulate and support the information needs of the University's instructional, research, and service programs. To this end, the Library provides a full range of information-support services—including, but not limited to, reference, circulation, reserve, and access to the Internet. The Library also provides hundreds of online databases, including full text; end-user training programs; library orientations; interlibrary loans; photocopy and pull services; a microcomputer laboratory; a learning-service resource center; class-integrated, library-instruction programs; and services that support distance education and University outreach programs.

**Access to resources**

The Del E. Webb Memorial Library's Online Public Access Catalog (OPAC) provides integrated access to all campus library collections. In addition to the collections of the Del E. Webb Memorial Library and of the JMLIC, there are Nursing Skills Lab, Bioethics, East Campus, Nutrition, Occupational Therapy, and Geoscience Research Center collections. The OPAC also provides access to the combined collections of some thirty-nine libraries through LinkPlus, a book-request service and union catalog of more than 8 million records.

The Library's Web site serves as a gateway to all electronic resources in our system, as well as those resources available on the Internet. The Library's databases provide access to more than 5,000 full-text and citation databases.

The Library participates in national and regional networks such as the National Network of the Libraries of Medicine, founded by the National Library of Medicine. This structure is divided into eight regional sections, one of which is the Pacific Southwest Region. The Del E. Webb Memorial Library belongs to this region and is the designated medical-resource library for San Bernardino and Riverside counties. Local library cooperatives include the Inland Empire Academic Library Cooperative (IEALC) and San Bernardino, Inyo, Riverside Counties United Library Services (SIRCULS). Membership in these cooperatives gives Loma Linda University students, faculty, and staff access to the collections of these libraries, archives, and special collections.

**Archives and special collections**

The Department of Archives and Special Collections is the central repository of information on the history of Loma Linda University, the health sciences, and major collections on Adventism. It includes print materials; rare books; theses; dissertations; microforms; sound recordings; several thousand photographs; and 14,000 linear feet of archival materials, including papers of various denominational and University officials, as well as the congressional papers of the Honorable Jerry and Shirley Pettis. Searchable digitized indexes for various document files are also available via the Library's Web site.



**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.

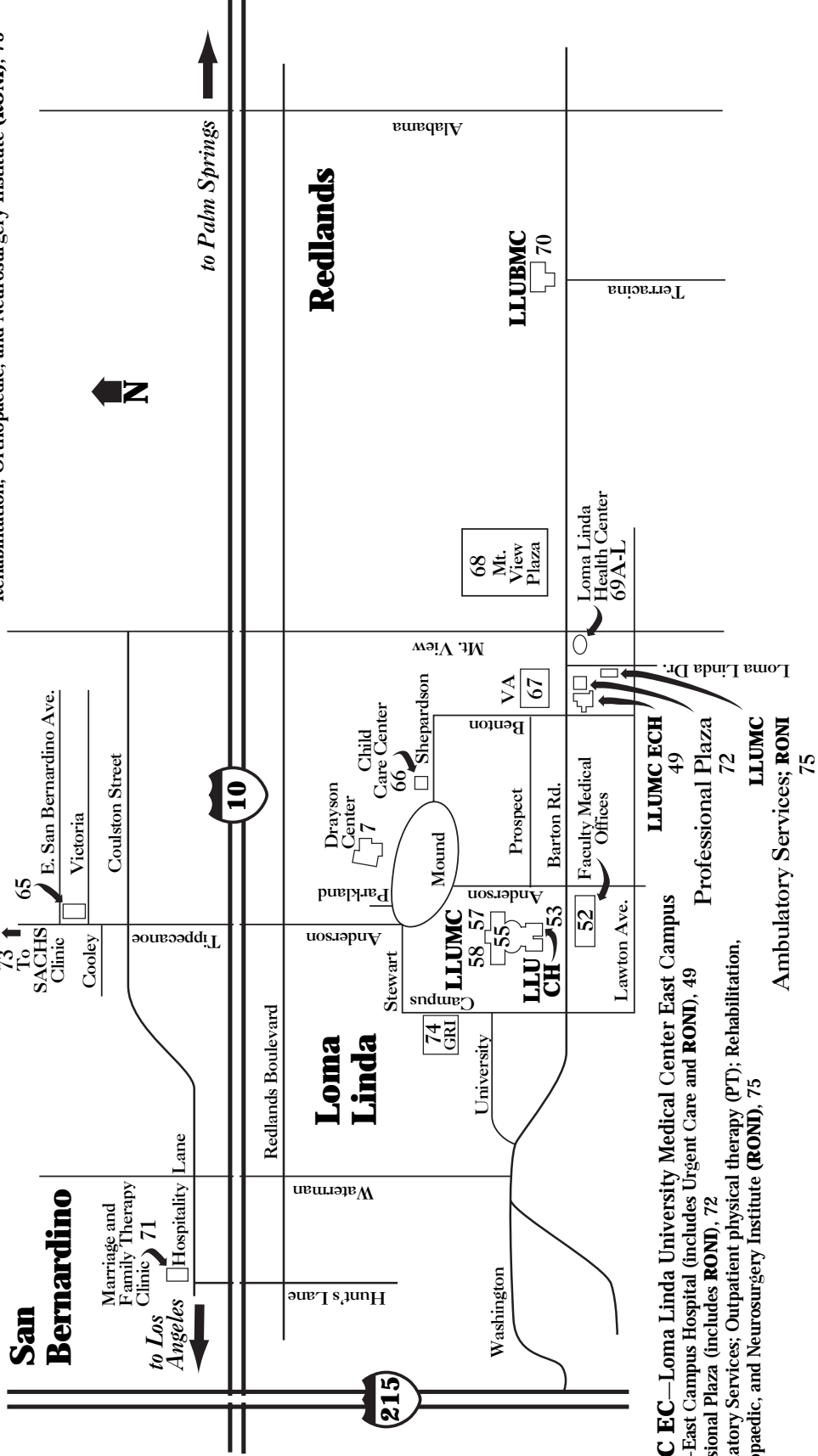




**Area Map  
and numerical legend**

- 1-64 (see Campus Map)
- 65 - Material Supply and Distribution Support Services Center
- 66 - Loma Linda Children's Center
- 67 - Jerry L. Pettis Memorial Veterans Medical Center (VA Hospital)

- 68 - Mountain View Plaza
- 69 - Loma Linda Health Center
- 70 - LLU Behavioral Medicine Center (BMC)
- 71 - Marriage and Family Therapy Clinic
- 72 - Professional Plaza
- 73 - SACHS Norton Clinic
- 74 - Geoscience Research Institute
- 75 - LLUMC East Campus—Ambulatory Services; Outpatient Rehabilitation; Rehabilitation, Orthopaedic, and Neurosurgery Institute (RONI), 75



- #LLUMC EC—Loma Linda University Medical Center East Campus
- ECH—East Campus Hospital (includes Urgent Care and RONI), 49
- Professional Plaza (includes RONI), 72
- Ambulatory Services; Outpatient physical therapy (PT); Rehabilitation, Orthopaedic, and Neurosurgery Institute (RONI), 75

Ambulatory Services; RONI  
75

LLUMC ECH  
49

Professional Plaza  
72

LLUMC

75

**Key to abbreviations and symbols**  
(See also key to Schools, on Campus Map)

- X = Nearest cross street
- > = See Area Map
- LLU/AHSC = Loma Linda University  
Adventist Health Sciences Center
- LLU = Loma Linda University
- LLUBMC = Behavioral Medicine Center
- LLUGH = Children's Hospital
- LLUMC = Medical Center
- LLUMC EC = East Campus (see Area Map#)

*Campus Map (numerical)*

1. Gentry Gymnasium
2. Educational Support Services (University, MC)
3. Housekeeping (University); Radiation/Hazardous Materials Safety
4. Campus Engineering (maintenance shops); Lock and Key; Campus Receiving (University)
5. Purchasing (University); Campus Engineering
6. University Printing Services and Design Department; Construction; Architectural Services
7. Drayson Center; volleyball/basketball gym, intramurals, tennis, badminton, racquetball, cardio and weight rooms, aerobics studios, tracks, pools, arts and crafts; chaplain's office; Superfield; Student Union; Student Association
8. Speech and Hearing Clinic (AH)
9. Nichol Hall; School of Public Health (PH); School of Allied Health Professions (AH)
  - 9A = Annex—AH and PH; Nutrition and Dietetics
  - 9C = Cottages; #60 ("Blue")—Marketing and Retention (AH)
  - #70 ("Brown")—OT field work office (AH)
  - #80 ("Green")—SIMS (PH)
10. Daniels Residence (men; graduate women)
11. Lindsay Hall (women's residence)
12. Campus Hill SDA Church
13. Linda Hall (Campus Hill SDA Church)
14. Evans Hall—*Upper level*: Adventist Health Studies (AHS); Center for Health Research (CHR); *Lower*: Cutler Amphitheater (CA); Student Health Service (SHS); Center for Health Promotion (CHP)
15. Shryock Hall: Anatomy; Embryology; Museum
16. Alumni Hall for Basic Sciences; Microbiology; Pathology; Courville Museum (pathology)
17. Risley Hall: Physiology; Pharmacology; Kellogg Amphitheater
18. Burden Hall: Academic Publications, room B14; University Relations; Physical therapy lab (AH)
19. Research: orthopaedic, bioengineering, natural sciences
20. Randall Visitors Center: Amphitheater

21. University Library; Del E. Webb Memorial: Main library; Ellen G. White Estate Loma Linda Branch Office; Heritage Room
22. Magan Hall: Administration, LOMA LINDA UNIVERSITY; Faculty Records; Gift Records; Vice chancellors for academic affairs, advancement, public affairs; Special assistant to the chancellor—diversity
23. Griggs Hall: Faculty of Religion; Graduate School Departments of Biology, Geology, Marital and Family Therapy, and Social Work
24. Mortensen Hall: Biochemistry; Center for Molecular Biology and Gene Therapy
25. Campus Security; Rideshare
26. University Church; Fellowship Hall; Campus Chapel
27. Good Samaritan sculpture
28. Prince Hall: School of Dentistry
29. Cogeneration Plant (power plant)
30. Advanced Periodontics Education; Dentistry faculty endodontics\*
31. Educational Support Services (SD)
32. Central Building; Psychology; counseling services
33. Center for Dental Research
34. Carlson Wagonlit University Travel
35. University Arts: Human Resource Management (personnel, payroll, benefits, employee training and orientation); Purchasing (MC); Advanced Life Support Education; Dentistry\*
36. Faculty Dental Offices\*
37. Occupational therapy lab (AH)
- 38A. Grants Management (post-award, University); LLU Foundation Rental Office
- 38B. Research affairs, vice chancellor for
- 38C. Office of Sponsored Research (pre-award)
39. Bank of America
40. U. S. Post Office
41. **Upper level**: Business Center; Accounting; Foundation; **Lower**: Student Services Center—Student Affairs (student life, international student services, off-campus housing, dean of students); Financial Aid; Student Finance /Accounting; Loan Collections; University Records
42. La Loma Credit Union
43. Campus Cafeteria
44. Risk Management
45. Safety Education Center
46. Campus Store (bookstore, camera shop, Apple computer); Loma Linda Market (Campus Pharmacy, bakery, natural foods); Patio Pantry
47. Alumni Center: Staff Development; Planned Givings; General Conference liaison
48. A.C.T.S. (emergency relief)
49. LLUMC EAST CAMPUS HOSPITAL (includes Urgent Care and RONI—see 75)
50. Ronald McDonald House

51. University Kidney Center (dialysis)
52. Faculty Medical Offices (FMO\* and SM)
53. LLU CHILDREN'S HOSPITAL: Helpport, H South; Cafeteria
54. Proton Treatment Center
55. LLU MEDICAL CENTER: School of Medicine; Helpport, H North; Lost and Found, B404; Cafeteria; Amphitheaters: Lobby-1506, A512; Transplantation Institute; Employee health and immunizations, A800A
56. Schuman Pavilion: International Heart Institute
57. Chan Shum Pavilion: Cancer Research Institute; LLUAHSC
58. Coleman Pavilion: School of Medicine; Center for Christian Bioethics; Center for Spiritual Life and Wholeness; Vice-chancellor—spiritual life and wholeness
59. Wong Kertee International Conference Center 60-61. Emergency Department, LLUMC
62. Mail Service (University, MC)
63. Nelson House; School of Science and Technology
64. West Hall: Schools of Nursing and Pharmacy; Graduate School administration

*Area Map (numerical)*

65. Material Supply and Distribution Support Services Center (Receiving, Mercantile, etc.) (MC), 1269 E. San Bernardino Ave., SB (X Tippecanoe)
66. Loma Linda Children's Center, 25228 Shepardson Dr.
67. Veterans Medical Center, Jerry L. Pettis Memorial (VA Hospital), Benton St. (X Barton Rd.)
68. Mountain View Plaza (X Barton Rd.): Diabetes Treatment Center (MC); Osteoporosis Research Center; Hospice (MC); L.L. Medical Supply (MC); Home Care Services (respiratory, family) (MC); Judkins Library (MC)
69. Loma Linda Health Center ("Cape Cod" buildings), Mountain View Ave. (X Barton Rd.):
  - A -11306 **Providence**: LL Community Medical\*
  - B -11314 **Cambridge**: LLU medical staff administration (BMC, CH, CMC, MC); Compliance Department
  - C -11320 **Gloucester: Women's Fitness Center**
  - D -11326 **Worcester**: Special Projects (MC); Physician Referral and Circle of Care
  - E -11332 **Wesley**: Medical\*
  - F -11354 **Walton**: Medical\*
  - G -11360 **Hartford**: LLU Cancer Institute; Cancer Data Center; Administration; Research
  - H -11346 **Concord**: Marketing (MC); Medical\*
  - I -11368 **Springfield**: LLU Cancer Institute; Region 5 Cancer Surveillance Program
  - J -11374 **Dover**: Psychiatry/Behavioral Medicine (SM)
  - K -11382 **Danbury**: Loma Linda Health Pharmacy; Dental\*

- L -11340 **Bridgeport**: LLU Cancer Institute; Cancer information
  - 32, 69-72: **Counseling and chemical dependency treatment centers (students, employees):**
    - 32. Counseling services
    - 69. G -11360 **Hartford**, Suite A: Employee Assistance Program
    - J -11374 **Dover**: Student psychological counseling services (MC); Medical faculty\*
  70. LLU BEHAVIORAL MEDICINE CENTER, 1710 Barton Road (X Terracina Blvd.); Partial hospitalization (days only); Inpatient
  71. Marriage and Family Therapy Clinic, 164 W. Hospitality Lane., Suite 15, (X Hunt's Lane SB)
  72. Professional Plaza, 25455 Barton Frontage Rd. (X Loma Linda Drive; X Benton St.): Neurosurgery Clinic (MC), Suite 108A; Loma Linda Pharmacy; MC /SM teaching, administrative; LLU/LLUMC occupational health: work-related health/injury—suite 106A; dental\*/medical\*
  73. SACHS Norton clinic (E. 3rd St. X Tippecanoe Conference) (Ortner Building)
  74. Geoscience Research Institute (of SDA General Conference) (Ortner Building)
  75. LLUMC East Campus Ambulatory Services: Out-patient physical therapy; Rehabilitation, Orthopaedic, and Neurosurgery Institute—**RONI**; Orthopaedic Research Center/Triology laboratory
- Campus and area maps (alphabetical) with map numbers*
- Academic Publications, 18 (room B14)
  - Accounting (University), 41; Student finance, 41
  - A.C.T.S. (emergency relief), 48
  - Administration, campus business, 41
  - Administration, LOMA LINDA UNIVERSITY, 22
  - Admissions, see Schools: 9, 23, 28, 58, 64
  - Advancement, Office of, 22
  - Aid, student, 41
  - Allied Health Professions, School of, 9
  - Alumni Associations: Allied Health Professions, 9; Dentistry, 47; Medicine, 47; Nursing, 64; Public Health, 9
  - Alumni Center, 47
  - Alumni Hall for Basic Sciences, 16
  - Amphitheaters: Barnes, 55, A512; Cutler, 14; Macpherson, 55 (lobby-1506); Kellogg, 17; Randall Visitors Center, 20 Anatomy, 15
  - Basic Sciences, Alumni Hall for (microbiology, pathology), 16
  - Behavioral Medicine Center, LLU, 70b
  - Biochemistry, 24
  - Bioethics, Center for Christian, 58

\*private-practice office(s)

Biology, 23  
 Bookstore, 46  
 Burden Hall, 18  
 Business administration, campus, 41  
 Cafeterias: Campus, 43; Patio Pantry, 46; MC, 55  
 Campus Chapel (University Church), 26  
 Campus Engineering (maintenance), 4  
 Campus Hill Church, 12  
 Campus Pharmacy, 46  
 Campus Receiving (University), 4  
 Campus Store, 46  
 Cancer Research Institute, 57; 69 G / I / L >  
 Center for Health Promotion, 14  
 Centers for: Molecular Biology and Gene Therapy, 22 (room 142); Musculoskeletal Disease, 67;  
 Neurosurgery Research/Training/Education, 58 (Suite 11113); Perinatal Biology, 55 (A572)  
 Central Building, 32  
 Chan Shun Pavilion, 57  
 Chancellor, LLU, 22  
 Children's Hospital, LLU, 53  
 Cogeneration Plant, 29  
 Coleman Pavilion, 58  
 Computer sales, 46  
 Controller, campus, 41  
 Cottages, PH / AH, 9C  
 Counseling services, 69 G > 70 > 71 > 72 >  
 Credit Union, La Loma, 42  
 Curtler Amphitheater, 14  
 Daniels Residence Complex, 10  
 Dean of students, 41  
 Dental and orthodontics private practice offices, 28, 30, 35, 36, 69K > 72 >  
 Dental Research, Center for, 33  
 Dentistry, School of, 28  
 Design Department (University Printing), 6  
 Dialysis center, outpatient, 51  
 Diversity, Office of, 22  
 Drayson Center, 7  
 Educational Support Services (SD), 31  
 Ellen G. White Estate Loma Linda Branch Office, 21  
 Emergency Department, LLUMC, 60-61  
 Emergency relief, A.C.T.S., 48  
 Employee Assistance Program/counseling, 69 G >  
 Employee health and immunizations, 55  
 Endodontics, dentistry faculty,\* 30  
 Evans Hall, 14  
 Faculty Dental Offices,\* 36  
 Faculty Medical Offices (FMO\* and SM), 52  
 Faculty of Religion, 23  
 Faculty Records, 22  
 Family and child therapy/counseling, 69 G > 69J > 70 > 71 > 72 >

Fellowship Hall (University Church), 26  
 Finance, Student, 41  
 Finance and Administration, upper 41 (room 1151)  
 Financial Affairs and Compliance, Office of, 41  
 Financial aid, student, 41  
 Fitness/sports/recreation/health center and gym, 7  
 Foundation offices, LLU, 41  
 Gene Therapy, Center for Molecular Biology and, 24  
 General Conference representative, 47  
 Gentry Gymnasium, 1  
 Geology (GS), 23  
 Geoscience Research Institute, 74  
 Gift Records, 22  
 (Global outreach), Office of International Affairs, 22  
 Graduate School, 23, 32, 64  
 Grants: Research Affairs, 38B; Office of Sponsored Research, 38C; Grants Management, 38A  
 Griggs Hall, 23  
 HazMat safety, 3  
 Health Promotion, Center for, 14  
 Health, School of Public, 9  
 Health Service: Student, 14; Employee, 55 (room A800A)  
 Heart Institute, International, 56  
 Helipons, 53 H South-LLUCH; 55 H North-LLUMC  
 Heritage Room (University Library), 21  
 Housekeeping: University, 3; MC, 55  
 Human Resource Management (personnel, payroll, benefits, employee training and orientation), 35 >  
 Insurance, 44  
 International Student Services, 41  
 Kidney Center, University (outpatient dialysis), 51  
 La Loma Credit Union, 42  
 Library, University, 21  
 Linda Hall (Campus Hill Church), 13  
 Lindsay Hall (women's residence), 11  
 Lock and Key, 4  
 Loma Linda Health Center ("Cape Cod" buildings), 69 A-L >  
**LOMA LINDA UNIVERSITY ADVENTIST HEALTH SCIENCES CENTER (LUAHSC), President, 57**  
 LOMA LINDA UNIVERSITY (LLU), Chancellor, 22  
 LLU BEHAVIORAL MEDICINE CENTER, 70 >  
 LLU CHILDREN'S HOSPITAL, 53  
 LLU MEDICAL CENTER (LLUMC), 55  
 LLUMC services — ambulatory, outpatient PT, **RONI, 75**  
 LLUMC EAST CAMPUS HOSPITAL, (ECH), 49  
 Loma Linda Market, 46  
 Lost and Found (University, MC), 55, B-404  
 Magan Hall, 22  
 Mail Service (University, MC), 62  
 Maintenance shops, campus, 4, 5  
 Market, Loma Linda, 46  
 Marital and Family Therapy (GS), 23

Marriage and Family Therapy Clinic, LLU, 71 >  
 Media Services, 2  
 Medical Affairs (LLUAHSC), 58  
 Medical Center, LLU, 55  
 Medical private-practice offices, 52, 54-56, 68 > 69 > 72 >  
 Medicine, School of, 58, 55  
 Men's residence (Daniells Residence Complex), 10  
 Microbiology, 16  
 Molecular Biology: Center for...and Gene Therapy, 24  
 Mortensen Hall, 24  
 Mountain View Plaza, 68 >  
 Museums: Pathology, 16; Embryology, 15  
 Natural foods, 46  
 News publications office (*Scope TODAY*), 18  
 Nichol Hall, 9  
 Nursing, School of, 64  
 Nutrition and Dietetics, 9D  
 Occupational health (workers' compensation, Suite 106A, Professional Plaza), 72  
 Occupational therapy lab (AH), 37  
 Office of Sponsored Research (grants, pre-award), 38C  
 Pathology, 16  
 Patio Pantry, 46  
 Payroll, 35  
 Periodontics education, advanced, 30  
 Personnel, 35  
 Pharmacology, 17  
 Pharmacies: Campus, 46; CMC, 49; FMO, 52; MC, 55; LLHC, 69 K > Professional Plaza, 72  
 Physical plant administration (campus), 4  
 Physiology, 17  
 Planned Giving, 47  
 Power plant (Cogeneration Plant), 29  
 Prince Hall, 28  
 Printing Services, University, 6  
 Professional Plaza (includes **RONI**), 72 >  
 Proton Treatment Center, 54  
 Psychology (GS), 32  
 Public Affairs, Office of, 22  
 Publications: Academic, 18  
 Publications: News / Public relations (University, MC), 18  
 Public Health, School of, 9  
 Purchasing: MC, 35; University, 5  
 Radiation Safety, 3  
 Randall Visitors Center, 20  
 Receiving: University, 4; MC, 65 >  
 Records, University student, 41  
 Recreation: Drayson Center, Superfield, 7  
 Religion, Faculty of, 23  
 Rental Office, LLU Foundation, 38A  
 Research affairs, vice chancellor for, 38B; also: 38A, 38C  
 Research funding: 38B

Residences: Lindsay Hall (women), 11; Daniels (men; graduate women), 10  
 Rideshare, 25  
 Risk Management (*upper level*), 44  
 Risley Hall, 17  
 Ronald McDonald House, 50  
 SACHS-Norron Clinic, 73  
 Safety Education Center, 45  
 School, Graduate, 23, 32, 64  
 Schools: Allied Health Professions, 9; Dentistry, 28; Medicine, 58, 55; Nursing, 64; Pharmacy, 64; Public Health, 9; Science and Technology, 63  
 Schuman Pavilion, 56  
 Security (University, MC), 25  
 Service Support Center, 65  
 Shryock Hall, 15  
 Social Work (GS), 23  
 Speech and Hearing Clinic, 8  
 Spiritual Life and Wholeness, 22  
 Staff development, 47  
 Store, campus, 46  
 Student Affairs, Office of, 41  
 Student apartments, 10, 41  
 Student Finance, 41  
 Student Financial Aid, 41; Students for International Mission Service (SIMS), 9C #80  
 Student Health Service, 14  
 Student Services Center, 41  
*Trading Post*, 18  
 Training and orientation, employee, 35  
 Transplantation Institute, 55  
 Travel (Carlson Wagonlit University Travel), 34  
 University Arts building, 35  
 University Church, 26  
 University Printing Services (University, MC), 6  
 University Records (*lower level*), 41  
 University Relations, 18  
 Urgent Care, 49  
 VA Medical Center, Jerry L. Pettis Memorial, 67 >  
 Visitors Center, Randall, 20  
 Welfare center (emergency relief), 48  
 West Hall, 64  
 Women's residences: (Lindsay Hall), 11; (Daniells Complex, graduate women), 10  
 Wong Kerlee International Conference Center, 59  
 Workers' compensation, 44, 72

-----  
**To update information on maps or legends, please contact Academic Publications, ext. 4-4525.**



## INDEX

- Academic criteria for promotion, 46  
 Academic disciplinary policy, 47  
 Academic discontinuation, 47  
 Academic dishonesty, 49  
 Academic incentive program, 62, 71  
 Academic leave of absence, guidelines, 47  
 Academic practices, 43  
 Academic probation, 47  
 Academic requirements for graduation, 46  
 Academic residence, 44  
 Academic review, 46  
 Accreditation status, University, 144  
 Accreditation status, School, 25, 145  
 Accrediting agencies, 145, 147  
 Administration, School, 27, 137  
 Administration, University, 136  
 Admission standards/prerequisites:  
   Advanced Dental Education Programs, 105  
   Dental Hygiene Program, 61, 63  
   General Dentistry Program, 29, 70  
   International Dentist Program, post-doctoral, 96  
 Admissions information, 29, 37  
 Advance payment, 34  
 Advanced Dental Education Programs, Section VI, 103  
 Affirmative action, 14  
 Alumni association, School, 144  
 Alumni-Student Convention: Student research presentations, 42  
 Anatomy Department, 57  
 Appeal process, 48  
 Application procedure, 30, 96  
 Attendance, regular required, 43  
 Auditing class(es), student classified as, 43  
 Awards, 62, 71, 72, 97
- Bachelor of Science degree program, 61  
 Basic sciences departments, the, 56  
 Behavioral and social attributes, required, 32  
 Biochemistry and Microbiology Department, 58  
 Board of Trustees, 136
- Calendar, 16  
 Cars, 41  
 Charges, 35  
 Checks, 34  
 Code of ethics, School of Dentistry, 42  
 Codes, 55
- Cognitive abilities/skills, required, 31  
 Combined-degrees programs, 28  
 Commencement, 46  
 Communicate with LLU . . . , 158  
   E-mail, 160  
   FAX, 158, 159  
   Mail, 158  
   Phone, 158, 159  
   Web sites, 3, 158, 160  
 Communication, required skills, 32  
 Confidentiality, 41  
 Conventions, 42  
 Core values, 26  
 Counseling and health services, 39  
 Course changes: regulations governing adding, dropping, or changing, courses, 43  
 Course numbers, 55  
 Crisis-intervention hotlines, 39  
 Criteria for placement on academic probation, 47  
 Curricula  
   School, 27  
   Dental Hygiene Program, 61, 64  
   General Dentistry Program, 69  
   Advanced [postdoctoral] Dental Education Programs, 104  
   International Dentist Program (post-doctoral), 98
- Dean's list, 45  
 Degrees, 28  
 Dental Admission Test, 30  
 Dental Anesthesiology Department, 81, 106  
 Dental Educational Services Department, 82  
 Dental Hygiene Program, 35, 60, 64  
 Dentistry Program, General, 69, 73, 76  
 Dentistry, School of, Section I, 21  
 Deposits, student-acceptance, 31, 34  
 Directory, the campus, 158  
 Directory, The, Section IX, 135  
 Disability insurance program, 40  
 Disabled applicants and students, 32  
 Dismissal, 42  
 Distribution of courses, 64, 76, 98  
 Division of General Studies, Section VIII, 129  
 Drayson Center for recreation, wellness, physical fitness, 38
- Ellen G. White Estate Loma Linda Branch Office, 149  
 Employment, policies for students, 42, 61, 70  
 Endodontics Department, 84, 108



- English-competency requirements, 33  
 English-composition requirements, 132  
 Entrance requirements, 37  
 Expenses, 34, 35
- Faculty index, codes, 137  
 Faculty, The, 138  
 Faculty of Religion, Section VII, 125  
 Family/student counseling, 39  
 Fees, 34, 35  
 Finances and employment, 33  
 Financial assistance, 35, 36  
 Financial clearance, 34  
 Financial information, 34  
 Foreign transcripts and credentials, 33  
 Finances and employment, 33  
 Foundations, School, 23  
 Foundations, University, 10
- General Dentistry Program, 69, 73, 76  
 General dentistry departments, 80  
 General education, 130  
 General information, 27, 104  
 General practices, financial, 34  
 Governing practices, 41  
 Grade change, when permitted, 45  
 Grade reports, 45  
 Grants, special, 36  
 Grievance procedure, student, 37, 42, 48
- Health Plan, Student (medical coverage), 35, 39  
 Health requirements, pre-entrance, 31  
 History, School, 23  
 History, University, 10  
 Housing, 34
- Immunization requirements, pre-entrance, 31  
 Implant dentistry, 110  
 Index, 154  
 International Dentist Program, Section V, 95  
 International students, 33
- Key deposit, 34
- Learning environment, 27  
 Leave of absence, 47  
 Length of academic residence required for B.S. and D.D.S. degrees, 44
- Letter from the dean, 22  
 Libraries, University, 148  
 Licensing: dental hygiene, 62; dentistry, 71  
 LLU Health Care Student/Family Counseling, 39  
 Loma Linda University, Section I, 9
- Malpractice coverage, 40  
 Maps and legends, 150  
 Marriage, 41  
 Mission, School, 25  
 Mission, University, 11  
 Monthly statement, 34  
 Motor skills, required, 32
- National boards, 70  
 Nondegree student, 43  
 Nondiscrimination policy, 13
- Observational skills, required, 32  
 Off-campus crisis intervention, 39  
 Officers of the University Board of Trustees, 136  
 Oral and Maxillofacial Surgery Department, 87; Advanced, 113  
 Oral Diagnosis, Radiology, and Pathology Department, 85  
 Orthodontics and Dentofacial Orthopedics Department, 88; Advanced, 115
- Pediatric Dentistry Department, 89; Advanced, 118  
 Periodontics Department, 90  
 Periodontics and Implant Surgery Program, Advanced, 120  
 Personal appearance, 41  
 Personal leave of absence, 48  
 Personal property, 41  
 Philosophy, University, 10  
 Physical health, 38  
 Physiology and Pharmacology Department, 59  
 Policies and practices governing student life, 41  
 Predoctoral D.D.S. program, 29  
 Pre-entrance requirements, Dental hygiene students, 61, 63  
 General dentistry students, 70  
 International students, 33

- Private and government loans and scholarships, 36
- Probation, criteria for placement on academic, 47
- Probation, level of academic, 47
- Procedures for academic review, 46
- Professional apparel, 41
- Program requirements, 54
- Programs and degrees, 28, 54
  - Advanced [postdoctoral] Dental Education Programs (specialty and non-specialty certificates; M.S. option), 104
  - Combined degrees (D.D.S degree with M.P.H. or M.S. or Ph.D. degree), 28, 54
  - Dental Hygiene Program (B.S. degree), 60
  - General Dentistry Program (D.D.S. degree), 28, 69
  - International Dentist Program (post-doctoral), (D.D.S. degree), 96
- Programs and departments, Section IV, 53
- Programs overview, advanced dental education programs, 104
- Prosthodontics, Advanced Program in, 122
- Provisional student, 43
  
- Re-entrance requirements: returning from academic or personal leave of absence, 48
- Registration classifications, 43
- Regular student, 43
- Refunds, 34
- Repeating/remediating a course, 45
- Required abilities/skills/attributes, 31, 32
- Requirements for entrance, 37
- Requirements for graduation, 62, 71, 97
- Residence hall, 41
- Restorative Dentistry Department, 91
- Room deposit, 34
  
- Schedule of charges, 35
  - Dental hygiene, 35
  - Dentistry, 35
- Scholastic standing: grades, grade points, notations, 44
- School accreditation, 25
- School administrative personnel, 137
- School committees, 137
- School foundations, 23
- School history, 23
- School mission, 25
- School of Dentistry, Section II, 21
- School vision, 26
- Section I, Loma Linda University, 9
  - Section II, School of Dentistry, 21
  - Section III, Service Learning, 50
  - Section IV, Programs and Departments, 53
  - Section V, International Dentist Program, 95
  - Section VI, Advanced Dental Education Programs, 103
  - Section VII, Faculty, 125
  - Section VIII, Division of General Studies, 129
  - Section IX, The Directory, 135
  - Service Learning, Section III, 50, 51
  - Sexual harassment, 42
  - Social health, 38
  - Special examination, exceptions, 44
  - Special grants, 36
  - Specific requirements for student's chosen program(s), student responsible for, 49
  - Spiritual health, 38
  - Student Health Plan, 39, 40
  - Student Assistance Program, 39
  - Student's Association, Dental, 42
  - Student/Family counseling, 39
  - Student health-plan coverage, 35
  - Student identification card, 41
  - Student life, 37
  - Student-initiated academic grievance procedure, 48
  - Substance abuse, 42
  - Summary of graduates, 143
  - Supplies required for dental hygiene student, 61
  - Supplies required for dentistry student, 70
  
  - Technical standards, required, 31
  - Transcripts, 30, 49
  - Transfer, course waiver, 30
  - Transportation, 41
  - Tuition, 34, 35
  
  - Unit of credit, 55
  - University administration, 136
  - University Board of Trustees, 136
  - University foundations, 10
  - University history, 10
  - University mission, 11
  - University philosophy, 10
  
  - Veterans' benefits, 34, 45
  - Visas, 33
  - Vision, School, 26
  
  - Whole-person health, 38
  - Web sites, 158



**TO COMMUNICATE WITH LLU . . .**

**MAIL:**  
**Loma Linda University**  
**11060 Anderson Street**  
**Loma Linda, CA 92350**

**WEB SITE:**  
<http://www.llu.edu>

**PHONE:**  
**For information about LLU 1/800-422-4LLU**  
**dialing from Canada 1/800-548-7114**

**Area Code: 909/**  
**Switchboard: 558-1000, 558-4300**

<b>Off-campus PHONE:</b>	<b>On-campus PHONE:</b>		<b>Off-campus FAX:</b>	<b>On-campus FAX:</b>
558-4540	44540	<b>Chancellor</b>	558-0242	80242
558-4787	44787	<b>Diversity</b>	558-0140	80140
558-4510	44510	<b>Student Affairs</b>	558-4879	44879
		Student welfare, housing, visas...		
558-4955	44955	<b>International Student Services</b>	558-4879	44879
558-4520	44520	<b>Student Finance</b>	558-4879	44879
558-4509	44509	<b>Student Financial Aid</b>	558-7904	87904
558-4508	44508	<b>University Records</b>	558-4879	44879
558-8770	88770	<b>Student Health Service</b>	558-0433	80433
558-6028	66028	<b>Student Counseling</b>	558-6090	66090
558-6050	66050	<b>Student Assistance Program</b>	558-6051	66051
		<b>Spiritual Counseling</b>		
558-8348	88348	Campus Chaplain/Campus Ministries	558-0347	80347
558-4570	44570	University Church	558-4186	44186
809-1049	44270	Campus Hill Church	796-1992	
558-9200	39200	LLU Behavioral Medicine Center	558-9243	39243
558-4536	44536	<b>Faculty of Religion</b>	558-4856	44856
558-8434	88434	Dean	558-4856	44856
558-4956	44956	Biomedical and Clinical Ethics	558-0336	80336
558-4956	44956	Center for Christian Bioethics	558-0336	80336
558-8433	88433	Clinical Ministry	558-4856	44856
558-1000	ext. 43983	Center for Spiritual Life and Wholeness	558-0336	80336
558-8433	88433	Religion and the Sciences	558-4856	44856
		<b>The Schools:</b>		
		<b>Allied Health Professions</b>		
558-4599	44599	Admissions	558-4291	44291-attn. Admissions
558-4545	44545	Dean	558-4291	44291-attn. Dean
558-4932	44932	Cardiopulmonary Sciences	558-4701	44701-attn. CPSC
558-4966	44966	Clinical Laboratory Science	558-0458	80458-attn. CLSC
558-4976	44976	Health Information Management	558-0404	80404-attn. HLIN
558-7389	87389	Health Science (B.S., Japan only)	558-0982	80982-attn. HSCI
558-4593	44593	Nutrition and Dietetics	558-4291	44291-attn. DTCS
558-4628	44628	Occupational Therapy	558-0239	80239-attn. OCHT
558-4948	44948	Occupational Therapy Assistant	558-0239	80239-attn. OCTA
558-4632	44632	Physical Therapy	558-0459	80459-attn. PHTH
558-4634	44634	Physical Therapist Assistant	558-0459	80459-attn. PAST
558-4931	44931	Radiation Technology	558-4291	44291-attn. RTCH
558-4998	44998	Speech-Language Pathology/Audiology	558-4291	44291-attn. SPPA
558-4998	47224	Speech-Language Pathology Assistant	558-4291	44291-attn. SLPA

Off-campus PHONE:	On-campus PHONE:		Off-campus FAX:	On-campus FAX:
558-4222	1616	<b>Dentistry</b>		
558-4621	44621	Admissions	558-4211	44211
558-4683	44683	Dean	558-0483	80483
558-8624	88624	Advanced Dental Education Programs	558-0122	80122
558-4621	44621	Dentistry Program	558-4211	44211
558-4631	44631	Dental Hygiene Program	558-0313	80313
558-4669	44669	International Dentist Program	558-0133	80133
558-4790	44790	SD Student Affairs	558-4211	44211
558-4601	44601	SD Academic Affairs	558-4211	44211
		<b>Graduate</b>		
558-4529	44529	Admissions	558-7967	87967
558-4528	44528	Dean		
		<b>Medicine</b>		
558-4462	44462	Admissions	558-4146	44146
558-4467	44467	Dean	558-0359	80359
558-4481	44481	Dean	558-4146	44146
		<b>Nursing</b>		
558-1000	ext. 44360	Admissions	558-4134	44134
558-4923	44923	Dean	558-0175	80175
558-4517	44517	Graduate	558-0225	80225
558-8061	88061	Undergraduate	558-0719	80719
558-8060	88060	International Nursing	558-0643	80643
558-7122	87122		558-0224	80224
		<b>Pharmacy</b>		
558-1300	41300	Admissions	558-4859	44859
558-7442	87442	Dean	558-7973	87973
		<b>Public Health</b>		
558-4546	44546	Admissions/Academic Records	558-4087	44087
558-4694	44694	Dean	558-4087	44087 attn. Admissions
558-4578	44578	Environmental and Occupational Health	558-4087	44087 attn. Dean
558-8750	88750	Epidemiology and Biostatistics	558-0493	84493 attn. ENVH
558-8750	44590	Health Administration	558-0126	80126 attn. EPDM/STAT
558-4573	44573	Health Promotion and Education	558-0469	80469 attn. HADM
558-4575	44575	International Health	558-0471	80471 attn. HPRO
558-4902	44902	Maternal and Child Health	558-0389	80389 attn. INTH
558-4575	44575	Nutrition	558-0471	80471 attn. MCH
558-4598	44598	Preventive Medicine Residency Program	558-4095	44095 attn. NUTR
558-4918	44918		558-0630	80630 attn. PMR
		<b>School of Science and Technology</b>		
558-1900	81900	Admissions/Academic Records	558-7967	87967 attn. Admissions
558-4528	44528	Dean	558-0441	80441 attn. Dean

	<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 and on-line application for admission and information	<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>
<b>Science and Technology</b>	<a href="http://www.llu.edu/llu/scitech.html">http://www.llu.edu/llu/scitech.html</a>	<a href="mailto:admissions.sst@univ.llu.edu">admissions.sst@univ.llu.edu</a>