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1999 - 2001 Bulletin

Loma Linda University

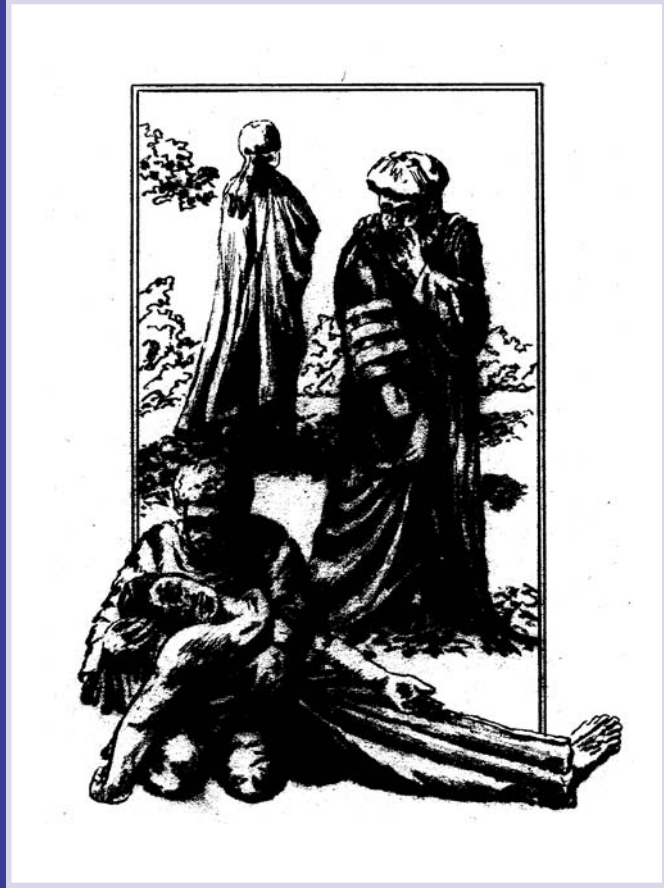
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LOMA LINDA UNIVERSITY



SCHOOL OF DENTISTRY

1999 ♣ 2001



Loma Linda University
SCHOOL OF DENTISTRY
Bulletin 1999-2001

Loma Linda, California

<http://dentistry.llu.edu>

Cover: The Good Samaritan sculpture, located on the campus mall
is a graphic representation of the parable by Jesus, recorded in Luke 10:30-37.

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.

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School of
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1999-2001

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a health-sciences university

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I

LOMA LINDA UNIVERSITY

University Foundations

Our Mission

Nondiscrimination Policy

Affirmative Action

The Calendar

University Foundations

HISTORY

Loma 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 (1998) indicate that the core of the combined faculties consists of 997 full-time teachers. Part-time and voluntary teachers, largely clinicians in the professional curricula, bring the total to 2170. Men and women from 83 nations are represented in the 1998-99 enrollment of 3583.

PHILOSOPHY

As 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 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

Loma 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

Our 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

We 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

We 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

We 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

The 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, sex, race, color, or national origin in its educational and admissions policies, financial affairs, employment programs, student life and services, or any University-administered program.

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

The 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 sex 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

1999

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			

JUN 2-18
4

7-10
10
12
13
13-17
14
16
17

21-SEP 2
21-JUL 27
21-SEP 3
21
21
28

Early registration for Summer Quarter
Last day to submit final copy of thesis, publishable paper, or dissertation; signed approvals; and Certification of Completion of Requirements for Degree (Form D) to the Graduate School for Spring Quarter completion
Final examinations
Spring Quarter ends
Graduate School Baccalaureate Service
Graduate School graduation
California dental licensure examination
Grades due from SD faculty
Freshman comprehensive examination
National Boards Part I qualifying examination (required for sophomores)

SUMMER QUARTER 1999

First five-week session
Eleven-week session
Last day to obtain financial clearance and to complete registration without a late fee
Instruction begins for first five-week session and for eleven-week session
Last day to submit Petition for Graduation (Form C) and Program Check Sheet to Graduate School for Autumn Quarter completion

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
6-SEP 16
6
12
25-27

28-SEP 3
28
28

Independence Day recess
SD summer session
Instruction begins, SD summer session
SD National Boards Part I
“Careers in Dentistry”
Last day to enter a course or to change from audit to credit/credit to audit (one week after course begins)
Last day to withdraw with no record of course registration on transcript (one week after course begins)
Second five-week session
Instruction begins for second five-week session
Last day to submit Petition for Candidacy (Form A) to the Graduate School for Winter Quarter completion
Registration for certain basic medical science classes

The Calendar

1999

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				

27

Last day to submit final copy of thesis, publishable paper, or dissertation; signed approvals; and Certification of Completion of Requirements for Degree (Form D) to the Graduate School for Summer Quarter completion

Last day to withdraw with a W grade or to submit S/U petition (one week before end of course)

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		

2-3

Registration for post-summer session

Summer Quarter ends

Labor Day recess

3

Labor Day recess

6

Labor Day recess

7-24

POST-SUMMER SESSION 1999

Post-summer session instruction begins

7

Registration for Autumn Quarter

8-24

Last day to withdraw with a W grade or to submit S/U petition (one week before end of SD summer session course)

9

LLU Faculty Convocation

15

LLU Faculty Convocation

16

SD summer session ends

17-26

Autumn break

20

Grades due from faculty

20-23

Freshman dentistry and junior dental hygiene orientation/

learning skills workshop

24

Instruction ends for post-summer session

27-DEC 14

AUTUMN QUARTER 1999

27

Last day to obtain financial clearance and to complete registration without a late fee

27

Instruction begins

OCTOBER

S	M	T	W	T	F	S
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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

Last day to submit Petition for Graduation (Form C) and Program Check Sheet for Autumn Quarter and Winter Quarter completion

5

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

5

Senior Simulated National Board Examination Part II

7

Campus/Chamber of Commerce Connection

7-9

NASDAD convention, Maui

9-13

ADA convention, Maui

11-15

Autumn Week of Devotion

12

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

22-24

SD faculty/staff/student retreat

29-30

Annual HALL/ALAS student retreat

The Calendar

1999

NOVEMBER

S M T W T F S

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

Last day to submit Petition for Candidacy (Form A) to the Graduate School for Spring Quarter completion
 Annual BALL/BHPSA student retreat
 National Board qualifying examination
 Thanksgiving recess
 Instruction resumes
 Last day to withdraw with a W grade or to submit S/U petition (one week before course ends)
 Registration for Winter Quarter

DECEMBER

S M T W T F S

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19	20	21	22	23	24	25	
26	27	28	29	30	31		
							6
							6- 7
							9-14
							14
							15-JAN 2
							17

Last day to withdraw with a W grade or to submit S/U petition (one week before course ends)
 Last day to submit final copy of thesis, publishable paper, or dissertation; signed approvals; and Certification of Completion of Requirements for Degree (Form D) to the Graduate School for Autumn Quarter completion
 National Board Examination Part I
 National Board Examination Part II
 Final examinations
 Autumn Quarter ends
 Christmas recess
 Grades due from faculty

2000

JANUARY

S M T W T F S

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2	3	4	5	6	7	8	3-MAR 16
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16	17	18	19	20	21	22	5
23	24	25	26	27	28	29	
30	31						8-15
							10
							11
							17
							18
							18-21
							31-FEB 4

WINTER QUARTER 2000

Instruction begins
 Last day to obtain financial clearance and to complete registration without a late fee
 Mission Emphasis Week
 Last day to submit Petition for Graduation (Form C) and Program Check Sheet to Graduate School for Spring Quarter completion
 Last day to enter a course or to change from audit to credit/credit to audit
 Martin Luther King, Jr., Day recess
 Last day to withdraw with no record of course registration on transcripts
 Student Week of Spiritual Emphasis
 African-American History Week

The Calendar

2000

FEBRUARY

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					

8

9-14

21

28-MAR 24

28

Last day to submit Petition for Candidacy (Form A) to the Graduate School for Summer Quarter completion
 SD alumni/student convention
 Presidents' Day recess
 Registration for Spring Quarter
 Last day to withdraw with a W grade or to submit S/U petition (one week before course ends)

MARCH

S	M	T	W	T	F	S
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

10

13-16

16

17-20

17-26

21

27-JUN 8

27

27

Last day to submit final copy of thesis, publishable paper, or dissertation; signed approvals; and Certification of Completion of Requirements for Degree (Form D) to the Graduate School for Winter Quarter completion

Final examinations
 Winter Quarter ends
 Western Regional Board Examination (subject to change)
 Spring recess
 Grades due from faculty

SPRING QUARTER 2000

Last day to obtain financial clearance and to complete registration without a late fee
 Instruction begins

APRIL

S	M	T	W	T	F	S
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

3

3- 4

4

10-14

11

19-MAY 10

Last day to submit Petition for Graduation (Form C) and Program Check Sheet to Graduate School for Summer Quarter completion

National Board Examination Part II
 Last day to enter a course or to change from audit to credit/credit to audit

Spring Week of Devotion
 Last day to withdraw with no record of course registration on transcript
 Fine Arts Festival

The Calendar

2000

MAY

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

2 Last day to submit Petition for Candidacy (Form A) to the Graduate School for Autumn Quarter completion
 4 Last day to enter a course or to change from audit to credit/credit to audit
 13 Minority Consecration Service
 22 Last day to withdraw with a W grade or to submit S/U petition
 26 Dental Hygiene Pinning Service
 27 Baccalaureate Service
 28 Conferring of Degrees
 29 Memorial Day recess
 31-JUNE 16 Registration for summer session

JUNE

S	M	T	W	T	F	S	
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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		5-8

2 Last day to submit final copy of thesis, publishable paper, or dissertation; signed approvals; and Certification of Completion of Requirements for Degree (Form D) to the Graduate School for Spring Quarter completion
 5-8 Final examinations
 8 Spring Quarter ends
 9-JUL 5 SD summer break
 9 Vesper Service — “Focus on Graduates”
 10 GS Baccalaureate Service
 11 GS Conferring of Degrees
 12 Grades due from SD faculty
SUMMER QUARTER 2000
 19-SEP 1 First five-week session
 19-JUL 25 Eleven-week session
 19-SEP 1 Instruction begins for first five-week session and for eleven-week session
 19 session
 26-SEP 14 SD summer session

JULY

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

4 Independence Day recess
 5 Instruction begins, SD summer session
 10 National Board Examination Part I
 26-SEP 1 Second five-week session
 26 Instruction begins for second five-week session
 Last day to enter a course or to change from audit to credit/credit to audit (one week after course begins)
 Last day to withdraw with no record of course registration on transcript (one week after course begins)
 Last day to withdraw with a W grade (one week before end of course)
 Last day to submit S/U petition (one week before end of course)
 26 Last day to submit Petition for Candidacy (Form A) for Winter Quarter completion

The Calendar

2000

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	
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27	28	29	30	31			

Last day to submit final copy of thesis, publishable paper, or dissertation; signed approvals; and Certification of Completion of Requirements for Degree (Form D) to the Graduate School for Summer Quarter completion

SEPTEMBER

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

Summer Quarter ends
 Labor Day recess
 Post-summer sessions
 Registration for Autumn Quarter
 LLU faculty convocation
 SD summer session ends
 Loma Linda University Faculty Convocation
 SD freshman learning skills workshop/orientation
AUTUMN QUARTER 2000
 Last day to obtain financial clearance and to complete registration without a late fee
 Instruction begins

OCTOBER

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

Autumn Week of Devotion
 Campus/Chamber of Commerce Connection
 Last day to submit Petition for Graduation (Form C) and Program Check Sheet to Graduate School for Autumn Quarter completion
 Last day to enter a course or change from credit to audit/audit to credit
 Last day to withdraw with no record of course registration on transcript
 SD faculty/student/staff retreat
 Annual HALL/ALAS student retreat

NOVEMBER

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

Last day to submit Petition for Candidacy (Form A) to the Graduate School for Spring Quarter completion
 Annual BALL/BHPSA student retreat
 Thanksgiving recess
 Instruction resumes
 Last day to withdraw with a W grade (one week before end of course)
 Last day to submit S/U petition (one week before end of course)
 Registration for Winter Quarter

The Calendar

2000

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

4
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8

11-14
14
15-JAN 2
19

National Board Examination Part I
National Board Examination Part II
Last day to submit final copy of thesis, publishable paper, or
dissertation; signed approvals; and Certification of
Completion of Requirements for Degree (Form D) to
the Graduate School for Autumn Quarter Completion
Final examinations
Autumn Quarter ends
Christmas recess
Grades due from faculty

2001

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 15
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6-13
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11

15
16
16-19

WINTER QUARTER 2001

Last day to obtain financial clearance
Instruction begins
Mission Emphasis Week
Last day to submit Petition for Graduation (Form C) and Program
Check Sheet to Graduate School for Spring Quarter
completion
Last day to enter a course or change from credit to audit/
audit to credit
Martin Luther King, Jr., Day recess
Last day to withdraw with no record of course registration on
transcript
Student Week of Spiritual Emphasis

FEBRUARY

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

5- 9
6

7-12
12

African-American History Week
Last day to submit Petition for Candidacy (Form A) to the
Graduate School for Summer Quarter completion
SD alumni/student convention
Presidents' Day recess

The Calendar

2001

MARCH

S	M	T	W	T	F	S
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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	Last day to withdraw with a W grade or to submit S/U petition
1-26	Registration for Spring Quarter
9	Last day to submit final copy of thesis, publishable paper, or dissertation; signed approvals; and Certification of Completion of Requirements for Degree (Form D) to the Graduate School for Winter Quarter completion
11-13	Western Regional Board Examination (dates subject to change)
12-15	Final examinations
15	Winter Quarter ends
16-25	Spring recess
20	Grades due from faculty
26-JUN 8	SPRING QUARTER 2001
26	Last day to obtain financial clearance and to complete registration without a late fee
26	Instruction begins
26-27	National Board Examination Part II

APRIL

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

2	Last day to submit Petition for Graduation (Form C) and Program Check Sheet to Graduate School for Summer Quarter completion
2- 6	Spring Week of Devotion
3	Last day to enter a course or change from credit to audit/audit to credit
10	Last day to withdraw with no record of course registration on transcript
22-29	Fine Arts Festival

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	29	30	31		

1	Last day to submit Petition for Candidacy (Form A) to the Graduate School for Autumn Quarter completion
12	Minority Consecration Service
21	Last day to withdraw with a W grade (one week before end of course)
	Last day to submit S/U petition (one week before end of course)
25	Dental Hygiene Pinning Service
26	Baccalaureate Service
27	Conferring of Degrees
28	Memorial Day recess

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

1-18	Registration for summer sessions
1	Last day to submit final copy of thesis, publishable paper, or dissertation; signed approvals; and Certification of Completion of Requirements for Degree (Form D) to the Graduate School for Spring Quarter completion
4- 7	Final examinations
7	Spring Quarter ends
12	Grades due from faculty

II

THE SCHOOL OF DENTISTRY

Letter from the Dean

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W elcome to Loma Linda University and to being a part of one of the most vibrant health-sciences centers in the United States. The School of Dentistry bulletin highlights information about our institution; its programs, policies, procedures, requirements, and expectations; and the mission that serves as the foundation of our commitment to providing a quality dental education in a Christian environment.

LLU School of Dentistry has a proud tradition of excellence—one which strives to balance progressive excellence with the highest standards and the compassionate service of our heritage. Each graduate leaves the School prepared to be of immediate service to people and society. The ability to perform meaningful service is a great gift which enriches the lives of those served and of those serving.

Oral health care is a vital and challenging part of overall health care. As biomedical knowledge grows at an explosive rate, our faculty are dedicated to a curriculum that will produce excellent dental professionals. You will learn to use state-of-the-art dental materials and techniques, receive abundant experience in patient care, and have many opportunities to provide dental treatment in extramural clinics that help meet the dental health needs of underserved people.

Our ongoing 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.

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 an exciting and enjoyable experience. We welcome you to the experiences that await you in your professional training at LLU.



Charles J. Goodacre
 Charles J. Goodacre, D.D.S.
 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 which 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 NASDAD, the National Association of Seventh-day Adventist Dentists.

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 SDA 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 and has added a six-month certificate program limited to dental missionaries from other countries who sense the need for updated continuing education.

ACCREDITATION

The School has been fully approved by the Council on Dental Education of the American Dental Association since May 23, 1957, and is a member of the American Association of Dental Schools.

OUR MISSION

Loma Linda University School of Dentistry recognizes and subscribes to the University motto, “To Make Man Whole,” and thus seeks to further the healing and teaching ministry of Jesus Christ through a commitment to:

- OFFER an educational environment in which students learn to provide high-quality dental care which is preventive in purpose, comprehensive in scope, and based on sound biological principles.
- ADVANCE creativity and responsibility through seeking to understand the basis of oral health and developing new means of aiding patients toward wholeness.
- DEMONSTRATE the Christian ideal of service by providing compassionate, personalized care to patients in the local, national, and world communities.

FOR OUR STUDENTS, WE:

- View as our primary responsibility the education of students to become competent general dentists. We seek to create a collegial environment which facilitates learning and mutual respect and produces satisfied and successful alumni who contribute to the continued development of the School of Dentistry. In addition, we support the advancement of the dental profession through programs in dental hygiene and advanced dental education.
- Value the diversity of humanity, as ordained by God, in the School of Dentistry recruitment and admissions process.
- Guide students in developing a thorough, integrated understanding of the biomedical sciences and the principles of wellness, and their application to the maintenance of oral health.
- Develop students’ proficiency in diagnosing oral conditions and applying knowledge and skill to the prevention of disease and to the restoration of function and appearance.
- Provide opportunities for students to gain practical experience in the management of comprehensive, whole-person dental care in collaboration with auxiliary personnel and through interaction with medical and dental specialists.
- Nurture intellectual curiosity and develop active, independent learners through exposure to, participation in, and dissemination of investigative research emphasizing clinical dentistry.
- Establish a basis and a desire for lifelong learning and provide continuing educational resources for our alumni and professional peers.

FOR OUR FACULTY, WE:

- Recruit and maintain a faculty committed to the programs and purposes of the School.
- Create an atmosphere which esteems faculty worth and provides meaningful incentives to encourage faculty to achieve both personal and professional objectives.
- Enable faculty to enhance their educational, research, and service pursuits through the support of responsive staff and administration.
- Encourage involvement and professional growth for faculty through a balance of resources, accountability, and recognition.

FOR OUR PATIENTS AND OTHERS WE SERVE, WE:

- Provide humanitarian dental services consistent with the educational mission to our students.
- Promote oral health and respond to the oral health maintenance, therapeutic, and rehabilitative needs of those who seek our service.
- Share with local, regional, national, and world communities our concern for the health of the public and our willingness to participate in enhancing the quality of life.
- Participate in the development of health care policy.

FOR OUR CHURCH AND OUR GOD, WE:

- Provide opportunities for students, faculty, staff, and patients to develop a personal Christian faith and practice the application of Christian values, attitudes, and behaviors.
- Identify, educate, and motivate persons with Christian commitment to serve and provide oral health care for the worldwide mission of the Seventh-day Adventist church.

GOALS

Each school of the University is encouraged to list its goals; departments, in turn, are encouraged to list their objectives. The goals and objectives in each case are consistent with the University's overall purpose.

The primary goal of the School of Dentistry is the education of men and women qualified to provide dental care that is comprehensive in its technical excellence and in its orientation to an awareness of the total health needs of the patient. Such practitioners must be responsive to the public as well as to the individual patient's needs—skilled in applying basic and clinical

sciences; providing moral, spiritual, and social leadership in their communities; and inspiring in themselves and others a reach for excellence and a desire for service which produces ethical and competent teachers, researchers, and specialists.

Additional goals of the School of Dentistry also include creating role models for preventive practices and informing the profession of advances in research and in methods of promoting dental health. To further facilitate the achievement of these goals, the School of Dentistry trains dental hygienists and dental specialists to augment the effectiveness of its primary educational product, the general dentist.

General Information

ADMINISTRATION

The 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, evaluation of faculty members, and evaluation of student progress.

CURRICULA

The 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

Because 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 University-sponsored field missions, in electives, and in diverse volunteer programs.

PROGRAMS, DEGREES

The School of Dentistry offers the following programs:

1. The four-year college curriculum in DENTAL HYGIENE (the junior and senior years are taken 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, an eighteen-month (two academic years) curriculum for those 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 Master of Science degree or Doctor of Philosophy degree earned (through the Graduate School) concurrently with the Doctor of Dental Surgery degree (through the School of Dentistry).

COMBINED-DEGREES PROGRAMS

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

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.

The 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 this combined-degrees program, which is offered cooperatively by the School of Dentistry and the Graduate School.

Admissions Information

Loma 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 before 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. A copy of these standards is available in the School's Office of Student Affairs. 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, drinks containing alcohol, or narcotics.

PREDOCTORAL D.D.S. PROGRAM

The 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 activities in observations and communications and the possession of sufficient motor and sensory ability 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 com-

plete the requirements for a baccalaureate degree prior to admission. A minimum of 64 semester or 96 quarter units of credit may be accepted from an accredited junior or community college.

A full year of classwork (8 semester or 12 quarter units) in general biology, general chemistry, organic chemistry, general physics, and English composition must be completed, with a grade of C or above in each course. A grade point average of 2.7 in science subjects and in nonscience subjects, averaged separately, is the minimum 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 most recent scores, if the test has been taken more than one time, 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 non-accredited 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 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 Web site: PUBLICATIONS@AADS.JHU.EDU. The application needs 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 must be filed before 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 two weeks. This includes: an essay specific to Loma Linda University, a wallet-sized photograph, and the application fee of \$60.
3. **Transcripts.** The applicant must request transcripts from all colleges or universities previously attended. Transcripts are accepted only when *sent directly* to Loma Linda University Office of Admissions from the college or university where the course work was completed.
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.
5. **Dental Admission Test.** The applicant is required to take the Dental Admission Test (DAT). It is recommended that this test be taken a minimum of one year prior to when admission is desired. 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. **Preentrance health.** Students enrolling in the School of Dentistry must provide documentation of:
 - A current TB skin test result or x-ray report.
 - Current measles, rubella, tetanus, and hepatitis B immunizations. Vaccinations can be obtained through Student Health Services for a fee, which is paid by the student.
 - A recent eye examination performed by an ophthalmologist or optometrist.

Handicapped students

It is the policy of Loma Linda University to fully comply with the provisions of the Americans with Disabilities Act. Loma Linda University is committed to making reasonable accommodation for disabled individuals.

Requests for academic accommodations for a student with a disability should be submitted in writing to the dean of the school. The dean or a designated representative will work with the appropriate agencies to evaluate the request and provide reasonable accommodation as appropriate.

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. An additional deposit of \$2,500 is

required by August 1. The remaining balance of the deposit 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.

INTERNATIONAL STUDENTS

The admission of students from countries other than the United States or Canada is limited to those who (a) meet all requirements for admission; (b) pass the Test of English as a Foreign Language (TOEFL) or its equivalent, if English is not the student's native language; and (c) give evidence of ability to meet all financial obligations to the University during the proposed course of study.

Student visa

A person entering the United States on a student visa (F-1) must carry successfully a full study load during each quarter of each academic year (12 units for the undergraduate student, 8 units for the graduate student). The applicant must be prepared to provide an advance deposit, as required by the University, and must give a guarantee that additional funds will be forthcoming to meet school expenses. Scholarships and assistantships available to international students are scarce, and employment on campus is limited by regulations of the Immigration and Naturalization Service to no more than twenty hours per week during school terms. Off-campus employment is not permitted without authorization from Immigration and Naturalization Service.

Exchange visitor

Through the United States Information Agency, the University has an exchange-visitor program for qualified international students. A student entering the United States on an exchange visitor visa (J-1) is subject to the same regulations of study load and work limitations as is the F-1 student. Further information may be obtained from the Office of International Student Services.

Visa forms

For either the F-1 or the J-1 status, visa forms are provided by the international student adviser in the Office of International Student Services after the applicant's acceptance into a program and after financial arrangements have been approved.

Financial Information

The 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 social security 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.

Veteran's benefits

An accepted student eligible to receive veteran's benefits under the 1966 enactment should (a) transfer records to the Veterans Administration Regional Office, 11000 Wilshire Boulevard, Los

Angeles, California 90024; and (b) contact the Office of University Records for further information and instructions.

If a VA student does not meet the academic criteria for promotion (p. 45) in a timely manner in the program for which he/she is enrolled for more than three consecutive terms, the student will not be certified for VA educational benefits until his/her academic status is restored to good standing.

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 (1999-2000)
(subject to change by Board of Trustee action)

DENTISTRY

TUITION/FEES*

- §23,511 Per year—first-year students: Autumn, Winter, Spring Quarters
- §28,440 Per year—second-, third-, and fourth-year students: rates effective beginning Summer Quarter

INSTRUMENTS

- §7,620 Freshman 4,555; Sophomore 2,505; Junior 465; Senior 85

SUPPLIES

- §1,750 Freshman 190; Sophomore 690; Junior 380; Senior 490

LABORATORY FEES

- §440 Freshman 165; Sophomore 135; Junior 115; Senior 25

RENTALS

- §160 Freshman 30; Sophomore 50; Junior 40; Senior 40

SPECIAL CHARGES

- §365 Freshman 130; Sophomore 100; Junior 0; Senior 135

TEXTBOOKS/MANUALS

- §2,180 Freshman 900; Sophomore 1,040; Junior 120; Senior 120

DENTAL HYGIENE

TUITION/FEES*

- §13,494 Junior year
- §17,992 Senior year

INSTRUMENTS

- §1,670 Junior 1,540; Senior 130

SUPPLIES

- §180 Junior 80; Senior 100

LABORATORY FEES

- §60 Junior 60; Senior 0

RENTALS

- §90 Junior 90; Senior 0

SPECIAL CHARGES

- §235 Junior 130; Senior 105

TEXTBOOKS/MANUALS

- §630 Junior 270; Senior 360

ESTIMATED LIVING EXPENSES (board and room)

On-campus student (\$675/mo.)

- §6,075 9 months
- §8,100 12 months

Off-campus student (\$890/mo.)

- §8,010 9 months
- §10,680 12 months

* Tuition is charged in four equal amounts, Summer through Spring Quarters. The amounts listed are for the 1999-2000 academic year only. Tuition and/or fees will change for 2000-01. 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 Commission 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.

California graduate fellowship

Applications are available from the Office of Financial Aid in December for the following academic year; the application deadline is usually the first week of March. Only California residents who are beginning their first or second year of graduate or professional school may apply. This fellowship is awarded by the Student Aid Commission in Sacramento on the basis of financial need as well as academic test scores. The commission requires:

1. the Student Aid Application for California (SAAC);
2. the Graduate Fellowship Supplement; and
3. either Dental Admissions Test (DAT), Graduate Record Examination (GRE), or Medical College Aptitude Test (MCAT) scores.

Currently, fellowships may be renewed for up to three years.

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

STUDENT RESPONSIBILITY

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. If students neglect academic or other student duties, if their social conduct is unbecoming, or if their attitudes demonstrate deficiencies such as poor judgment, moral inadequacy, or other forms of immaturity, it is inevitable that they will come under question. The faculty then reviews the case, assesses the student's fitness for a career in dentistry, and recommends to the dean appropriate action regarding the student's continuance.

Loma Linda University was established to provide education in a distinctively Christian environment. No religious test is applied; but students are expected to respect the Sabbath, to attend scheduled chapel exercises, and to honor the standards and ideals of this church-related University. Prospective students have the freedom to choose or reject these; but the decision must be made before enrollment, and students must abide by it while at this University.

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 which 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 which 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* 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*, p. 122.

STUDENT LIFE

The health of the student is regarded from the viewpoint of the total mental-physical-religious well-being. Opportunities for personal development and enrichment are provided in the regular schedule of religious exercises and activities. Other activities provide opportunities for development in the cultural and social aspects of student life.

Counseling service

The University provides a counseling service to students who desire help from professional counselors. This service, which is free and is on a voluntary basis, is designed to deal with a wide range of academic, vocational, premarital, marital, or other personal problems. No referral is necessary. The goal is to assist individuals to make maximum use of their intellectual and personal resources. Counseling is done in the strictest confidence, and no information is released except by the written request of the person counseled.

Physical fitness

Physical fitness is encouraged and promoted through various recreational activities: classes in exercise, body building, flagball, softball, basketball, and volleyball. An effort is made to interest each student in some recreational and health-building activity that may be carried over to enhance future life.

Drayson Center

The Drayson Center, Loma Linda University's recreation and wellness center, provides state-of-the-art fitness facilities. It includes a 21,000-square-foot multipurpose gymnasium which houses three full-size basketball courts, five volleyball courts, and nine badminton courts. Circling the gym's inside perimeter is a three-lane, elevated, rubberized running track. The facility also includes five racquetball courts with viewing areas, a climbing wall, 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. Also 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 classicize aerobics, scuba diving, tennis, weight training, abdominal workout, karate, Tai-chi, photography, and basic calligraphy. Physical and nutritional assessments are also available.

Teaching Learning Center (TLC)

The TLC provides assessment and course work to improve a student's study and test-taking

skills. There is no charge to the student for assessment and evaluation. Classes are available at a reduced cost to the LLU student.

THE STUDENT HEALTH PLAN

Because 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. It 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. However, School of Dentistry students and their dependents are eligible to receive dental care in the Family Clinic for a nominal fee.

Student Health Service

Professional services are rendered by 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.

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 "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 service received will be covered as if the student were still in Loma Linda.

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 provision only during open enrollment

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.

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.

An eligible student may buy Student Health Plan coverage benefits for his/her spouse and/or child(ren). Eligible dependents are the spouse (residing with the insured student) and unmarried child(ren) under twenty-four years of age who are not self-supporting and who are themselves full-time students.

If a new spouse or eligible dependent is added to the household of a covered student after the two-week enrollment period, then the student has a thirty-day grace period (after the wedding or after the birth, etc.) in which to buy coverage for the new spouse or new dependent; however, the coverage must be purchased for the entire quarter in which this new status occurred.

Quarterly buy-in rates are:

\$210	Part-time student
\$280	One dependent
\$530	Two or more dependents

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 12 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.

Preferred-provider plan

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

For local students the Student Health Plan covers only those prescriptions purchased through the Loma Linda Campus Pharmacy and the Loma Linda University Medical Center Pharmacy. The student co-pays \$7 for generic or \$10 for brand-name prescriptions; the Student Health Plan covers the balance for up to a 30-day supply per prescription.

The annual benefits apply per academic year, July 1 through June 30.

The Student Health Plan will pay medical expenses incurred subject to plan parameters to an annual limit of \$100,000.

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 insurance

Students are covered by malpractice insurance while acting within the course and scope of any approved clinical assignment. Coverage is provided for an additional six months after graduation in order for students to complete licensure examinations.

Disability insurance plan

All School of Dentistry predoctoral students are automatically enrolled in a disability insurance program while registered in the School. This program provides limited disability insurance for 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 School of Dentistry Office of Student Affairs.

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. Student vehicles used on campus must be registered with the University Department of Safety and Security. New students may register vehicles with the School's Maintenance Office. Returning students must go to the University Department of Safety and Security to renew registration each quarter.

GOVERNING PRACTICES

Residence hall

The School is coeducational and accepts both single and married students. Undergraduate single students with fewer than 190 quarter units completed are expected to live in a University residence hall. Exceptions are made for students who are at least twenty-two years of age; or who live at home, with a close relative, or with a faculty member. A student who wishes to live outside the residence hall for other reasons may petition the dean of students. Students enrolled in a predoctoral program (D.D.S.) are not required to live in a campus residence hall.

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.

Employment

After completing the first year in good academic standing, a student may individually contract for part-time work during the school year to help defray expenses, with the approval of the associate dean for academic affairs. The maximum hours of work undertaken are governed by grades, class load, and health.

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* and is available from the School's Office of Student Affairs.

Personal property

The School assumes no responsibility for the loss of the student's personal property, instruments, or materials by theft, fire, or unknown causes. Lockers are provided, and students are expected to assume responsibility for the safe-keeping of their personal possessions.

Substance abuse

Loma Linda University is committed to providing a learning environment conducive to the fullest possible human development. Because the

University holds that a lifestyle that is drug, alcohol, and tobacco free is essential for achieving this goal, it maintains policies that seek a campus environment free of these substances. Students are expected to refrain from substance abuse while enrolled at the University. Substance abuse is considered to be any use of tobacco, alcohol, prescription or nonprescription drugs, or other mood-altering substance which impairs the appropriate functioning of the student. The School offers counseling and other redemptive programs to assist in the recovery from substance abuse. Continuation 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.

Sexual harassment

Sexual harassment is reprehensible and will not be tolerated by the University. It subverts the mission of the University and threatens the careers, educational experience, and well-being 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 designated, trained representatives. The ombudspersons for the School of Dentistry are Jonelle Stephens and Willis Schlenker. A complete policy regarding sexual harassment can be found in the Loma Linda University *Student Handbook*.

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

Service learning

Field experience for students of dentistry and dental hygiene include extramural mission experience within the U.S. and in several foreign countries, Coast Guard externships, local health fairs, and elementary school dental health presentations. These service opportunities may last from one day to several weeks. Senior dental students may apply for mission externships and Coast Guard assignments during the academic recess between the junior and senior years. Freshmen, sophomores, and juniors are also encouraged to participate in the various mission trips provided during the year. Students are required to be in

good and regular standing to be eligible to participate in elective service learning externships.

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

Conventions

The annual Alumni-Student Convention, sponsored jointly since 1960 by the Alumni Association and the Dental Students' 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.



Academic Practices

The 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 a 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 University Records. 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

Regular 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 of the instructor and 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 junior and senior years for the Doctor of Dental Surgery degree.

SCHOLASTIC STANDING**Grades**

Grades and status designations are reported and recorded to indicate credit and standing; and grade points are computed, as follows:

A	4.0	Outstanding performance
A-	3.7	
B+	3.3	
B	3.0	Very good performance
B-	2.7	
C+	2.3	
C	2.0	Satisfactory performance
C-	1.7	
D+	1.3	
D	1.0	Minimum acceptable performance to receive credit
F		Failure to meet minimum requirements
S		Satisfactory (used in all pass/fail courses), equivalent to a B in graduate courses
U		Unsatisfactory (used in pass/fail courses when performance falls below a B grade level in graduate courses)

The following designations are used to make clear the student's status but not to indicate credit:

Notations

AU	Audit (must attend at least 80 percent of scheduled classes)
AUW	Audit Withdrawal (given for withdrawing from course or indicating that the 80 percent class-attendance requirement was not met)
I	Incomplete (given only in special circumstances)
IP	In Progress (for courses requiring more than one term)
W	Withdraw (used when withdrawing during third through eighth week of quarter)

S/N 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 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 Credit earned for credit by examination. Counted toward graduation-units earned but not toward units attempted. Such credit cannot be counted for financial aid purposes.

NC No Credit, for unsatisfactory performance for credit by examination. Does not count for any purpose.

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 Honor List

Outstanding academic performance will be rewarded by publication of a 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. The University sends one copy of the quarterly grade report to each student and one copy 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.

Incomplete

The notation "I" (incomplete) is given only for circumstances beyond a student's control. It 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. The student submits to the instructor a petition to receive an "I," stating the reason for the request. If approved, the instructor reports the incomplete as well as the grade the student will receive if the deficiency is not removed within the time limit. An incomplete may be changed to a grade only by the instructor before the end of the following quarter.

Withdrawal

Withdrawal from a course or courses must be authorized in writing by the associate dean for academic affairs. Forms for this purpose may be secured from the Office of University Records, or the Office of Academic Affairs. Tuition may be refunded according to the practice outlined in the Financial Information section. Withdrawals from core courses must be cleared by the associate dean for academic affairs.

Repeating a course/Removing a deficiency

If a student receives an unsatisfactory grade in a required course and the faculty deems it necessary for him/her to do additional work, one of the following plans may be pursued, on the recommendation of the Academic Review Committee and with input from the course director:

1. Reregister for the course, review the course work independently, repeat required assignments or quizzes, and take any or all course examinations, at the course director's discretion.
2. Reregister for the course, attend the class and/or laboratory, and take all course examinations.

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.

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 president and can be granted only by the president. If a candidate has not satisfactorily fulfilled all requirements, the University reserves the right to prohibit participation in commencement exercises.

PROCEDURES FOR ACADEMIC REVIEW

The process for evaluating academic performance is as follows:

1. The Academic Review Committee—by reviewing grades, reports, and other pertinent information—identifies students whose academic and clinical performance are below acceptable levels.
2. The associate dean for academic affairs notifies a student facing possible academic sanctions regarding the time and place of 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 enforces one of three sanction options:
 - Remedial action—counseling, tutoring, repeated or additional assignments, repeated or additional course work, or other similar activities as a condition for continued enrollment.
 - Probation—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.
 - Academic discontinuation.
4. Actions taken by the Academic Review Committee, other than dismissal from school, are not subject to appeal beyond the committee. Appeal of a decision of dismissal from school is referred to the dean. The dean may appoint a three-member ad hoc committee to review the decision and make a determination as to whether process was appropriately followed and whether the record supports the decision.

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. A student will be placed on academic probation, which prohibits him/her from some activities (see "Conditions for a Student on Academic Probation" below), if s/he meets one or more of the following conditions:

- A. Criteria for Placement on Academic Probation
 1. Term or cumulative overall G.P.A. below 2.0.
 2. Term or cumulative didactic G.P.A. below 2.0.
 3. Term or cumulative pre-clinical laboratory/clinical G.P.A. below 2.0.

B. Level of Academic Probation

The level of probation indicates the seriousness of the academic deficiency:

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 which cannot be retaken 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 which cannot be retaken 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 recommended for academic discontinuation.

C. Conditions/Prohibitions for 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. Remedial action may be required to satisfy terms of academic probation; any course with a grade of U or F must be remediated or repeated.
4. Remains on academic probation until all academic deficiencies are corrected, unless the student is discontinued.

D. Remedial Action

1. May consist of counseling, tutoring, repeated or additional work.
2. May consist of other specified activities as a condition for continued enrollment.

Academic discontinuation

A. Criteria for Academic Discontinuation

1. Freshmen
 - a. Any term with two or more failing grades, regardless of term or cumulative G.P.A.
 - b. Three or more failing grades within the academic year, regardless of term or cumulative G.P.A.
 - c. Six or more D or D+ grades within the academic year, regardless of term or cumulative G.P.A.
 - d. Failure to fulfill terms of academic probation within the specified time period.
2. Sophomores
 - a. Any term with two or more failing grades, regardless of term or cumulative G.P.A.
 - b. Three or more failing grades since enrollment in the predoctoral program, regardless of term or cumulative G.P.A.
 - c. Eight or more D or D+ grades since enrollment in the predoctoral program, regardless of term or cumulative G.P.A.
 - d. Failure to fulfill terms of academic probation within the specified time period.
3. Juniors
 - a. Any term with two or more failing grades, regardless of term or cumulative G.P.A.
 - b. Three or more failing grades since enrollment in the predoctoral program, regardless of term or cumulative G.P.A.
 - c. Ten or more D or D+ grades since enrollment in the predoctoral program, regardless of term or cumulative G.P.A.
 - d. Failure to fulfill terms of academic probation within the specified time period.

e. Level 4 academic probation.

f. Failure to pass National Board Examination Part I by end of junior academic year.

4. Seniors

- a. Failure to achieve eligibility for graduation within five full academic years of enrollment in the predoctoral dental program. Exception for students who are required to repeat an academic year or who are on a split program: Failure to achieve eligibility for graduation within one year of the graduation date agreed upon at the time of change to an alternate program.
- b. In some situations the Academic Review Committee may recommend that a student repeat an academic year (or portion thereof) as an alternative to discontinuation.

ACADEMIC CRITERIA FOR PROMOTION

A. Freshman to Sophomore Level

1. Cumulative G.P.A. at or above 2.0.
2. Cumulative didactic G.P.A. at or above 2.0.
3. Cumulative preclinical laboratory G.P.A. at or above 2.0.
4. Not on academic probation.
5. Successful completion of freshman comprehensive examination.

B. Sophomore to Junior Level

1. Cumulative didactic G.P.A. at or above 2.0.
2. Cumulative preclinical laboratory G.P.A. at or above 2.0.
3. Not on academic probation.
4. Completed Year II clinical examinations.

C. Junior to Senior Level

1. Cumulative G.P.A. above 2.0.
2. Cumulative didactic G.P.A. at or above 2.0.
3. Cumulative preclinical laboratory/clinical G.P.A. at or above 2.0.
4. Successful completion of National Board Examination Part I.
5. Not on academic probation.

Academic requirements for graduation

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

REPEATING A YEAR

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

1. Students are not required to re-register for any course in which a grade of B or better was earned.
2. Instructor approval must have been obtained before the student withdrew from any courses in which a grade of B- or C was earned.
3. Any courses in which a grade of C- or below was earned must be repeated.

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 non-illness-related obligation which may or may not be School sponsored. The appropriate Leave of Absence form, requiring instructor and administrator signatures, must be obtained from the School of Dentistry Office of Student Affairs and completed prior to departure.

RE-ENTRANCE REQUIREMENTS

A student who wishes to return from a leave of absence must first submit a letter to the associate dean for academic affairs requesting re-admission to the program. The request will be reviewed by the School of Dentistry Executive Committee, and the student will be contacted by the associate dean for academic affairs with the decision of the committee. If the request for re-admission is approved, the student must complete a Re-entry Form, obtainable 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 coordinator, 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 president of the University. In the case of an appeal to the president of the University, action taken will be limited to either denial of the appeal or a referral back to the Executive Committee for further consideration. Such appeals are not expected to be routine and should be considered only in circumstances where new and relevant information exists which was not available for consideration by the Administrative Council and Executive Committee.

ACADEMIC DISHONESTY

Any member of the Administrative Council may initiate disciplinary action when in his/her judgment a student's behavior is not consistent with the published standards of the University or the ethical standards of the dental profession. Academic dishonesty shall be dealt with as a disciplinary problem. In considering the student's situation, the Administrative Council may take immediate action or refer the problem to the Student Conduct Committee for action. The student shall have the right to a notice of the recommended action in writing and a chance to respond in writing. The student may, in cases of suspension or discontinuation, request permission to address the Student Conduct Committee and to have a faculty representative meet with the committee. There are four types of disciplinary action which may be taken:

1. Reprimand—verbal and/or written; verbal reprimand followed by written memorandum to the student, with copies to members of the School of Dentistry Administrative Council.
2. Probation—a specified period of time given the student to demonstrate compliance with recommended standards of behavior; action confirmed by memorandum to the student.
3. Suspension—removal from all or part of the student's total program. To prevent discontinuation, within seven days of the notice of suspension the student must initiate request for reinstatement.
4. Discontinuation.

TRANSCRIPTS

The Office of University Records provides transcripts to other institutions or to the student or graduate only on 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 obligations to the University have been met. The cost of each transcript is \$2.

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

PROGRAMS AND DEPARTMENTS

Programs and Degrees

Codes and Courses

The Dental Hygiene Program

The General Dentistry Program

The Departments

Anatomy

Biochemistry

Dental Anesthesiology

Dental Educational Services

Endodontics

Microbiology/Immunology

Oral Diagnosis, Radiology, and Pathology

Oral and Maxillofacial Surgery

Orthodontics and Dentofacial Orthopedics

Pediatric Dentistry

Periodontics

Physiology and Pharmacology

Restorative Dentistry

Programs and Degrees

The 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.

The eighteen-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

Sections III, IV, and V 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 Courses

The following course numbering system and codes are used throughout this BULLETIN. The core courses meet professional requirements within the School of Dentistry and are offered interdepartmentally.

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

PREDOCTORAL

701-749 Freshman
751-799 Sophomore
801-849 Junior
851-899 Senior

CODES

The subject areas are indicated by code letters as follows:

SUBJECT AREAS

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
ORSR 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

CORE COURSES

Following is a description of various non-departmental core courses:

GRDN 509 Research and Statistics I (3)

Introduction to research methods, including identification of variables, statement of research questions and hypotheses, and research design. Fundamental procedures for collecting, summarizing, presenting, analyzing, and interpreting data. Measures of central tendency and variation, probability, binomial distribution, normal distribution, sampling distributions and standard error, confidence intervals, hypothesis testing, t-test, chi-square, correlation, and regression. Sample size and power analysis for the t-test. Introduction to computer analysis for solution of statistical problems.

GRDN 526 Applied Anatomy (2)

Fundamentals of anatomy as applied to a special region or application.

GRDN 531 Applied Surgical Anatomy (2)

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

GRDN 545 Clinical Nutrition in Dentistry (2)

Review of basic nutrition, application of nutritional principles to the processes of mastication and deglutition, surgical wound healing, skeletal development and maintenance, tooth development and disease resistance, perinatal oral development, and oral health in aging. Videotaped review, seminar, and conference.

GRDN 555 Temporomandibular Joint Function and Dysfunction (1)

Function and dysfunction of the temporomandibular joint and associated structures. Prepares student to obtain history, perform clinical examination, recognize disorders, and prescribe treatment.

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 presented 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 607 Research and Statistics II (3)

Research designs for ANOVA, ANCOV, and multiple regression, including repeated measures and blocking. One-way ANOVA, factorial ANOVA, repeated-measures ANOVA, and analysis of covariance using the computer, with emphasis on interpretation of data. Multiple correlation and regression models using the computer, with emphasis on interpretation of data. Introduction to nonparametric statistics. Evaluation of the research literature.

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 Biomedical Science II) 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.

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 this course is constructed on an advanced level of understanding.

GRDN 632 Basic Microsurgery Techniques (2)

Designed as 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.

ORBI 534 Special Topics in Oral Biology (1)

Various topics presented where appropriate needs are identified.

ORPA 531 Clinical Oral Pathology (2)

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

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.

The Dental Hygiene Program

KAREN A. SIMPSON, Chair

Established 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 which provides for continual growth and proficiency in performance of all traditional and expanded-function procedures. Our purpose 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 which encourage critical thinking and problem-solving techniques and which 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

Kathleen E. Carmicino
 Lenore G. Boss
 Sylvia R. Castro
 Corby M. Cumbo
 Dena M. Devlin-Tiritilli
 Coralie L. Dinger
 Mak Nai Dohr
 Ellen B. Dudar
 Cheryl Eller
 Debra K. Friesen
 Debra L. Gerger
 Theresa C. Guillen
 Laurel A. Haglund
 Rhonda D. Hammerslough
 Michelle T. Hurlbutt
 Andrea F. Jaye
 Jacqueline Y. Jimenez

Michelle M. Johnson
 Susan L. Kaitukoff
 Shirley A. Lee
 Patricia M. Lennan
 Leticia C. Lenoir
 Pearl Z. McDonald
 Karla McKee-Wister
 Francine M. Phaller
 Adrienne M. Quimby
 Mary C. Quishenberry
 Jacqueline Randazzo
 Darla L. Rich
 Marisa Russo
 Jonell A. Stephens
 Sharon Ann Stirewalt
 Alysia C. Theodorou
 Teresa Thomas
 Sheila M. Thornton
 Kristi J. Wilkins

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 years of largely prescribed preprofessional 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 Council on Dental Education 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 man in health and in sickness, with 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 which 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 functions 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 is in the junior year to the dental hygiene program.

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 VII 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 course work and in nonscience course work, averaged separately; a minimum grade of C for all pre-entrance course work to be transferred to the University. The average 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 preprofessional 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 initial package outfit

of instruments specified in the official instrument list at registration must be purchased from the School of Dentistry supply room. Unauthorized or incomplete equipment is not acceptable. Advance consent must be obtained for any exception. The student must buy the professional apparel (uniforms, glasses, and shoes) specified by the School.

Awards

Dental hygiene students are eligible to receive awards by demonstrating scholastic attainment, leadership ability, technical and professional proficiency, and other accomplishments and achievements which 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 faculty.

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 dental examin-

ing 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.

Graduation requirements

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 lower than a C- grade in all core courses.
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 president and can be granted only by the president. 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 VII). 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)

Freshman English composition (a complete sequence).
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% 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

Religion

(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.
- Foreign language.
- Cultural diversity.
- Performing 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.

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.

HEALTH AND WELLNESS
(3 quarter/2 semester units)

- Personal health or nutrition.
- Physical education.
- Two activity courses.

DISTRIBUTION OF INSTRUCTION

Junior Year

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
AUTUMN QUARTER							
†ANAT	301	Head and Neck Anatomy, DH	33	33	–	66	4
†DNHY	305	Dental Anatomy, Lecture	22	0	–	22	2
†DNHY	305L	Dental Anatomy, Laboratory	–	44	–	44	1
†DNHY	309	Radiology I	11	–	–	11	1
†DNHY	321	Preclinical Dental Hygiene I, Lecture	22	–	–	22	2
†DNHY	321L	Preclinical Dental Hygiene I, Laboratory	–	44	–	44	2
REL__	____	Religion elective	22	–	–	22	2
			110	121	–	231	14
WINTER QUARTER							
†ANAT	303	General and Oral Histology and Embryology	22	33	–	55	3
†ANES	314	Pain Control: Local Anesthesia and Inhalation Sedation	41	14	–	55	4
†DNHY	310	Radiology II	22	33	–	55	3
†DNHY	322	Preclinical Dental Hygiene II, Lecture	22	–	–	22	2
†DNHY	322L	Preclinical Dental Hygiene II, Laboratory	–	44	–	44	2
†DNHY	375	Dental Hygiene Clinic	–	–	44	44	1
†DNHY	380	Medically Compromised Patients	22	–	–	22	2
			129	124	44	297	17
SPRING QUARTER							
†DNHY	303	Dental Materials and Techniques	11	33	–	44	2
†DNHY	311	Radiology III	11	–	–	11	1
†DNHY	323	Preclinical Dental Hygiene III	22	–	–	22	2
†DNHY	376	Dental Hygiene Clinic	–	–	88	88	2
DNHY	390	Introductory Statistics ²	33	–	–	33	3
DNHY	394	Introduction to Research ²	22	–	–	22	2
†ODRP	311	General and Oral Pathology, DH	55	–	–	55	5
RELE	457	Christian Ethics and Health Care	22	–	–	22	2
			176	33	88	297	19

† Core course; minimum grade of C required

^{1, 2, 3, and 4} meet general education and elective requirements for Domains I, II, III, and IV, respectively.

Senior Year

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
SUMMER QUARTER							
†BSES	305	The Etiology and Management of Dental Caries	18	4	–	22	2
†DNHY	324	Preclinical Dental Hygiene IV	22	–	–	22	2
†DNHY	376	Dental Hygiene Clinic	–	–	132	132	4
†DNHY	405	Introduction to Periodontics	22	–	–	22	2
DNHY	406	Orthodontic Concepts for Dental Hygiene	11	–	–	11	1
DNHY	416	Dental Health Education I	22	–	–	22	2
DNHY	421	Research I	–	18	–	18	2
†PHRM	411	Pharmacology, DH	22	–	–	22	2
			143	38	132	313	19
AUTUMN QUARTER							
*†DNHY	411	Dental Hygiene Clinical Seminar	22	–	–	22	2
DNHY	422	Research II	11	22	–	33	2
DNHY	475	Dental Hygiene Clinic	–	–	176	176	4
DNHY	479	Topics in Dentistry	22	–	–	22	2
RELR	475	The Art of Integrative Care	22	–	–	22	2
			88	22	176	286	13
WINTER QUARTER							
†DNHY	317	Applied Nutrition ⁴	22	–	–	22	2
DNHY	408	Professional Ethics ¹	22	–	–	22	2
*†DNHY	411	Dental Hygiene Clinical Seminar	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	461	Modifying Factors in the Etiology of Periodontal Disease	11	–	–	11	1
†DNHY	475	Dental Hygiene Clinic	–	–	176	176	4
			132	33	176	341	17
SPRING QUARTER							
DNHY	409	Jurisprudence ¹	22	–	–	22	2
†DNHY	411	Dental Hygiene Clinical Seminar	22	–	–	22	2
DNHY	414	Personal Finance ²	22	–	–	22	2
DNHY	417	Dental Health Education II	11	33	–	44	2
†DNHY	471	Special Topics in Periodontics	11	–	–	11	1
†DNHY	475	Dental Hygiene Clinic	–	–	–	176	4
DNHY	499	Research Writing (elective) ³	22	–	–	22	2
RELR	408	Christian Perspectives on Marriage and Family	22	–	–	22	2
			132	33	176	341	17

* Grade given at end of multiple-quarter course

† Core course; minimum grade of C required

1, 2, 3, and 4 meet general education and elective requirements for Domains I, II, III, and IV, respectively.

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 (1)
Principles governing radiation production and safety relative to radiographic anatomy/dental materials.

DNHY 310 Radiology II (3)
Fundamentals of intraoral and extraoral techniques, darkroom procedures, mounting of radiographs. Practical application of techniques.

DNHY 311 Radiology III (1)
Radiographic interpretation of the teeth and surrounding bony structures.

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. Dom. IV

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

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 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. 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 407 Community Health Principles (3)
Familiarizes the student with community health principles and practices, including history, organization, basic problems, programs, and methods of operation. Acquaints student with facts, issues, and other pertinent information regarding the major health concerns of the community. Exposes student to first-hand experiences within the realm of community health. Dom. IV

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 411 Dental Hygiene Clinical Seminar (2, 2, 2)
Employment opportunities, professional conduct, responsibilities, and clinical seminars.

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

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 (1, 2, 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.

DNHY 431 Public Health Dentistry (3)

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

DNHY 461 Modifying Factors in Etiology of Periodontal Disease (1)

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.

DNHY 471 Special Topics in Periodontics (1)

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 effects of adjunctive chemical plaque control). Role of dental health care providers in periodontal therapy. Special problems in periodontal care.

DNHY 475 Dental Hygiene Clinic (4, 4, 4)

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

DNHY 479 Topics in Dentistry (2)

Aspects of dental specialty practices as they relate to treatment and long-term maintenance programs.

DENTAL SCIENCES

ANES 314 Pain Control: 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 BSES 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)

The 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

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

GENERAL DENTISTRY CURRICULUM

DOCTOR OF DENTAL SURGERY

Dentistry, 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 freshman 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:

1. Intellectual capability to complete the curriculum.
2. Emotional adaptability and stability.
3. Social and perceptual skills.
4. 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 at least 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 freshman 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

The School of Dentistry has a technical standards policy that defines special physical requirements for students entering the School. This policy 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 to 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, etc.

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 offered through the Teaching Learning Center.

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 does not successfully complete 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.

Incentive program

The School of Dentistry has an incentive system to reward students for exceptional performance on the National Board Examination (NBE). The incentive system includes the following:

90th percentile performance on either NBE-I or NBE-II will receive:

- Notification of the Academic Excellence Silver Award
- School pays fee for NBE-II examination (> 90 on NBE-I)
- School pays application fee for California State Board (>90 on NBR-II)
- Recognition at LLUSD faculty meeting
- Recognition in LLU *Dentistry Journal*
- Recognition in LLUSD “DentalGram”
- Press release to student’s hometown newspaper

In addition to receiving the Academic Excellence Silver Award benefits, students who score at or above the 90th percentile on both NBE-I and NBE-II will receive:

- Notification of Academic Excellence Gold Award
- \$1500 cash award
- Recognition on prominently displayed "perpetual" plaque

The Academic Excellence Silver and Gold awards are presented at the LLUSD senior awards banquet and 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, 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 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 president and can be granted only by the president. 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/Southern California 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 Periodontology
 American Association of Endodontists
 American Association of Oral & Maxillofacial Surgeons
 American Association of Oral Biologists
 American Association of Orthodontics
 American Association of Women Dentists
 American College of Dentists, Southern California Section
 American College of Prosthodontists

American Dental Society of Anesthesiology
 American Society of Dentistry for Children
 American Society of Dentistry for Children, Southern California Unit
 American Student Dental Association
 California Dental Association
 CDA, The Dentists Company & The Dentists Insurance Company Scholarships
 Delta Dental Student Leadership Award
 Dental Foundation of California
 Dentsply Student Clinician Award
 G. Hartzell Clinician Award
 International College of Dentists
 Omicron Kappa Upsilon
 Omicron Kappa Upsilon William S. Kramer Award
 Organization of Teachers of Oral Diagnosis
 Pierre Fauchard Academy
 Preclinical Basic Science Award
 Quintessence Publishing Company Award
 Smart Practice Doctor-Patient Relationship Award
 Southern California Academy of Endodontics
 Southern California Academy of Oral Pathology
 Teledyne Water Pik Prosthodontics Award

School of Dentistry Awards

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

Additional special awards

OKU

Omicron Kappa Upsilon, 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.

Alumni Association

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

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.

President's Award

The President'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.

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. The curriculum is organized around five learning domains. Each domain is defined by major competencies which new dentists must have achieved.

The focus of the program is on student learning rather than on teaching a body of content. The major competencies in the predoctoral curriculum listed by domain are:

I. PERSONAL/PROFESSIONAL DEVELOPMENT

Ethics: The new dentist must be able to recognize ethical issues and the application of ethical principles in professional decision making.

Information Management and Critical Thinking: The new dentist must be able to acquire, critically evaluate, and synthesize information utilizing the scientific method.

Professional Relationships: The new dentist must be able to evaluate, synthesize, and apply knowledge regarding the clinical and behavioral sciences when dealing with patients, staff, and colleagues.

Personal Wholeness: The new dentist must understand the importance of interpersonal relationships and the priority of maintaining physical, emotional, financial, and spiritual health in one's personal life.

Community Service: The new dentist must be able to assume a leadership role in the community to improve the oral health of individuals, families, and groups through educational and service activities.

Jurisprudence: The new dentist must understand the legal and regulatory framework for the provision of health care services.

II. ASSESSMENT OF THE PATIENT

Patient Examination: The new dentist must be able to collect the appropriate biological, social, and psychological information needed to evaluate the general and oral health of patients of all ages. This includes the ability to recognize and manage behavioral factors which affect oral health, and use the information to implement strategies that facilitate the delivery of oral health care.

Diagnosis: The new dentist must be able to determine differential, provisional, and definitive diagnoses by interpreting and correlating findings from the patient's history, clinical findings, and other related diagnostic data.

Treatment Planning: The new dentist must be able to develop, present, and discuss a range of treatment plans for patients of all ages. These plans must be consistent with standards of care which address the patient's condition, interests, resources, and abilities.

III. MANAGEMENT AND CONTROL OF DISEASE

Pain Control and Anesthesiology: The new dentist must be able to evaluate the patient's physical and psychological state to identify factors which may contribute to orofacial pain, and to manage appropriately the discomfort resulting from treatment of the patient's dental disease.

Prevention and Treatment of Periodontal Disease: The new dentist must be able to evaluate and manage the treatment of periodontal diseases.

Prevention and Treatment of Caries: The new dentist must be able to provide appropriate preventive and/or treatment regimens for patients with various dental carious states using appropriate medical and surgical treatments.

Prevention and Treatment of Pulpal Disease: The new dentist must be able to evaluate and treat diseases of pulpal origin and subsequent periradicular disease.

Diagnosis and Treatment of Oral Pathology: The new dentist must be able to recognize and evaluate pathologic changes in the tissues of the oral cavity for treatment or referral.

Surgical Therapy: The new dentist must be able to provide basic surgical care.

IV. RESTORATION OF FORM AND FUNCTION

Occlusal Therapy: The new dentist must be able to recognize and treat minor occlusal discrepancies and to recognize and refer for treatment major occlusal and temporomandibular disorders (TMD).

Orthodontic Therapy: The new dentist must be able to evaluate and treat patients requiring minor tooth movement and space maintenance, and recognize abnormalities of growth and development.

Single-Tooth Restoration: The new dentist must be able to restore individual teeth to proper form, function, and aesthetic states by selecting and using appropriate methods and materials.

Replacement of Missing Teeth: The new dentist must be able to replace missing teeth using fixed and removable prostheses for uncomplicated cases to restore form, function, and aesthetics to the oral complex.

V. PRACTICE MANAGEMENT

Practice Management/Business Skills: The new dentist must be able to develop and manage a general dental practice or to function effectively within an established practice.

Patient Management: The new dentist must be able to effectively relate with patients of all ages in a clinical setting.

Financial Management: The new dentist must have a basic understanding of financial systems and risk management that would permit operation of a dental practice.

Professional Development: The new dentist must understand the need for ongoing professional development.

DISTRIBUTION OF INSTRUCTION

Year 1

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
AUTUMN QUARTER							
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	721	Dental Applications of the Basic Sciences	32	4	–	36	1
RESD	701	Tooth Morphology, Lecture	22	–	–	22	2
RESD	701L	Tooth Morphology, Laboratory	–	66	–	66	2
RELF	718	Adventist Heritage and Health	22	–	–	22	2
			182	104	8	294	18
WINTER QUARTER							
ANAT	508	Human Anatomy for Dentists I	44	64	–	108	7
DNES	722	Dental Applications of the Basic Sciences	32	4	–	36	1
DNES	771	Applied Nutrition	14	8	–	22	2
PHSL	504	Physiological Systems of the Human Body	46	8	–	54	5
RESD	705	Introduction to Occlusion, Lecture	12	–	–	12	1
RESD	705L	Introduction to Occlusion, Laboratory	–	45	–	45	1.5
RESD	711	Dental Materials I, Lecture (1 of 3)*	5	–	–	5	0.4
RESD	711L	Dental Materials I, Laboratory (1 of 3)*	–	14	–	14	0.4
RELE	734	Christian Ethics for Dentists	22	–	–	22	2
			175	143	–	318	20.3
SPRING QUARTER							
ANAT	509	Head and Neck Anatomy for the Dentist	47	58	6	111	8
BSES	705	Etiology and Management of Dental Caries	22	20	–	42	3
DNES	723	Dental Applications of the Basic Sciences	32	4	–	36	1
PHSL	505	Homeostatis Mechanisms of the Human Body	38	8	–	46	4
MICR	501	Principles of Microbiology	10	10	–	20	1
RESD	703	Operative Dentistry I, Lecture (1 of 2)*	16	–	–	16	1.5
RESD	703L	Operative Dentistry I, Laboratory (1 of 2)*	–	55	–	55	1.2
RESD	711	Dental Materials I, Lecture (2 of 3)*	4	–	–	4	0.3
RESD	711L	Dental Materials I, Laboratory (2 of 3)*	–	10	–	10	0.3
			169	165	6	340	20.3

* Grade given at end of multiple-quarter course

Year 2

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
SUMMER QUARTER							
DNES	707	Personal Development	11	–	–	11	1
DNES	774	Clinic Orientation (1 of 2)*	11	–	–	11	1
MICR	501	Principles of Microbiology	25	10	–	35	2.5
ODRP	701	Radiology I: Clinical Procedures	11	16	–	27	1.5
ODRP	725	Initial Assessment and Treatment Planning (1 of 2)*	18	15	–	33	1.5
ODRP	751	General and Systemic Pathology I	40	–	–	40	4
PERI	705	Introduction to Periodontics	20	–	–	20	2
RESD	703	Operative Dentistry I, Lecture (2 of 2)*	4	–	–	4	0.3
RESD	703L	Operative Dentistry I, Laboratory (2 of 2)*	–	16	–	16	0.5
RESD	704	Basic Casting Technique, Lecture	8	–	–	8	1
RESD	704L	Basic Casting Technique, Laboratory	–	24	–	24	1
RESD	711	Dental Materials I, Lecture (3 of 3)*	4	–	–	4	0.3
RESD	711L	Dental Materials I, Laboratory (3 of 3)*	–	12	–	12	0.3
RELR	749	Personal and Family Wholeness	22	–	–	22	2
			174	93	–	267	18.9
AUTUMN QUARTER							
ANES	751	Dental Anesthesia: Local Anesthesia	33	11	–	44	3
DNES	774	Clinic Orientation (2 of 2)*	11	–	–	11	1
ODRP	725	Initial Assessment and Treatment Planning (2 of 2)*	5	6	–	11	1
ODRP	752	General and Systematic 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	751	Introduction to Removable Prosthodontics	22	–	–	22	2
RESD	751L	Introduction to Removable Prosthodontics, Laboratory	–	66	–	66	2
RESD	771	Single Casting Technique, Lecture	22	–	–	22	2
RESD	771L	Single Casting Technique, Laboratory	–	66	–	66	2
			165	165	–	330	21
WINTER QUARTER							
DNES	751	The Dentist and the Community	22	–	–	22	2
ENDN	764	Endodontics I	11	–	–	11	1
ENDN	764L	Endodontics I, Laboratory	–	33	–	33	1
ODRP	761	Oral Pathology and Diagnosis	66	–	–	66	6
PEDN	751	Pediatric Dentistry I (1 of 2)*	11	–	–	11	1
PERI	751	Planning and Evaluation in Periodontal Therapy	10	–	–	10	1
PERI	761	Modifying Factors in the Etiology of Periodontal Disease	10	–	–	10	1
PHSL	741	Physiology of Bone	11	–	–	11	1
RESD	752	Removable Partial Denture Design, Lecture	11	–	–	11	1
RESD	752L	Removable Partial Denture Design, Laboratory	–	33	–	33	1
RESD	772	Fixed Prosthodontics, Lecture (1 of 2)*	22	–	–	22	2
RESD	772L	Fixed Prosthodontics, Laboratory (1 of 2)*	–	66	–	66	2
			174	132	–	306	20
SPRING QUARTER							
ANES	752	Dental Anesthesia: Sedation Techniques	11	11	–	22	1.5
DNES	789	National Board Part I Review	24	–	–	24	2
ODRP	735	Dental Emergency Diagnosis and Treatment	11	–	–	11	1
ORDN	751	Principles of Orthodontics I	11	–	–	11	1
PEDN	751	Pediatric Dentistry I, Lecture (2 of 2)*	22	–	–	22	2
PEDN	751L	Pediatric Dentistry, Laboratory (only one offered)	–	33	–	33	1
PHRM	501	Pharmacology and Therapeutics	44	2	–	46	4
RESD	753	Complete Denture Fabrication, Lecture	22	–	–	22	2
RESD	753L	Complete Denture Fabrication, Laboratory	–	66	–	66	2
RESD	772	Fixed Prosthodontics, Lecture (2 of 2)*	22	–	–	22	2
RESD	772L	Fixed Prosthodontics, Laboratory (2 of 2)*	–	66	–	66	2
			167	178	–	345	20.5

* Grade given at end of multiple-quarter course

Year 3

			CLOCK HOURS				UNITS
			Lec./Semr.	Lab.	Clin.	Total	
SUMMER QUARTER							
ANES	801	Dental Anesthesia: Advanced Topics	22	–	–	22	2
DNES	755	Applied Statistics	11	–	–	11	1
DNES	756	Research Design	40	–	–	40	2
ODRP	825	ODRP Clinic (1 of 4)*	–	–	var.	–	1
ORSR	761	Oral Surgery I	11	–	–	11	1
PERI	801	Special Topics in Periodontics	8	–	–	8	1
RESD	805	Clinical Topics in Removable Prosthetics	14	–	–	14	1
RESD	805L	Clinical Topics in Removable Prosthetics, Laboratory	–	14	–	14	1
RESD	811	Dental Materials II	11	–	–	11	1
			117	14	var.	131	11
AUTUMN QUARTER							
DNES	756L	Research Design, Laboratory	–	33	–	33	1
ENDN	814	Endodontics II	11	–	–	11	1
ODRP	807	Oral Medicine. I: TMJ and Orofacial Pain	11	–	–	11	1
ODRP	825	ODRP Clinic (2 of 4)*	–	–	var.	–	1
ORDN	801	Minor Tooth Movement	9	30	–	39	2
ORSR	811	Oral Surgery II (1 of 2)*	11	–	–	11	1
ORSR	825	Oral Surgery Clinic	–	–	var.	–	1
PEDN	825	Pediatric Dentistry Clinic (1 of 4)*	–	–	var.	–	0.5
RELE	734	Christian Ethics for Dentists	22	–	–	22	2
			64	63	var.	127	10.5
WINTER QUARTER							
ODRP	801	Oral Medicine II: Internal Medicine	22	–	–	22	2
ODRP	821	Special Care Dentistry	10	–	–	10	1
ODRP	825	ODRP Clinic (3 of 4)*	–	–	var.	–	0.5
ORSR	811	Oral Surgery II (2 of 2)*	11	–	–	11	1
PEDN	821	Pediatric Dentistry II	8	–	–	8	1
PEDN	825	Pediatric Dentistry Clinic (2 of 4)*	–	–	var.	–	0.5
PERI	805	Periodontal Surgical Therapy	10	3	–	13	1
RESD	813	Basic Oral Implantology	10	–	–	10	1
RESD	822	Operative Dentistry II, Lecture (1 of 2)*	9	–	–	9	1
RESD	822L	Operative Dentistry II, Laboratory (1 of 2)*	–	29	–	29	1
REL_	—	Elective	22	–	–	22	2
			102	32	var.	134	12
SPRING QUARTER							
ODRP	805	Oral Oncology	11	–	–	11	1
ODRP	809	Oral Medicine III: Clinical Oral Pathology	11	–	–	11	1
ODRP	811	Oral Medicine IV: Orofacial and TMJ Pain	11	–	–	11	1
ODRP	825	ODRP Clinic (4 of 4)*	–	–	var.	–	0.5
ORDN	811	Principles of Orthodontics II	11	–	–	11	1
PEDN	825	Pediatric Dentistry Clinic (3 of 4)*	–	–	var.	–	1
PHRM	503	Clinical Pharmacology in Dentistry	22	–	–	22	2
RESD	801	Fixed Prosthodontics and Occlusion	11	–	–	11	1
RESD	823	Operative Dentistry III, Lecture	16	–	–	16	1
RESD	823L	Operative Dentistry III, Laboratory	–	24	–	24	1
RELR	775	The Art of Integrative Care	22	–	–	22	2
			115	24	var.	139	12.5

* Grade given at end of multiple-quarter course

Year 4

			CLOCK HOURS			UNITS
			Lec./Semr.	Lab.	Clin.	Total
SUMMER QUARTER						
ODRP	875	ODRP Clinic (1 of 4)*	-	-	var.	1
PEDN	825	Pediatric Dentistry Clinic (4 of 4)*	-	-	var.	1.5
PERI	875	Periodontics Clinic (1 of 4)*	-	-	var.	2
RESD	875	Restorative Dentistry Clinic (1 of 4)*	-	-	var.	9.5
			-	-	var.	14
AUTUMN QUARTER						
DNES	807	Practice Management I	22	-	-	2
DNES	851	The Dentist and the Law	22	-	-	2
ODRP	875	ODRP Clinic (2 of 4)*	-	-	var.	1
PEDN	875	Pediatric Dentistry Clinic (1 of 3)*	-	-	var.	1
PERI	875	Periodontics Clinic (2 of 4)*	-	-	var.	2
RESD	875	Restorative Dentistry Clinic (2 of 4)*	-	-	var.	9.5
			44	-	var.	17.5
WINTER QUARTER						
DNES	809	Practice Management II	12	10	-	2
ODRP	875	ODRP Clinic (3 of 4)*	-	-	var.	1
PEDN	875	Pediatric Dentistry Clinic (2 of 3)*	-	-	var.	1
PERI	875	Periodontics Clinic (3 of 4)*	-	-	var.	2
RESD	861	Advanced Removable Prosthodontics	-	24	-	2
RESD	875	Restorative Dentistry Clinic (3 of 4)*	-	-	var.	9.5
RELR	764	Christian Perspectives on Marriage and the Family	22	-	-	2
			34	34	var.	19.5
SPRING QUARTER						
ENDN	875	Endodontics Clinic	-	-	var.	1
ODRP	875	ODRP Clinic (4 of 4)*	-	-	var.	1
ORDN	875	Orthodontics Clinic	-	-	var.	1
ORSR	875	Oral Surgery Clinic	-	-	var.	1
PEDN	875	Pediatric Dentistry Clinic (3 of 3)*	-	-	var.	1
PERI	875	Periodontics Clinic (4 of 4)*	-	-	var.	1.5
RESD	861	Anatomic Denture Occlusion (2 of 2)*	-	-	-	-
RESD	875	Restorative Dentistry Clinic (4 of 4)*	-	-	var.	9
			-	-	var.	15.5

* Grade given at end of multiple-quarter course

SELECTIVES PROGRAM

Each student is required to complete 150 clock hours in the Selectives Program. The purpose of the Selectives Program is to provide each student the opportunity to receive credit for educational enrichment activities. These enrichment

options typically fall into three categories: educational enrichment in a specific discipline, research experience, and clinical remediation. A more detailed description of the Selectives Program is available in the Office of the Academic Dean.

ANATOMY

PEDRO B. NAVA, JR., SM, Chair

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

Paul C. Engen
Herbert Henken
Guy M. Hunt

Paul J. McMillan
Pedro B. Nava
Walter H. Roberts
Robert L. Schultz
Charles W. Slattery

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 501 Human Anatomy I, DN (3)
Anatomy of the human body as revealed by dissection. Consideration of the developmental history pertinent to the understanding of the adult arrangement.

ANAT 502 Human Anatomy II, DN (3)
Anatomy of the human head and neck as revealed by dissection and x-ray. Consideration of the developmental history pertinent to the understanding of the adult arrangement.

ANAT 503 Human Histology, DN (5)
Detailed microscopic study of fundamental tissues, cells, organs, and systems of the human body.

ANAT 504 Oral Histology and Development, DN (3)
Introduction to general embryology, followed by a detailed study of the microanatomy of the teeth and adjacent structures.

ANAT 505 Neuroanatomy, DN (3)
Basic anatomy of the human nervous system. Structure correlated with function as much as possible at macroscopic and microscopic levels. Correlations with clinical neurology.

BIOCHEMISTRY

CHARLES W. SLATTERY, Chair

The specific objectives of the Department of Biochemistry 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 biomedical areas.

FACULTY

Richard E. Beltz
 E. Clifford Herrmann
 George T. Javor
 George M. Lessard
 W. Barton Rippon
 Charles W. Slattery
 Bruce Wilcox

COURSE

DENTISTRY

BCHM 501 Biochemistry, DN (5)

Chemistry and metabolism of proteins, lipids, carbohydrates, and nucleic acids. Vitamins and coenzymes, bioenergetics, regulation of metabolism, replication, transcription, and translation. Specific applications to dentistry stressed. Lecture and demonstration.

DENTAL ANESTHESIOLOGY

DAVID L. ANDERSON, Chair

JOHN W. LEYMAN, Director, Advanced Education Program

This 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
James P. Caley
Gary Hilton Chan
Stephen L. Cotter
Lawrence D. Day

Kathleen A. Gordon
Susane S. Lee-Hong
John W. Leyman
Michael Mashni
Sungjin James Park
Larry D. Trapp

COURSES

DENTAL HYGIENE

ANES 314 Pain Control: 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.

DENTISTRY

ANES 751 Dental Anesthesia: Local Anesthesia (3)

Local anesthesia: lectures, clinical demonstrations, motion pictures, slides, clinical practice. The anatomic approach to anesthetic injections. Physical evaluation, management of office emergencies, introduction to pharmacology.

ANES 752 Dental Anesthesia: Sedation Techniques I (1.5)

Control of fear, anxiety, and apprehension in patients. Theory of respiratory and cardiovascular physiology. Theory and clinical training in the use of intravenous psychosedation and nitrous oxide/oxygen-inhalation sedation techniques as adjuncts to local anesthesia.

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

The 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, extramural programs, and some applied basic science. 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. All students are given the opportunity to participate in providing dental services and dental health education in unique settings outside the dental school clinic, thus providing the experience of involvement in the real world “to make man whole.”

FACULTY

Mark J. Carpenter
 James M. Crawford
 Ronald J. Dailey
 Sylvia Davis
 William C. Domb
 Ralph P. Feller
 Frank Flores
 George Hartshorn
 William M. Hooker
 Elwin R. Hutchins
 William T. Jarvis
 Fred C. Kasischke
 Daniel D. Kersten

J.S. (Jay) Kim
 Carla Lidner
 Bruce D. MacLachlan
 T. Graham Matthews
 William Patrick Naylor
 Peter C. Nelson
 Geoffrey T. Okada
 Thomas C. Rogers
 Ronald J. Secor
 Gerald A. Sheppard
 Ann L. Steiner
 Rodney L. Turner
 Wu Zhang
 George M. Lessard

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 BSES 705 but with separate evaluation.

DENTISTRY

DNES 705 The Etiology and Management of Dental Caries (3)

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, self-acceptance, personal development, stress management, development of a professional manner.

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 721, 722, 723 Dental Applications of the Basic Sciences (1, 1, 1)

Clinical applications of basic sciences to dentistry.

DNES 751 The Dentist and the Community (2)

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

DNES 755 Introduction to Research and Statistics (1)

Introduction to research methodology. Evaluation of literature, with emphasis on statistics adequate for interpretation of the literature. Preparation for table-clinic presentations.

DNES 756 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 756L 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 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 774 Clinic Orientation (2)

Introduction to utilization of appropriate clinics and clinical support services.

NES 789 National Board Part I Review (2)

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

DNES 807 Practice Management I (2)

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

DNES 809 Choosing and Planning a Practice (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.

ENDODONTICS

LEIF K. BAKLAND, Chair

MAHMOUD TORABINEJAD, Director, Advanced Education Program

Endodontics 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

Hamid Reza Abedi
Leif K. Bakland
Melvin A. Coleman
Alfred L. Frank
Robert J. Frank
Arthur G. Gage
Charles M. Holman
Lee R. Ingersoll
Charles E. Jerome
Henry Kahn
Joseph D. Maggio
Steve McNicholas

Steven G. Morrow
Golshan Mortezaiepard
John C. Munce
Shahab Noorvash
Donald L. Peters
Thomas R. Pitt Ford
Robert J. Rosenberg
Merrill E. Schmidt
Shahrok Shabahang
James H. Simon
Hong-Ming Tang
Mahmoud Torabinejad
Petra Wilder-Smith
David J. Wolfe

COURSES

DENTISTRY

ENDN 764 Endodontics I, Lecture (1)
Preclinical course designed to teach the basics of endodontic diagnosis, treatment planning, and treatment procedures.

ENDN 764L 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 875 Endodontics Clinic (1)

MICROBIOLOGY/IMMUNOLOGY

BARRY L. TAYLOR, SM, Chair

JAMES D. KETTERING, SM, Assistant Chair

The goals of the Department of Microbiology are to:

1. Provide an expertise in microbiology and infectious diseases for medical, dental, and graduate students.
2. Conduct and publish research in the field of microbiology.
3. Provide professional consultation and participation with all departments, basic science and clinical.

FACULTY

Daila Gridley
James D. Kettering
Guiseppe Molinaro

Junichi Ryu
John Sands
Aladar Szalay
Barry L. Taylor
Anthony Zuccarelli

COURSES

DENTISTRY

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 which are applicable. Lecture and laboratory.

MICR 503 Essentials of Immunology (2)

Fundamental principles of immunology, including humoral and cellular immunology. Complement reactions. Cytokine and other chemical mediators. Normal and abnormal immunological responses. Lectures only.

ORAL DIAGNOSIS, RADIOLOGY, AND PATHOLOGY

SUSAN D. RICHARDS, 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

Stanton S. Appleton
Harold C. Avila
Ronald P. Blank
Garth W. Brown
Silvia C. M. Cecchini
Heidi L. V. Christensen
Dennis E. Clark
Robert J. Clement
Ralph W. Correll
Gayle W. De Boom
Lynn Diaz
Bradley A. Eli
Mark E. Estey
Gregory S. Golden

Hansen, Floyd D., DDS
Elmer Kelln
Pamela L. Lemus
Hilbert Lentz
Quint P. Nicola
Nooshin Noghreian
Richard L. Parker
Susan D. Richards
Paul L. Richardson
Gordon M. Rick
Susan Roche
Barton L. Soper
Sony Thomas
Lane C. Thomsen
Jonathan T. R. Wee

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.

ODRP 725 Initial Assessment and Treatment Planning (2.5, 1)

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.

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.

Prerequisite: ODRP 741.

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.

ODRP 755 Radiology II: Theory and Interpretation (2)

Radiation physics and safety. Techniques in selected intraoral and extraoral radiographic exposure. Oral radiographic anatomy. Introduction to radiographic dental and parodontal pathology.

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 801 Internal Medicine (2)

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 805 Oral Oncology (1)

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 post-therapy reconstruction.

ODRP 807 TMJ and Orofacial Pain I (1)

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

ODRP 809 Oral Medicine: Clinical Oral Pathology (1)

Differential diagnosis, laboratory studies, and initial management of oral disease utilizing clinical case studies.

ODRP 811 TMJ and Orofacial Pain II (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 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

WAYNE K. TANAKA, Acting Chair; Acting Director, Advanced Education Program

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 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 surgery.

FACULTY

G. William Arnett
 Robert L. Bass
 Wilson Baugh
 David J. Baylink
 Michael P. Boyko
 Philip J. Boyne
 James C. Campbell
 Martin Chin
 Peter M. Cowley
 Linda L. D'Antonio
 W. Howard Davis
 Lorenz F. de Julien
 Russell K. Elloway
 Mohan Moses Enjati
 Scott J. Fimbres
 Michael E. Fox
 Kenneth R. Gallion
 Richard A. Gelman

Joseph B. Godinez
 Mark Hagele
 Robert A. Hardesty
 Keith D. Hoffman
 Adam J. Janette
 Ronald M. Kaminishi
 Kin-Hing William Lau
 Colin T. Le
 Gregory P. Litvinoff
 Edward C. Marshall
 Dale J. Misiek
 John Rozema
 Jon Shafqat
 Dale E. Stringer
 Wayne K. Tanaka
 Vincent J. Tso
 Gregory P. Vannucci
 Herbert S. Woodward III
 James E. Yeager

COURSES

DENTISTRY

ORSR 761 Oral Surgery I (1)

Theory of oral 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.

ORSR 811 Oral Surgery II (1, 1)

Continuation of preparatory topics for general practice. Medications used in oral surgery, surgical complications, assessment of oral surgery for impacted third molars, surgical treatment of cysts, preprosthetic surgery, recognition and evaluation of trauma, introduction to orthognathic surgery.

ORSR 825 Oral Surgery Clinic I (1)

Clinical application of the principles of oral surgery. Opportunities to gain experience in cases of the type treated by the general dentist. Also, opportunities to gain considerable experience in intravenous sedation and nitrous oxide/oxygen-sedation techniques. Introduction to sterile techniques in the clinic setting.

ORSR 875 Oral Surgery Clinic II (1)

Clinical application of the principles of oral surgery. Opportunities to gain experience in cases of the type treated by the general dentist. Also, opportunities to gain considerable experience in intravenous sedation and nitrous oxide/oxygen-sedation techniques. Introduction to sterile techniques in the clinic setting.

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

Craig A. Andreiko
 J. Milford Anholm
 Ruel W. Bench
 Gunther Blaseio
 Joseph M. Caruso
 Bernard C. Chang
 Alden B. Chase
 Earl R. Crane
 Ivan Dus
 William J. Emmerson
 Michael J. Fillman
 Daniel A. Flores
 Nelson R. Gatov
 Duane C. Grummons
 Bruce S. Heinrich
 Robert J. Homer
 David Jae-Kwan Jo
 Gary Kevorkian
 V. Leroy Leggitt

Anthony B. Lier
 Robert D. Mitchell
 Raed Z. Moussa
 Henry I. Nahoum
 Roland D. Neufeld
 Lee E. Olsen
 Ronald Clark Parker
 Robert M. Ricketts
 Thomas L. Robertson
 R. David Rynearson
 Willis L. Schlenker
 Laurence A. Seifert
 Richard A. Simms
 Peter F. Strand
 Raymond M. Sugiyama
 Guy D. Taylor
 Stephen G. Tracey
 Roland D. Walters
 James R. Wise
 James Young

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

J. TODD MILLEDGE, Chair

JOHN PETERSON, JR., 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

Craig A. Andreiko
J. Milford Anholm
Ruel W. Bench
Gunther Blaseio
Joseph M. Caruso
Bernard C. Chang
Alden B. Chase
Earl R. Crane
Ivan Dus
William J. Emmerson
Michael J. Fillman
Daniel A. Flores
Nelson R. Gatov
Duane C. Grummons
Bruce S. Heinrich
Robert J. Homer
David Jae-Kwan Jo
Gary Kevorkian
V. Leroy Leggitt

Anthony B. Lier
Robert D. Mitchell
Raed Z. Moussa
Henry I. Nahoum
Roland D. Neufeld
Lee E. Olsen
Ronald Clark Parker
Robert M. Ricketts
Thomas L. Robertson
R. David Rynearson
Willis L. Schlenker
Laurence A. Seifert
Richard A. Simms
Peter F. Strand
Raymond M. Sugiyama
Guy D. Taylor
Stephen G. Tracey
Roland D. Walters
James R. Wise
James Young

COURSES

DENTISTRY

PEDN 751 Pediatric Dentistry I, Lecture (2)

Prevention of dental disease (oral hygiene, diet, fluoride, pit and fissure sealants). Pediatric oral pathology. 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 751L 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

ROBERT D. KIGER, Chair

MAX CRIGGER, 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 which 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

Thomas S. Adamich
 R. Leslie Arnett
 Robert Aronovitz
 Gary C. Bogle
 Susan Lizbeth Cartwright
 Paul Chu
 Donald S. Clem III
 Max Crigger
 Jan H. Egelberg
 Linda C. Fitzmorris
 Mario Flores
 J. Paul Fuentes
 Bernard G. Gantes
 J. Steven Garrett
 Paola Guglielmoni
 H. Michael Hersh
 Dale R. Johnstone
 Robert D. Kiger
 Alexander Koh
 Daniel Kunihiro
 Michael Lee

Yen-Hui Vickie Li
 Bruce R. Mather
 Lynn L. McKendry
 William L. Mihram
 Leslie J. Nazarov
 Rolf Nilveus
 Peter Nordland
 Per Nygaard-Ostby
 Richard K. Parris
 W. Eugene Rathbun
 David D. Rolf II
 Knut A. Selvig
 Thorarinn J. Sigurdsson
 Shalini Singh
 James A. Smith
 Mary Elizabeth Spriggs
 Julie A. Sugita
 Dimitris N. Tatakis
 Leonardo Trombelli
 Barbara H. Valadez
 Leona Marie Fahey
 Klaus D. Wolfram
 Jason M. Yamada

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)

A 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 761 Modifying Factors in the Etiology of Periodontal Disease (1)

Variation in periodontal diseases related to differing host conditions, including age, hormones, habits, drugs, genetics, nutrition, stress, systemic disease, iatrogenic factors, and trauma from occlusion.

PERI 801 Special Topics in Periodontics (1)
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)



PHYSIOLOGY AND PHARMACOLOGY

J. MAILEN KOOTSEY, Chair

JOHN LEONORA, Cochair

Upon 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
Ian M. Fraser
Raymond G. Hall

J. Mailen Kootsey
John Leonora
George Maeda
Marvin A. Peters
Robert W. Teel

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.

PHSL 501 Neurophysiology (3)

Principles, theories, and facts relative to the nervous system, presented to facilitate understanding of the relationship between structure and function. Readings in the current literature of the discipline.

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.

RESTORATIVE DENTISTRY

DOUGLASS B. ROBERTS, Chair

WAYNE V. CAMPAGNI, Director, Advanced Education Program in Prosthodontics

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

The 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 to recognize the need for a continued quest for knowledge.

FACULTY

Matty F. Abbate
 Ricardo Alvarez
 Donald W. Bailey
 John Hullet Bailey
 Thor Bakland
 Lloyd Baum
 Donald L. Beglau
 Frederick A. Berry
 Milos M. Boskovic
 Roger A. Briggs
 David C. Brodeur
 Wayne V. Campagni
 Nicholas Caplanis
 Roberto J. Carrillo
 Alex Chieh-Chang Chan
 Manual Chanavaz
 James S. Cho
 Andrea K. Choi
 Joosung Sam Chung
 Bret D. Clifton
 Charles M. Cutting
 Tony Daher
 David S. Dennis
 Sandip J. Desai
 Floyd E. Dewhirst
 D. Michael Duggan
 James R. Dunn
 Gilbert L. Dupper
 Charles E. English
 Laura Erlandson
 Virgil O. Erlandson
 Dan E. Fischer
 Michael Joseph Fitzpatrick
 Richard M. Foulston
 Kenneth A. Fowler
 Steven D. Fraker
 Michael Francis

Kevin Franks
 David L. Garber
 Wren C. Gardner
 Gary J. Golden
 Charles J. Goodacre
 John P. Greenwood
 Eiad Haddad
 Bertin D. Hall
 Martin J. Hamilton
 Oliver Hanisch
 William H. Heisler
 Donald M. Hickman
 E. Patrick Hoag
 John B. Holmes
 Glen M. Imamura
 Kouichi Cliff Itoh
 Luke H. Iwata
 Courtney Jackson
 Arthur W. Johnson
 Ebenezer Johnson
 Edward P. Johnston
 Joseph Y. K. Kan
 Daniel Kantarovich
 Matthew T. Kattadiyil
 In Chul Edward Kim
 Robert L. Kinzer
 Louis T. Kircos
 Judson Klooster
 James R. Konugres
 Richard Y. Kunihiro
 Virgil Lau
 Frank H. F. Lee
 Lambert T. Lee
 Ming-Way Lee
 Robert Lee
 Yiming Li
 Jaime L. Lozada
 Mohammad A. Madadi
 Lin R. Martin

Sharon Mateja
 Carl E. Misch
 Carlos Munoz-Viveros
 Kevin Nelson
 Harold Nemetz
 Winston J. A. Nethery
 Doyle R. Nick
 Patrick S. Oshita
 William J. Pagan
 William E. Palmer
 Bruce A. Pence
 Frank A. Pizzarello
 Arnold E. Plata
 Roger L. Plata
 Carl E. Rieder
 Robert C. Riegel
 Jack N. M. Ringer
 Douglass B. Roberts
 Ralph A. Roberts
 Clyde L. Roggenkamp
 Jeffrey I. Rosenberg
 Lamberti Salagaray
 Amy Santimalapong
 Harold E. Schnepfer
 William S. Seibly
 Peter D. Shaw
 Edward Robert Shellard
 Edwin F. Shryock
 Muna F. Soltan

Polly S. Sprague
 Robert H. Steen
 Douglas A. Stilson
 Judith M. Strutz
 Hajime Suya
 Jenny T. Sy-Munoz
 Daniel E. Tan
 Anthony G. Theodorou
 Anthony H. L. Tjan
 Harold P. Truitt
 James C. P. Tsai
 Juian C. Tsai
 Edward M. Van Doren
 Hendricus VandenHoven
 Duane R. Wacker
 Charles W. Westrick
 John M. Whittaker
 Kenneth E. Wical
 Gary T. Wilson
 Judith Wipf
 Peter S. Wohrle
 Toshiro Yamada
 Eliot M. Yeo
 Leland R. Yeoman
 Richard A. Young
 Warren S. Yow
 Fariba G. Zarrabi

COURSES

DENTISTRY

RESD 701 Tooth Morphology, Lecture (2)
 Terminology, morphologic characteristics, and inter-relationship of permanent teeth.

RESD 701L Tooth Morphology, Laboratory (2)

RESD 703 Operative Dentistry I, Lecture (1.5)
 Basic principles and techniques of cavity preparation and restoration of teeth with silver alloy and aesthetic restorative materials.
 Prerequisite: RESD 701, 701L, 705, 705L.

RESD 703L Operative Dentistry I, Laboratory (1.2)
 Prerequisite: RESD 701, 701L, 705, 705L.

RESD 704 Basic Casting Technique, Lecture (1)
 Introduction to basic casting principles and techniques.

RESD 704L Basic Casting Technique, Laboratory (1)

RESD 705 Introduction to Occlusion, Lecture (1)
 Introduction to mandibular movement. Relationship to the anatomy of teeth.
 Prerequisite: RESD 701, 701L.

RESD 705L Introduction to Occlusion, Laboratory (1.5)
 Prerequisite: RESD 701, 701L.

RESD 711 Dental Materials I, Lecture (1)
 Study of the source, use, and manipulation of dental materials. Their physical properties relative to dentistry.

RESD 711L Dental Materials I, Laboratory (1)
 Laboratory exercise in manipulating materials.

RESD 751 Introduction to Removable Prosthodontics, Lecture (2)
 Introduction to treatment planning of partially edentulous patients.

RESD 751L Introduction to Removable Prosthodontics, Laboratory (2)
 Laboratory procedures for the construction of immediate complete dentures and removable partial dentures.

RESD 752 Removable Partial Denture Design, Lecture (1)
 Survey of removable denture design concepts.
 Prerequisite: RESD 751, 751L.

RESD 752L Removable Partial Denture Design, Laboratory (1)
 Laboratory exercises in the application of design principles.
 Prerequisite: RESD 751, 751L.

RESD 753 Complete Denture Fabrication, Lecture (2)
 Principles of complete denture occlusion.
 Prerequisite: RESD 751, 751L.

RESD 753L Complete Denture Fabrication, Laboratory (2)

Laboratory aspects of complete denture treatment.

Prerequisite: RESD 751, 751L.

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.

Prerequisite: RESD 701, 701L, 703, 703L, 704, 704L, 705, 705L, 711.

RESD 771L Single Casting Technique, Laboratory (2)

Prerequisite: RESD 701, 701L, 703, 703L, 704, 704L, 705, 705L, 711.

RESD 772 Fixed Prosthodontics, Lecture (4)

Design and fabrication of porcelain-fused-to-metal restorations, including single units and fixed partial dentures.

Prerequisite: RESD 771, 771L.

RESD 772L Fixed Prosthodontics, Laboratory (4)

Prerequisite: RESD 771, 771L.

RESD 801 Fixed Prosthodontics and Occlusion (1)

Introduction to additional techniques for fixed prosthodontics, treatment planning, and repair techniques for prosthetic failures.

RESD 805 Clinical Topics in Removable Prosthodontics, Lecture (1)

Comprehensive diagnosis, treatment planning, and management of the removable prosthodontics patient.

Prerequisite: RESD 751, 751L, 752, 752L, 753, 753L.

RESD 805L Clinical Topics in Removable Prosthodontics, Laboratory (1)

Preclinical laboratory exercises involving procedures such as restorative survey crowns, relines, and repairs.

RESD 811 Dental Materials II (1)

Selection and use of current dental materials.

Required research project or written report.

RESD 813 Basic Oral Implantology (1)

History and present status of implant dentistry.

Biological and scientific bases for implantology.

Diagnosis, treatment planning, treatment, associated complications, and maintenance procedures in implant dentistry.

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 851 Senior Lecture in Removable Prosthodontics (1)**

Prerequisite: RESD 751, 751L, 752, 752L, 753, 753L, 805.

RESD 861 Anatomic Denture Occlusion (1)

Instruction and practice designed to prepare fourth-year dental students for state board denture examinations.

Prerequisite: RESD 753L.

RESD 875 Restorative Dentistry Clinic (37.5)

IV

INTERNATIONAL DENTIST PROGRAM

Faculty

The Program

Awards

Requirements for Graduation

Distribution of Instruction

Courses

International Dentist Program

BRUCE A. PENCE, D.D.S., Director

The 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—two academic years of nine months each—is predominantly clinical, with seminars and reviews occupying about one-fourth of the curriculum. Upon completion of the program, the student earns a D.D.S. degree from Loma Linda University.

FACULTY

R. Leslie Arnett, Jr.
 Donald W. Bailey
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 Fariba G. Zarrabi

THE PROGRAM

The International Dentist Program is designed for the dentist whose dental degree was earned from a school outside the United States and who wishes to augment his/her training and preparation to practice dentistry in the United States. The program—two academic years of nine months each—is predominantly clinical, with seminars and reviews occupying about one-fourth of the curriculum. Upon completion of the program, the student earns a D.D.S. degree from Loma Linda University.

History

The International Dentist Program began with its first students enrolled in 1985. Since then, classes of six or eight each have graduated annually in June and December.

Application

Application forms are available from the Division of International Dentistry. Requests are accepted by mail or telephone. An application fee of \$15.00 must be included with the application by the September 15 deadline. A passing score on the National Boards Part I is required.

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

Applicants whose complete applications—including unofficial, certified copies of transcripts if official copies are unavailable—are submitted before the application deadline will be invited to take the dexterity tests. The tests are given for all qualified applicants on a Sunday in October. Those scoring in the top half, approximately, will be invited for an interview the following day (Monday). A selection committee will evaluate the documents submitted with the application, the dexterity testing scores, and the results of the interview; and will select candidates for both the January and June classes. Upon the student's acceptance, educational institutions previously attended must send official transcripts directly to the Office of Admissions.

Entering students

When a candidate is accepted into the program, a deposit of \$1,000 is due and payable to the School within two weeks. Additionally, a pre-entrance medical record must be submitted. Upon registration, a tuition deposit of \$15,000 is required.

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

Expenses

For the 1999-2000 academic year, the expenses are approximately \$8,000 per quarter (the eighteen-

month program consists of six quarters); \$60 for textbooks. 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; or \$9,000 to \$18,000 (or more), for the eighteen-month program.

Student aid

Loans are available only to United States citizens 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.

AWARDS

Students in the International Dentist Program are eligible to receive awards based on accomplishments and achievements which 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. 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, 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 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 president and can be granted only by the president. If a candidate has not satisfactorily fulfilled all requirements, the University reserves the right to prohibit participation in commencement exercises.

INTERNATIONAL DENTIST PROGRAM

DISTRIBUTION OF INSTRUCTION

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
WINTER QUARTER							
IDPG	750	Review of General Dentistry	115	141	–	256	14
IDPP	752	Removable Partial Denture Design	11	–	–	11	1
IDPE	764	Endodontics	10	26	–	36	2
IDPC	825	General Clinic	–	–	159	159	6
			136	167	159	462	23
SPRING QUARTER							
IDPJ	830	Conjoint Dental Seminar	37	5	–	42	4
IDPO	531	Clinical Oral Pathology	22	–	–	22	2
IDPS	752	Pain Control and Psychosedation	22	–	–	22	2
IDPC	825	General Clinic	–	–	286	286	8
			81	5	286	372	16
SUMMER QUARTER							
IDPJ	835	Conjoint Dental Seminar	26	–	–	26	2
IDPC	835	General Clinic	–	–	455	455	14
			26	–	455	481	16
AUTUMN QUARTER							
IDPJ	840	Conjoint Dental Seminar	22	–	–	22	2
RELF	717	Christian Beliefs and Life	24	–	–	24	2
IDPC	835	General Clinic	–	–	414	414	12
			46	–	414	460	16
WINTER QUARTER							
IDPJ	845	Conjoint Dental Seminar	22	–	–	22	2
IDPR	845	Scientific Investigation	22	22	–	44	4
IDPC	845	General Clinic	–	–	414	414	10
			44	22	414	480	16
SPRING QUARTER							
IDPJ	850	Conjoint Dental Seminar	22	–	–	22	2
RELF	706	SDA Beliefs and Life	22	–	–	22	2
IDPC	845	General Clinic	–	–	376	376	12
			44	–	376	420	16

NOTE: Those entering in June have a slightly different sequence of classes, but the curriculum content is identical.

COURSES

DENTISTRY

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.

IDPJ 830 Conjoint Dental Seminars (4)

Continues and amplifies topics in IDPG 750, including dental photography, cast restorations, periodontics, oral diagnosis, treatment planning, tissue management, removable prosthodontics, pain control, and implantology. One-week assignment to a commercial dental laboratory.

IDPJ 835 Conjoint Dental Seminars (2)

Topics in dentistry presented by various lecturers, including orthodontics, resin-bonded bridges, composite and porcelain veneers, occlusion, and practice management.

IDPJ 840 Conjoint Dental Seminars (2)

Topics in dentistry presented by various lecturers, including orthodontics, diagnostic review prosthetics, composites, cements, and dental emergencies.

IDPJ 845 Conjoint Dental Seminars (2)

Topics in dentistry presented by various lecturers, including color in dentistry, atypical preparations, practice management, pedodontics, temporomandibular problems, oral surgery.

IDPJ 850 Conjoint Dental Seminars (2)

Topics in dentistry presented by various lecturers, including oral surgery, restorative dentistry, practice management, dental emergencies, diagnostic case presentation.

IDPP 752 Removable Partial Denture Design (1)

Rationale and mechanics of proper designs for removable partial dentures, using a cast-metal framework. Discussion of numerous design options, with the comparative advantages, applications, and limitations.

IDPE 764 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.

IDPO 531 Clinical Oral Pathology (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.

IDPS 752 Pain Control and Psychosedation (2)

Control of fear, anxiety, and apprehension in patients. Theory of respiratory and cardiovascular physiology. Theory and clinical training in the use of intravenous psychosedation and nitrous oxide/oxygen-inhalation sedation techniques as adjuncts to local anesthesia.

IDPR 845 Scientific Investigation (4)

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.

IDPC 825 General Clinics (6, 8)

The first two quarters of IDP general clinic.

IDPC 835 General Clinics (14, 12)

Third and fourth quarters of IDP general clinic.

IDPC 845 General Clinics (10, 12)

The final two quarters (fifth and sixth) of IDP general clinic.

RELF 706 SDA Beliefs and Life (2)

Study of the fundamental tenets of Adventist faith and of the lifestyle which such faith engenders.

RELF 717 Christian Beliefs and Life

Introduction to what is basic to Christianity in terms of beliefs and lifestyle.

V

ADVANCED DENTAL 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, D.D.S., Associate Dean, Advanced Education, School of Dentistry;
Coordinator, Graduate Programs in Dentistry, Graduate School

GENERAL INFORMATION

The School of Dentistry offers advanced-education programs in specialty and non-specialty areas of dentistry. Graduate degrees—master's 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, those interested should contact the individual program director.

PROGRAMS

Advanced dental education programs leading to a specialty certificate and additionally to the Master of Science degree are offered in endodontics, oral and maxillofacial surgery, pediatric dentistry, periodontics, and prosthodontics. Those applying to the orthodontics and dentofacial orthopedics advanced education program are usually accepted into both the advanced education and the M.S. degree programs at the same time. 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 post-graduate 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 subject 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 and 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). Those applying to the orthodontics and dentofacial orthopedics advanced education program are usually accepted into both the advanced education and the M.S. degree programs at the same time. 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.

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 are set prior to each academic year. Tuition and fees quoted in this BULLETIN are for the academic year 1999-2000.

Advancement to candidacy

The student desiring to qualify for a master's degree should petition the Graduate School Council for advancement to candidacy no later than the close of the first academic year. At the same time, the student must submit a proposed thesis topic, an outline, and a comprehensive bibliography, as approved by the major professor. If credentials and proposals are acceptable, the student is advanced to candidacy; and a guidance and examining committee of no less than three members must be named.

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.

DENTAL ANESTHESIOLOGY

JOHN W. LEYMAN, Director, Advanced Education Program

PROGRAM DESCRIPTION

This two-year, postdoctoral graduate training program is offered to dentists who desire to pursue a career in anesthesiology for dentistry. The educational design of this 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 dentist anesthesiologist will be eligible to take the diplomate examination of the American Dental Board of Anesthesiology and to apply for a general anesthesiologist permit in any state of the United States.

FACULTY

David L. Anderson

Michael Mashni
Sunjun James Park
Larry D. Trapp

APPLICATION DEADLINE

Applications for July positions should be submitted no later than November 15 of the preceding year. Applications for January positions should be submitted by May 15 of the preceding year.

TUITION (1999-2000)

No additional tuition is required. Insurance and fees are \$226.67 per quarter.

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 (9)

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) (1-2)

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

ANES 697 Research (arranged) (1)

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

ENDODONTICS

MAHMOUD TORABINEJAD, Director, Advanced Education Program

PROGRAM DESCRIPTION

The goal of the advanced education program in endodontics is to prepare students for the practice of this dental specialty. The program is designed to:

1. Provide a comprehensive study of the biomedical sciences, with emphasis on their relationship to endodontics.
2. Prepare dentists for the proficient treatment of both uncomplicated and complicated cases.
3. Provide experience in research and teaching to encourage continued professional growth and development after graduation.

A minimum of two years of general-practice experience is required prior to entering the program. The program begins in July and requires two years in residence for the specialty certificate.

Following enrollment into the program, students may apply for acceptance to the Graduate School for a master's degree in addition to the specialty certificate. The application must be supported by a letter of recommendation from the program director. Acceptance into the master's degree program may extend the length of study approximately one additional year. The additional time must be in residence.

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

FACULTY

James H. Simon

APPLICATION DEADLINE

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

TUITION (1999-2000)

Tuition is \$6,100 per quarter and includes insurance and fees. In addition, there is a \$1,200 fee for the course GRDN 632 Basic Microsurgery Technique (2 units).

REQUIRED COURSES

ENDN 534 Endodontic Treatment Conference (12)
Designed to evaluate and discuss diagnosis, treatment plans, prognosis, and outcome of endodontic treatment cases.

ENDN 601 Principles of Endodontics (12)
Comprehensive study of various aspects of endodontics.

ENDN 604 Literature Seminar in Endodontics (12)
Review of literature pertaining to the principles and practice of endodontics.

ENDN 625 Clinical Practice in Endodontics (1000-1300 clock hours)
Designed to gain practice and experience in all aspects of endodontics. Emphasis placed on obtaining experience in treating complex endodontic cases.

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

ENDN 697 Research (arranged)

ENDN 698 Thesis (2)

NONDEPARTMENTAL REQUIRED COURSES

GRDN 509 Research and Statistics I (3)

GRDN 531 Applied Surgical Anatomy (2)

GRDN 601 Practice Management (2)

GRDN 604 Topics in Medicine and Hospital Protocol (2)

GRDN 607 Research and Statistics II (3)

GRDN 609 Professional Ethics (2)

GRDN 622 Biomedical Science I (4)

GRDN 623 Biomedical Science II (4)

GRDN 632 Basic Microsurgery Technique (2)

ORPA 531 Clinical Oral Pathology (2)

ORPA 533 Radiology (2)

RELE ___ Religion elective (3)

IMPLANT DENTISTRY

JAIME L. LOZADA, Director, Advanced Education Program

PROGRAM DESCRIPTION

The graduate program in implant dentistry leads to a certificate or 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.

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

FACULTY

David Abensur
Ricardo Alvarez
Milos Boskovic
Nicholas Caplanis
Manuel Chanavaz
Robert Gougaloff
Oliver Hanisch
Babak Hosseini
Kee-Sung Kay

Louis Kircos
S. Alejandro Kleinman
Judson Klooster
Carla Lidner
Jaime Lozada
Carl Misch
Winston Nethery
Kitichai Rungcharassaeng
Pascal Valentini
Peter Wohrle

APPLICATION DEADLINE

Application for admission should reach the School by October 15 of the year prior to the year of intended enrollment.

TUITION (1999-2000)

During the first quarter of the program, only insurance and student fees are charged (1999-2000 rate is \$226.67). First-year students in quarters two through five (Summer, Autumn, Winter, Spring) pay regular tuition, which includes fees. The 1999-2000 tuition is \$6,100 per quarter. In addition, there is a \$1,200 fee for the course GRDN 632 Basic Microsurgery Technique (2 units). The remaining quarter's tuition is expected to be about 5 percent higher per year.

REQUIRED COURSES**IMPD 533 Applied Radiology for Implant Dentistry (1.5)**

Fundamental aspects of radiology imaging as part of the diagnosis and treatment.

IMPD 561 Dental Bioengineering (2)

Study of structures and properties of dental implant materials and implant prosthodontic superstructures.

IMPD 601 Literature Review in Implant Dentistry (22)

Review of historical and/or fundamental implant dentistry literature.

IMPD 604 Current Literature Review in Implant Dentistry (20)

Provides a deeper understanding of the research and literature currently available.

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)

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 clinical diagnosis and treatment of patients who may benefit from implant dentistry therapy.

IMPD 631 Oral Implant Surgery (10)

Instruction in basic and advanced implant surgery principles.

IMPD 634 Diagnosis and Treatment Planning in Implant Dentistry (1)

Didactic and clinical aspects of diagnosis and treatment planning for patients with complex dental problems.

IMPD 637 Peri-Implant Histopathology (1)

Increases understanding of the implant interface and biological changes which 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 697 Research (8)**IMPD 698 Thesis (1)****NONDEPARTMENTAL REQUIRED COURSES****ANES 521 Principles of Medicine, Physical Diagnosis, and Hospital Protocol (section II) (2)****ANES 546 General Anesthesia (section II) (9)****ANES 547 Anesthesia Grand Rounds (section II) (1)****ANES 604 Anesthesia Literature Review (section II) (1)****GRDN 509 Research and Statistics I (3)****GRDN 545 Clinical Nutrition in Dentistry (2)****GRDN 607 Research and Statistics II (M.S. degree only) (3)****GRDN 609 Professional Ethics (2)****GRDN 622 Biomedical Science I (4)****GRDN 623 Biomedical Science II (4)****GRDN 632 Basic Microsurgery Technique (2)****GRDN 651 Scientific Writing (2)****ORSR 512 Clinical Oral and Maxillofacial Surgery and Implant Dentistry (132 clock hours)****ORSR 604 Literature Review in Oral and Maxillofacial Surgery (1)****PERI 604 Current Periodontal Literature (8)****PERI 625 Clinical Practice in Periodontics (176 clock hours)****PROS 500 Current Prosthodontic Literature Review (8)****PROS 505 Patient Presentation Seminar (7)****PROS 507 Allied Specialties Seminars (2)****PROS 510 Clinical Practice of Prosthodontics (440 clock hours)****PROS 546 Occlusion and Morphology (2)****PROS 547 Occlusion: Principles and Instrumentation (2)****PROS 555 Removable Partial Prosthodontics, Lecture (2)****PROS 565 Complete Denture Prosthodontics, Lecture (2)****PROS 575 Fixed Partial Prosthodontics, Lecture (2)****PROS 576 Advanced Fixed Partial Prosthodontics I (MC esthetics) (2)****PROS 577 Advanced Fixed Partial Prosthodontics II (all-ceramic esthetics) (2)****PROS 585 Implant Prosthodontics (2)****PROS 595 Maxillofacial Prosthetics (2)****PROS 637 Geriatric Dentistry (1)****RELE ___ Religion elective (3)**

ORAL AND MAXILLOFACIAL SURGERY

WAYNE K. TANAKA, Actions Director, Advanced Education Program

PROGRAM DESCRIPTION

The advanced education program in oral and maxillofacial surgery is designed to prepare the dentist for the practice of the specialty and provide the foundation for the continued acquisition of knowledge and skills. Clinical surgical health care delivery is emphasized. The student is introduced to research methodology and teaching 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 Accreditation and is designed to prepare the surgeon for certification by the American Board of Oral & Maxillofacial Surgery.

A minimum of four calendar years in residence is required, with the beginning date of July 1. Also, a license to practice in California is required.

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

FACULTY

Wilson Baugh
Philip J. Boyne
Lorenz F. de Julien
Liviu F. Eftimie

Michael E. Fox
Keith D. Hoffman
Edward Marshall
James Sellas
Dale E. Stringer
Harvey Zalsman

APPLICATION DEADLINE

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

TUITION (1999-2000)

Tuition is \$2,500 per quarter for the first three years, including insurance and fees. Fourth-year residents will pay only \$307 per quarter for insurance and fees.

REQUIRED COURSES**ORSR 524 Applied Cephalometrics for Oral Surgeons (2)**

Construction of progress cephalometric tracings and use of superimposition to evaluate and revise a treatment plan. Students evaluate progress of their clinic patients.

ORSR 531 Oral and Maxillofacial Surgery I (first-year residency) (12)

Principles of dento-alveolar technique and the surgical treatment of oral diseases studied. Minor surgery procedures performed under local anesthesia and intravenous sedation. Residents introduced to ambulatory general anesthesia. Treatment of emergencies in oral and maxillofacial surgery practice. Mastery of hospital procedures. Assistance with staff hospital cases. Attendance at specified seminars, conferences, special lectures, and rounds in the Medical Center emphasized. Off-service rotation to other surgical and medical services required.

ORSR 532 Oral and Maxillofacial Surgery II (second-year residency) (32)

Residents participate as assistant surgeons in planning and performing major oral and maxillofacial surgery procedures and in managing the hospitalized patient. Diagnosis and treatment of fractures of the facial bones, facial osseous reconstruction, and orthognathic surgery studied. Continuation of training in ambulatory general anesthesia for oral and maxillofacial surgery. Rotations continue to other medical and surgical services in the Medical Center. Attendance required at specified seminars, conferences, special lectures, and rounds.

ORSR 533 Oral and Maxillofacial Surgery III (third-year residency) (32)

Residents trained in advanced treatment of 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 arthroscopy and arthroplasty, osseous grafting of postresection and posttraumatic maxillofacial defects. Study continues in the application of general anesthesia to ambulatory-outpatient surgery patients. Students trained in assuming full responsibility for all aspects of the oral and maxillofacial surgery practice.

ORSR 534 Oral and Maxillofacial Surgery IV (fourth-year residency) (32)

Research and advanced clinical training in the subspecialty areas of oral and maxillofacial surgery, as well as training through off-service rotations with plastic and reconstructive surgery, head and neck surgery, anesthesiology, and implant dentistry.

ORSR 535 Principles of Medical History, Physical Examination, and Pathophysiology (6)

Study of methods for obtaining a medical history and physical examination. Specific topics include review of organ systems and associated pathology (physical and laboratory), hospital protocol, and charting.

ORSR 601 Surgical Oral Pathology Conference (3)

Recent oral pathology laboratory cases used as the basis for review and discussion of the common and ominous lesions that are encountered in a dental specialty clinical practice. Differential diagnosis and patient management emphasized.

ORSR 604 Literature Review in Oral and Maxillofacial Surgery (12)

Clinical review of present and past literature dealing with pertinent oral and maxillofacial surgical problems.

ORSR 641 The Application of Surgical Principles to Orthognathic Surgery (7)

Seminar course emphasizing preoperative diagnosis, planning, intraoperative procedures, and postoperative care of orthognathic patients. Description of congenital and developmental deformities and emphasis on all aspects of surgical-orthodontic patient management.

ORSR 654 Practice Teaching in Oral and Maxillofacial Surgery (8)

Experience in teaching the undergraduate dentistry student.

ORSR 697 Research (8)**ORSR 698 Thesis (M.S. degree only) (2)****NONDEPARTMENTAL REQUIRED COURSES****GRDN 531 Applied Surgical Anatomy (2)****GRDN 601 Practice Management (2)****GRDN 622 Biomedical Science I (4)****GRDN 623 Biomedical Science II (4)****ORPA 531 Clinical Oral Pathology (2)****RELE ___ Religion elective (3)**

ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

JOSEPH M. CARUSO, Director, Advanced Education Program

PROGRAM DESCRIPTION

The graduate program in orthodontics and dentofacial orthopedics 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 student 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's 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

Craig A. Andreiko
 J. Milford Anholm
 Ruel W. Bench
 Gunther Blaseio
 Joseph M. Caruso
 Bernard C. Chang
 Alden B. Chase
 Earl R. Crane
 Ivan Dus
 William J. Emmerson
 Michael J. Fillman
 Daniel A. Flores
 Nelson R. Gatov
 Duane C. Grummons
 Bruce S. Heinrich
 Robert J. Homer
 David Jae-Kwan Jo
 Gary Kevorkian
 V. Leroy Leggitt

Anthony B. Lier
 Robert D. Mitchell
 Raed Z. Moussa
 Henry I. Nahoum
 Roland D. Neufeld
 Lee E. Olsen
 Ronald Clark Parker
 Robert M. Ricketts
 Thomas L. Robertson
 R. David Rynearson
 Willis L. Schlenker
 Laurence A. Seifert
 Richard A. Simms
 Peter F. Strand
 Raymond M. Sugiyama
 Guy D. Taylor
 Stephen G. Tracey
 Roland D. Walters
 James R. Wise
 James Young

APPLICATION DEADLINE

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

TUITION (1999-2000)

Tuition is \$6,100 per quarter and includes insurance and fees.

REQUIRED COURSES**ORDN 524 Introduction to Graduate Orthodontics (12)**

Lecture course outlining the principles of applied design, the application of forces to produce tooth movement, and the 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.

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

Selected laboratory projects to enhance the didactic portion of the course.

ORDN 525 Materials Science and Mechanics (2)

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

ORDN 527 Clinical Photography (1)

Clinical proficiency in intra-oral and extra-oral photography. Discussion and use of photographic equipment and techniques on orthodontic patients. Camera, lens, and flash required.

ORDN 535 Advanced Cephalometrics (2)

Cephalometrics from a histological 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 sub-cellular 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)

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 subspecialties of orthodontics.

ORDN 591 Current Orthodontic Literature II (2)
Presentation of current papers in various subspecialties of orthodontics.

ORDN 597 Orthognathic Surgery Theory and Literature Review (2)

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

ORDN 604 Seminar in Orthodontics (1)

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. Practice management.

ORDN 606 Craniofacial Genetics (2)

Basic genetics. Introduction to craniofacial clinic.

ORDN 625 Clinical Practice in Orthodontics (1400 clock hours)

Diagnosis and treatment of assigned patients.

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)

Seminar course created primarily 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 (3)

Experience in teaching clinical orthodontics to predoctoral dental students.

ORDN 655 Temporomandibular Function and Dysfunction (2)

The temporomandibular joint in health and in disease or dysfunction. 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 (5)

Presentation of finished orthodontic cases to faculty and residents. Preparation for the American Board of Orthodontics.

ORDN 697 Research (12)**ORDN 698 Thesis (3)**

NONDEPARTMENTAL REQUIRED COURSES

GRDN 509 Research and Statistics I (3)

GRDN 526 Applied Anatomy (2)

GRDN 601 Practice Management (2)

GRDN 607 Research and Statistics II (3)

GRDN 609 Professional Ethics (2)

GRDN 623 Biomedical Science II (5)

ORPA 531 Clinical Oral Pathology (2)

ORSR 641 The Application of Surgical Principles to Orthognathic Surgery (2)

RELE ___ 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 student 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 student 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, students may apply for acceptance to the Graduate School for a master's degree in addition to the specialty certificate. The application must be supported by a letter of recommendation from the program director. Acceptance into the master's degree program may extend the length of study.

FACULTY

Craig A. Andreiko
J. Milford Anholm
Ruel W. Bench
Gunther Blaseio
Joseph M. Caruso
Bernard C. Chang
Alden B. Chase
Earl R. Crane
Ivan Dus
William J. Emmerson
Michael J. Fillman
Daniel A. Flores
Nelson R. Gatov
Duane C. Grummons
Bruce S. Heinrich
Robert J. Homer
David Jae-Kwan Jo
Gary Kevorkian
V. Leroy Leggitt

Anthony B. Lier
Robert D. Mitchell
Raed Z. Moussa
Henry I. Nahoum
Roland D. Neufeld
Lee E. Olsen
Ronald Clark Parker
Robert M. Ricketts
Thomas L. Robertson
R. David Rynearson
Willis L. Schlenker
Laurence A. Seifert
Richard A. Simms
Peter F. Strand
Raymond M. Sugiyama
Guy D. Taylor
Stephen G. Tracey
Roland D. Walters
James R. Wise
James Young

APPLICATION DEADLINE

Application for admission should reach the School by November 15 of the year prior to the year of intended enrollment.

TUITION (1999-2000)

Tuition is \$6,100 per quarter and includes insurance and fees.

REQUIRED COURSES

- PEDN 503 Pediatric Dental Seminar I (4)**
Selected clinical topics in pediatric dentistry.
- PEDN 504 Pediatric Dental Seminar II (2)**
Selected clinical topics in pediatric dentistry.
- PEDN 505 Pediatric Dental Seminar III (4)**
Selected clinical topics in pediatric dentistry.
- PEDN 506 Pediatric Dental Seminar IV (4)**
Selected clinical topics in pediatric dentistry.
- PEDN 508 Pediatric Hospital Dentistry Seminar (4)**
Hospital protocol and the care of patients in a hospital environment.
- PEDN 524 Introduction to Orthodontics (2)**
Diagnosis and treatment planning for clinical orthodontics.
- PEDN 524L Introduction to Orthodontics, Laboratory (160 clock hours)**
Fabrication of various orthodontic appliances.
- PEDN 546 General Anesthesia Clinic (4.8)**
Experience in general anesthesia in a hospital setting.
- PEDN 601 Pediatric Dental Practice Management (2)**
Establishing and operating a pediatric dental practice.
- PEDN 604 Pediatric Dental Literature (12)**
Pediatric dental literature study, including the reading list of the American Board of Pediatric Dentistry.
- 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 Practice Teaching for Pediatric Dentistry (5)**
Experience in teaching pediatric dentistry in a clinical and laboratory setting.

NONDEPARTMENTAL REQUIRED COURSES

- GRDN 509 Research and Statistics I (3)**
- GRDN 531 Applied Surgical Anatomy (2)**
- GRDN 604 Topics in Medicine and Hospital Protocol (2)**
- GRDN 607 Research and Statistics II (3)**
- GRDN 609 Professional Ethics (2)**
- GRDN 622 Biomedical Sciences I (4)**
- GRDN 623 Biomedical Sciences II (4)**
- ORPA 531 Clinical Oral Pathology (2)**
- ORPA 533 Radiology (2)**
- ORDN 545 Growth and Development (3)**
- ORDN 554 Physiology and Pathology of Speech (2)**
- ORDN 606 Craniofacial Genetics (2)**
- ORDN 608 Physiology and Pathology of Speech (1)**
- RELE ___ Religion elective (3)**

ELECTIVES

- PEDN 680 Elective Study for Advanced Education Students of Pediatric Dentistry (12)**
Topics selected by students in the advanced-education program in pediatric dentistry and by department faculty.
- PEDN 697 Research in Pediatric Dentistry (9)**
- PEDN 698 Thesis (arranged)**

PERIODONTICS AND IMPLANT SURGERY

MAX CRIGGER, Director, Advanced Education Program

PROGRAM DESCRIPTION

The advanced education program in periodontics and implant surgery leads to a certificate in periodontics with an optional Master of Science degree.

The three-year program prepares the student for a specialty practice in periodontics and provides the basis for continuing professional development. The program includes didactic, clinical, and research components. The program's didactic emphasis is placed on a biologic understanding of pathologic and therapeutic processes and is based on the respective pertinent literature. The clinical training emphasizes the latest surgical technology, instruments, and devices. The program is committed to implant surgery training to the level of independent competency.

The Master of Science degree additionally requires the student to complete one or more research projects and to be involved in predoctoral clinical and didactic teaching activities. The Master of Science degree prepares residents for academic careers in periodontal research and teaching.

A minimum of thirty-six months in residence is required beginning in July. The program fulfills the requirements for eligibility and emphasizes, prepares, and encourages the student to proceed to completion of certification by the American Board of Periodontology.

FACULTY

Thomas S. Adamich
Gary C. Bogle
Paul Chu
J. Paul Fuentes
Bernard G. Gantes

Dale R. Johnstone
Michael Lee
Peter Nordland
Richard K. Parris
Julie A. Sugita
Dimitris N. Tatakis
Jason M. Yamada

APPLICATION DEADLINE

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

TUITION (1999-2000)

Tuition is \$6,100 per quarter and includes insurance and fees.

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 (8)

Review of the literature which forms the basis for current concepts of the etiology and pathogenesis of periodontal diseases.

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 which forms the basis for current concepts of the treatment of periodontal diseases.

PERI 604 Current Periodontal Literature (24)

Review of the most recent issues considered in periodontal scientific journals.

PERI 605 Literature Review of Implant Dentistry for Periodontics

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 625 Clinical Practice in Periodontics (1500 clock hours)

Clinical experience in the diagnosis and treatment of periodontal diseases.

PERI 626 Clinical Practice in Oral Implant Surgery

Clinical experience in the diagnosis and treatment regarding implant surgery.

PERI 634 Clinical Conference (12)

Case management conference to assist the student in diagnosis, treatment planning, and management of periodontal diseases and surgical implant dentistry.

PERI 654 Practice Teaching in Periodontics (4)
Experience in teaching the predoctoral dental student.

PERI 697 Research (arranged)

PERI 698 Thesis (arranged)

NONDEPARTMENTAL REQUIRED COURSES

ANES 548 Anesthesia Residents Seminar (2)

ANES 604 Anesthesia Literature Review (1)

ANES 622 Conscious Sedation Techniques (1)

GRDN 509 Research and Statistics I (3)

GRDN 531 Applied Surgical Anatomy (2)

GRDN 545 Clinical Nutrition in Dentistry (2)

GRDN 601 Practice Management (2)

GRDN 604 Topics in Medicine and Hospital Protocol (2)

GRDN 607 Research and Statistics II (3)

GRDN 609 Professional Ethics (2)

GRDN 622 Biomedical Science I (4)

GRDN 623 Biomedical Science II (4)

GRDN 632 Basic Microsurgery Technique (2)

IMPD 561 Dental Bioengineering (2)

IMPD 637 Peri-Implant Histopathology (1)

ORPA 531 Clinical Oral Pathology (2)

ORPA 533 Radiology (2)

RELE ___ Religion elective (3)

PROSTHODONTICS

WAYNE CAMPAGNI, Director, Advanced Education Program

PROGRAM DESCRIPTION

The advanced education program in prosthodontics is designed to increase the knowledge base and clinical and laboratory skills of the student 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 the students and faculty of other graduate programs are designed to prepare the student 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 program or thirty-six months or more to complete the master's degree.

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

FACULTY

D. Guillermo Bernal
Tony Daher
Charles J. Goodacre
John B. Holmes

Joseph Y. K. Kan
Daniel Kantarovich
Gale D. Kloeffler
W. James Nethery

APPLICATION DEADLINE

Application for admission should reach the School by October 15 of the year prior to the year of intended enrollment.

TUITION (1999-2000)

Tuition is \$6,100 per academic quarter and includes insurance and fees. Does not include instruments and textbooks.

REQUIRED COURSES**PROS 500 Prosthodontic Literature Review (14)**

Discussion of assigned topics from classic and current prosthodontic and related literature, led by students and moderated by faculty member in charge.

PROS 501 Removable Partial Prosthodontic Literature Review (14)

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 (14)

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) (7)

Patient treatment presentations, discussion of alternate methods of rehabilitation, and related literature.

PROS 507 Allied Specialties Seminar (Endo, Perio, Ortho, Radiology, Oncology, ENT, Plastics, Oral and Maxillofacial Surgery) (1)

Combined course of lectures, seminars, and short observational rotations to clinical areas of both dentistry and medicine that impact the clinical practice of prosthodontics.

PROS 510 Clinical Practice of Prosthodontics (2000-2400 clock hours)

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

PROS 515 Practice Teaching in Prosthodontics (3-4)

Teaching experience in the areas of fixed and removable prosthodontics.

PROS 525 Dental Materials Science (2)

The elements of materials science presented. 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)

Clinical application and manipulation of dental materials. Specific clinical problems identified. Behavior of materials explained through the acquired knowledge of basic properties.

PROS 546 Occlusion and Morphology (2)

Lecture, seminar, and laboratory course 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 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/seminar course covering the treatment of immediate dentures and overdentures, 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 577 Advanced Fixed Partial Prosthodontics II (all-ceramic esthetics) (2)

Advanced clinical and laboratory procedures, with emphasis on all-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 634 Diagnosis and Treatment Planning (8)

Didactic and clinical aspects of diagnosis and treatment planning for patients with complex dental problems.

PROS 637 Geriatric Dentistry (1)

Lectures selected to enhance the knowledge base in the expanding area of elder care. Complications resulting when the elderly with chronic diseases are treated with multiple-drug regimens.

PROS 697 Research (7)**PROS 698 Thesis (arranged)****NONDEPARTMENTAL REQUIRED COURSES****GRDN 509 Research and Statistics I (3)****GRDN 531 Applied Surgical Anatomy (2)****GRDN 545 Clinical Nutrition in Dentistry (2)**

GRDN 555 TMJ Function and Dysfunction (1)
 GRDN 601 Practice Management (2)
 GRDN 604 Topics in Medicine and Hospital Protocol (2)
 GRDN 607 Research and Statistics II (3)
 GRDN 609 Professional Ethics (2)
 GRDN 622 Biomedical Science I (4)
 GRDN 623 Biomedical Science II (4)
 GRDN 632 Basic Microsurgery Technique (2)
 GRDN 651 Scientific Writing (2)

ORPA 531 Clinical Oral Pathology (2)
 IMPD 533 Applied Radiology for Implant Dentistry (1)
 IMPD 561 Dental Bioengineering (2)
 PERI 601 Periodontal Therapy (2)
 IMPD 604 Current Literature Review in Implant Dentistry (2)
 IMPD 611 Introduction to Implant Dentistry (2)
 IMPD 631 Oral Implant Surgery (1/quarter, 3 quarters)
 RELE __ Religion elective (3)



VI

FACULTY OF RELIGION

Mission Statement

Courses

Religion Electives

Faculty of Religion

MISSION STATEMENT

The Faculty of Religion is committed to the following four tasks as informed by the teachings and practice of the Seventh-day 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, mission, and historical).
 - 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

DENTISTRY

FOUNDATIONAL STUDIES

RELF 717 Christian Beliefs and Life

Introduction to what is basic to Christianity in terms of beliefs and lifestyle.

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, particularly the spiritual story and principles that led to the founding of LLU and of the School of Dentistry.

The following four courses are designed to broaden the student's understanding of basic Christian faith, invite spiritual commitment, and enhance respect for the religious and spiritual heritage of others. Offered junior year, Winter Quarter.

Choose one of the following four courses:

RELF 713 Christian Spirituality (2)

Study of Scripture and Christian thought on how a person's spiritual life is formed and matured.

RELF 714 Comparative Religious Experience (2)

Examination of the religious experience held by adherents of various Christian confessions.

RELF 726 The Mission and Message of Jesus (2)

Study of the healing ministry and message of Jesus with an exploration of their practical implications for health professionals.

RELF 738 Faith, Righteousness, and Salvation (2)

Meaning and scope of the central biblical teaching of righteousness and salvation by faith in Jesus Christ.

ETHICAL STUDIES

RELE 734 Christian Ethics for Dentists (2)

Ethical issues in contemporary dentistry. Christian resources for ethical decision making. Christian bases for moral convictions and actions. Central documents of the dental profession, such as the ADA Code of Ethics.

RELATIONAL STUDIES

RELR 715 Christian Dentist in the Community (2)

A fourth-year capstone course focusing on Christian leadership in the local church, surrounding community, and the larger society. Practical development of leadership skills. Interdisciplinary integration of earlier elements of religion curriculum.

RELR 749 Personal and Family Wholeness (2)
 Personal spiritual development as the center for individual and family life and professional practice. Builds on LLU view of wholeness as a multidimensional unity. Special attention to forming healthy family relationships and balancing personal relationships and professional obligations.

RELR 764 Christian Perspectives on Marriage and the Family (2)
 From a Christian perspective, an overview of the family lifecycle from courtship to death.

RELR 775 The Art of Integrative Care (2)
 Spiritual care of patients and their families. Practice of Christian witness. Art of treating the patient as a whole person. Principles and practical applications of whole-person care, as understood at LLU.

DENTAL HYGIENE

JUNIOR YEAR

RELE 457 Christian Ethics and Health Care (2)
 Ethical issues in modern medicine and related fields from the perspective of Christian thought and practice. Topics determined in part by students' professional orientations and interests.

Choose one of the following four courses:

RELF 406 SDA Beliefs and Life (2)
 Fundamental tenets of Adventist faith and the lifestyle which such faith engenders.

RELF 423 Loma Linda Perspectives (2)
 History and philosophy of Loma Linda University as a Christian health-sciences institution that fosters human wholeness.

RELF 436 The Adventist Heritage of Religion and Health (2)

Origin and development of Seventh-day Adventist interest in health, from the background of nineteenth-century medicine and health reform to the present.

RELF 437 Current Issues in Adventism (2)

Selected theological, ethical, and organizational questions of current interest in Adventism, with the goal of preparation for active involvement in the life of the church.

SENIOR YEAR

RELF 475 Spirituality and the Contemporary Christian (2)

Study of those disciplines which contribute to spiritual formation in one's life. Particular emphasis upon the meaning, forms, and functions of prayer in Scripture; the Christian tradition; and Christianity in an age of science.

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

From a Christian perspective, an overview of the family lifecycle from courtship to death.

RELIGION ELECTIVES

Additional religion courses are available as electives. For a complete listing of faculty and courses (numbers, titles, and descriptions), please see the Faculty of Religion BULLETIN, which may be obtained from the Office of the Dean of the Faculty of Religion.

VII

DIVISION OF GENERAL STUDIES

LLU Philosophy of General Education
Criteria for a General Education Course
General Education Requirements
General Education Courses Available

Division of General Studies

The Division of General Studies, directed by the dean of the Graduate School, coordinates the offering of courses that apply to the Associate in Arts and Bachelor of Science degree programs in the Schools of Nursing, Dentistry, Allied Health Professions, and Public Health as well as in the Graduate School. These courses contribute to the fulfillment of general education requirements as revised by Loma Linda University in 1998.

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 multicultural world.

General education at Loma Linda University is therefore unique. 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 which is grounded in Christian principles. Thus, 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 environ-

ment 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.

CRITERIA FOR A GENERAL EDUCATION COURSE

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 B. S. degrees.
2. The course contributes to relevant knowledge and understanding within one of the domains described in the Loma Linda University general education requirements, expected of a health sciences B.S. graduate entering today's society.
3. The course reflects an area of content within the domains described in the Loma Linda University General Education requirements that is global to the health-sciences professions, and it is open to all appropriately prepared B.S. degree students of Loma Linda University for General Education credit.
4. The course is based on appropriate prerequisites, particularly when offered at the upper-division level.
5. Courses transferred to Loma Linda University for General Education credit from another accredited institution must fall within one of the domains described in this University's General Education requirements for the B.S. degree and/or must ordinarily be approved for such credit at the other institution.
6. The primary focus of the course deals with the knowledge and understanding of a subject area within one of the domains described in the following Loma Linda University general education requirements for B.S. degrees.

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 with the entire undergraduate program. Requirements are organized into five domains, as outlined below.

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

Study of spiritual heritage must include a minimum of four (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 the Seventh-day Adventist institution.

The study of cultural heritage must include a minimum of 12 credits and must include one course, or components integrated in several courses, dealing specifically with issues of human diversity among peers. The remainder of credits in cultural heritage may be selected from 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 encompasses both the natural and social sciences. Content areas from which students must choose 12-16 credits within the natural sciences include biology, chemistry, geology, mathematics, physics, and statistics. No more than 6 credits in any one area may

count toward the natural sciences requirements. Study of social sciences must include 12-16 credits in two or more of the following content areas: anthropology, economics, geography, political science, psychology, and sociology.

DOMAIN 3: COMMUNICATION (9-13 quarter credits)

Course work in communication must include a complete sequence in freshman English which meets the baccalaureate degree requirements of a four-year college or university. 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 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 above-listed domains may be selected to complete the general education minimum requirements of 68 quarter credits.

GENERAL EDUCATION COURSES AVAILABLE

Courses offered at this University to meet general education or elective requirements are listed in the *Loma Linda University General Education Philosophy Requirements and Courses* booklet. These courses should be selected in consultation with the student's adviser.

General education courses may also be taken at La Sierra University through the affiliation agreement. Descriptions for these courses appear in the catalog of La Sierra University and will appear on the transcript as Loma Linda University courses taken in affiliation with La Sierra University.



VIII

THE DIRECTORY

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Alumni Federation

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To Communicate with LLU by Phone, FAX, Web Site,
and Mail/Email

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GEORGE LESSARD, Ph.D., Director of Research Planning

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STUDENT ISSUES

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ADVISORY**

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NOMINATING**OUTCOMES****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
ORSR	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 F., DDS	RESD	Caruso, Joseph M., DDS, MS	#ORDN
Abedi, Hamid Reza, BDS	ENDN	Castro, Sylvia R., BS	DNHY
Adamich, Thomas S., DDS	PERI	Cecchini, Silvia C. M., DDS	ODRP
Alvarez, Ricardo, DDS	RESD-IMPD	Chan, Alex Chieh-Chang, DDS	RESD-IDP
Anderson, David L., DDS	#ANES	Chan, Gary Hilton, DDS	ANES
Andreiko, Craig A., DDS, MS	ORDN	Chanavaz, Manual, DDS, MD, MS	RESD
Anholm, J. Milford, DDS, MS	ORDN	Chang, Bernard C., DDS, MS	ORDN
Appleton, Stanton S., DDS, MSD, MPH	ODRP	Chase, Alden B., DDS, MS	ORDN
Arnett, G. William, DDS	ORSR	Chin, Martin, DDS	ORSR
Arnett, R. Leslie, DDS, MS	PERI-IDP	Cho, James S., DDS, MS	RESD
Aronovitz, Robert, DDS, MS	PERI	Choi, Andrea K., DDS	RESD
Avila, Harold C., DDS	ODRP	Christensen, Heidi L. V., DDS	ODRP
		Chu, Paul, DDS	PERI
Bailey, Donald W., DDS	RESD-IDP	Chung, Joosung Sam, DMD, PhD	RESD
Bailey, John Hullet, DDS	RESD	Clark, Dennis E., DDS, MS	ODRP
Bakland, Leif K., DDS	#ENDN	Clem, Donald S., III DDS	PERI
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Bass, Robert L., DDS	ORSR	Clifton, Bret D., DDS	RESD
Baugh, Wilson, DDS	ORSR	Coleman, Melvin A., DDS	ENDN
Baum, Lloyd, DMD, MS	RESD-IDP	Corcoran, Lynn L., MPH	PERI-IDP
Baylink, David J., MD	ORSR	Correll, Ralph W., DDS	ODRP
Beglau, Donald L., DDS	RESD	Cotter, Stephen L., DDS	ANES
Beltz, Richard E., Ph.D.	BCHM	Cowley, Peter M., DDS	ORSR
Bench, Ruel W., DDS	ORDN	Crane, Earl R., DDS, MS	ORDN
P. Guillermo Bernal		Crawford, James M., DDS, MPH	DNES
Berry, Frederick A., DDS	RESD	Creech Jr., Joseph C. DDS	PEDN
Blank, Ronald P., DDS	ODRP	Cress, C. Raymond, PhD	PHRM
Blaseio, Gunther, DDS, MS	ORDN	Crigger, Max, DDS, MS	PERI
Bogle, Gary C., DDS, MS	PERI	Cumbo, Corby M., RDH, BS	DNHY
Bonyanpoor, Shahnaz, DMD	PEDN	Cutting, Charles M., DDS, MPH	RESD
Boskovic, Milos M., DDS	RESD		
Boss, Lenore G., BS	DNHY	Daher, Tony, DDS	RESD
Boyko, Michael P., DDS, MPH	ORSR	Dailey, Ronald J., PhD, MA	#DNES
Boyne, Philip J., DMD, MS, DSc	ORSR	D'Antonio, Linda L., PhD	ORSR
Briggs, Roger A., DDS	RESD	Davis, Sylvia, MS	DNES
Brodeur, David C., DDS	RESD	Davis, W. Howard, DDS	ORSR
Brown, Garth W., DDS	ODRP	Day, Lawrence D., DDS, MS	ANES
		De Boom, Gayle W., DDS	ODRP
Caley, James P., DDS	ANES	de Julien, Lorenz F., DDS, MSD	ORSR
Campagni, Wayne V., DMD	RESD	Dennis, David S., DDS	RESD
Campbell, James C., DDS, MDS	ORSR	Desai, Sandip J., BDS, MS	RESD
Caplanis, Nicholas, DMD, MS	RESD-IMPD	Devlin-Tiritilli, Dena M., BS	DNHY
Carmicino, Kathleen E., MBA	DNHY	Dewhirst, Floyd E., DDS	RESD
Carpenter, Mark J., DDS	DNES	Diaz, Lynn, DDS	ODRP
Carrillo, Roberto J., DDS	RESD-IDP	Dinger, Coralie L., BS	DNHY
Cartwright, Susan Lizbeth, DDS	PERI	Dohr, Mak Nai, RDH, BS	DNHY
		Domb, William C., DDS	DNES-IDP
		Dudar, Ellen B., BS	DNHY
		Duggan, D. Michael, DDS	RESD

Dunn, James R., DDS	RESD	Golden, Gary J., DDS	RESD
Dupper, Gilbert L., DDS	RESD	Golden, Gregory S., DDS	ODRP
Dus, Ivan, MD	ORDN	Goodacre, Charles J., DDS	RESD
		Gordon, Kathleen A., DDS	ANES
Egelberg, Jan H., LDS	PERI	Greenwood, John P., DDS, MBA	RESD-IDP
Eli, Bradley A., DMD	ODRP	Gridley, Daila, PhD	MICR
Eller, Cheryl, BS	DNHY	Grummons, Duane C., DDS, MSD	ORDN
Elloway, Russell K., DDS	ORSR	Guglielmoni, Paola, DDS	PERI
Ellstrom, Mervin L., DDS, MPH	PEDN	Guillen, Theresa C., BS	DNHY
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English, Charles E., DDS	RESD	Hagele, Mark, DDS	ORSR
Enjati, Mohan Moses, DDS	ORSR	Haglund, Laurel A., BS	DNHY
Erlandson, Laura, DDS	RESD	Hall, Bertin D., DDS	RESD
Erlandson, Virgil O., DDS	RESD	Hall, Raymond G., PhD	PHRM
Estey, Mark E., DDS	ODRP	Hamilton, Martin J., DDS	RESD
		Hammerslough, Rhonda D., BS	DNHY
Fahey, Leona Marie, RDH, BS	PERI	Hanisch, Oliver, DMD	RESD-IMPD
Feller, Ralph P., DMD, MPH, MS	DNES	Hansen, Floyd D., DDS	ODRP
Fillman, Michael J., DDS, MS	ORDN	Hardesty, Robert A., MD	ORSR
Fimbres, Scott J., DDS	ORSR	Hartshorn, George, DDS	DNES-IDP
Fischer, Dan E., DDS	RESD	Heinrich, Bruce S., DDS, MS	ORDN
Fitzmorris, Linda C., DDS, MS	PERI	Heisler, William H., DDS	RESD
Fitzpatrick, Michael Joseph, DDS, BS	RESD	Henken, Herbert, MD	ANAT
Flores, Daniel A., DDS, MS	ORDN	Herrera, William R., PhD	IMPD-LABTECH
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Flores, Mario, DDS	PERI	Hersh, H. Michael, DMD	PERI
Foulston, Richard M., DDS	RESD	Hickman, Donald M., DDS	RESD
Fowler, Kenneth A., DDS, MS	RESD	Ho, Howard J., DDS	IDP
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Francis, Michael, DDS	RESD	Holman, Charles M., DDS	ENDN
Frank, Alfred L., DDS	ENDN	Holmes, John B., DDS	RESD
Frank, Robert J., DDS	ENDN	Homer, Robert J., DDS, MS	ORDN
Franks, Kevin, DDS	RESD	Hooker, William M., PhD	DNES
Fraser, Ian M., PhD	PHRM	Hunt, Guy M., MD	ANAT
Friesen, Debra K., BS	DNHY	Hurlbutt, Michelle T., BS	DNHY
Fuentes, J. Paul, DDS	PERI	Hutchins, Elwin R., DDS	DNES-IDP
Gage, Arthur G., DDS	ENDN	Imamura, Glen M., DDS	RESD
Gallion, Kenneth R., DDS	ORSR	Ingersoll, Lee R., DDS	ENDN
Gantes, Bernard G., DDS, MS	PERI	Itoh, Kouichi Cliff, DDS	RESD-IMPD
Garber, David L., DDS	RESD	Iwata, Luke H., DDS	RESD
Gardner, Wren C., DDS	RESD		
Garrett, J. Steven, DDS, MS	PERI	Jackson, Courtney, DDS	RESD
Gatov, Nelson R., DDS, MS, MPH	ORDN	Janette, Adam J., DDS	ORSR
Gelman, Richard A., DDS	ORSR	Jarvis, William T., PhD	DNES
Gerger, Debra L., BS	DNHY	Javor, George T., PhD	BCHM
Godinez, Joseph B., DDS	ORSR	Jaye, Andrea F., BS	DNHY

Jerome, Charles E., DDS	ENDN	Li, Yiming, DDS, MSD, PhD	RESD
Jimenez, Jacqueline Y., BS	DNHY	Lidner, Carla, DDS	DNES
Jo, David Jae-Kwan, DDS, MS	ORDN	Lier, Anthony B., DDS, MS	ORDN
Johnson, Arthur W., DDS	RESD	Litvinoff, Gregory P., DDS	ORSR
Johnson, Ebenezer, DDS	RESD-IDP	Liu, John R., DDS	PEDN
Johnson, Michelle M., BS	DNHY	Lowe, Oariona, DDS	PEDN
Johnston, Edward P., DDS, MSD	RESD-IDP	Lozada, Jaime L., DDS	RESD-IMP
Johnstone, Dale R., DDS	PERI		
		Mace, John W., MD	PEDN, SM
Kahn, Henry, DDS	ENDN	MacLachlan, Bruce D., LLB	DNES
Kaitukoff, Susan L., BS	DNHY	Madadi, Mohammad A., DMD	RESD
Kaminishi, Ronald M., DDS	ORSR	Maeda, George, PhD	PHSL
Kan, Joseph Y. K., DDS	RESD-IMP	Maggio, Joseph D., DDS, BS	ENDN
Kantarovich, Daniel, DDS	RESD	Marshall, Edward C., DDS	ORSR
Kasischke, Fred C., DMin	DNES	Martin, Lin R., DDS	RESD
Kattadiyil, Matthew T., DDS	RESD	Mashni, Michael, DDS	ANES
Kelln, Elmer, DDS	ODRP	Mateja, Sharon, DDS	RESD
Kersten, Daniel D., DDS, MSD	DNES-IDP	Mather, Bruce R., DDS	PERI
Kettering, James D., PhD	MICR	Matthews, T. Graham, DDS	DNES
Kevorkian, Gary, DDS, MS	ORDN	McDonald, Pearl Z., BS	DNHY
Kiger, Robert D., DDS, MS	#PERI	McKee-Wister, Karla, BS	DNHY
Kim, In Chul Edward, DDS	RESD-IMP	McMillan, Paul J., PhD	ANAT
Kim, J. S. (Jay), PhD	DNES	McNicholas, Steve, DDS	ENDN
Kinzer, Robert L., DDS	RESD	Mihram, William L., DDS	PERI
Kircos, Louis T., DDS, PhD	RESD	Milledge, J. Todd, DDS	#PEDN
Klooster, Judson, DDS, MS	RESD	Misch, Carl E., DDS, MSD	RESD
Koh, Alexander, DDS	PERI	Misiek, Dale J., DMD	ORSR
Konugres, James R., DDS	RESD-IDP	Mitchell, Robert D., DDS	ORDN
Kunihira, Daniel, DDS	PERI	Molinaro, Guiseppe, MD	MICR
Kunihira, Richard Y., DDS	RESD	Morikawa, Wesley M., DDS	PEDN
		Morrow, Steven G., DDS, MS	ENDN
Lau, Kin-Hing William, PhD, BA	ORSR	Mortezaiefard, Golshan, DMD	ENDN
Lau, Virgil, MS, DDS	RESD	Moussa, Raed Z., DDS, MS	ORDN
Le, Colin T., DDS	ORSR	Munce, John C., DDS, MS	ENDN
Lee, Frank H. F., DDS	RESD-IDP	Munoz-Viveros, Carlos, DDS, MSD	RESD
Lee, Lambert T., DDS	RESD		
Lee, Michael, DDS, BS	PERI	Nahoum, Henry I., DDS	ORDN
Lee, Ming-Way, DDS	RESD-IDP	Nava, Pedro B., PhD	ANAT
Lee, Robert, DDS, MS	RESD	Naylor, William Patrick, DDS	DNES
Lee, Shirley A., BS	DNHY	Nazaroff, Leslie J., BS, MPH	PERI
Lee-Hong, Susane S., DDS	ANES	Nelson, Kevin, DDS	RESD
Leggitt, V. Leroy, DDS, MS	ORDN	Nelson, Peter C., DDS	DNES
Lemus, Pamela L., DDS	ODRP	Nemetz, Harold, DDS, AMEd	RESD-IDP
Lennan, Patricia M., RDH	DNHY	Nethery, Winston J.A., DDS	RESD
Lenoir, Leticia C., BS	DNHY	Neufeld, Roland D., DDS, MS	ORDN
Lentz, Hilbert, DDS, MS	ODRP	Nichols, Rick J., DDS	PEDN
Leonora, John, PhD	PHSL	Nick, Doyle R., DDS	RESD
Lessard, George M., PhD	DNES/BCHM	Nicola, Quint P., DDS	ODRP
Leyman, John W., DDS	ANES	Nilveus, Rolf, DDS	PERI
Li, Yen-Hui Vickie, DDS	PERI	Noghreian, Nooshin, DDS	ODRP

Noorvash, Shahab, DDS, MS	ENDN	Salagaray, Lamberti, DDS	RESD
Nordland, Peter, DMD, MS	PERI	Sands, John, PhD	MICR
Nygaard-Ostby, Per, DDS	PERI	Santimalapong, Amy, DDS	RESD-IDP
		Schlenker, Willis L., DDS, MS	ORDN
Okada, Geoffrey T., DDS	DNES	Schmidt, Merrill E., DDS	ENDN
Olsen, Lee E., DDS	ORDN	Schnepper, Harold E., DMD, MS	RESD
Oshita, Patrick S., DDS	RESD	Schultz, Robert L., PhD	ANAT
		Secor, Ronald J., BA	DNES
Pagan, William J., DMD	RESD	Seibly, William S., DDS, PhD	RESD-IDP
Palmer, William E., DDS	RESD	Seifert, Laurence A., DDS, MS	ORDN
Park, Sungjin James, DDS	ANES	Selvig, Knut A., DDS, PhD	PERI
Parker, Richard L., DDS, MS	ODRP	Shabahang, Shahrok, DDS	ENDN
Parker, Ronald Clark, DDS	ORDN	Shafqat, Jon, DDS	ORSR
Parris, Richard K., DDS	PERI	Shaw, Peter D., DDS	RESD-IDP
Pence, Bruce A., DDS	RESD-IDP	Shellard, Edward Robert, DDS	RESD
Peters, Donald L., DDS, MS	ENDN	Sheppard, Gerald A., LLB	DNES
Peters, Marvin A., PhD	PHRM	Shryock, Edwin F., DDS, MS	RESD
Peterson, John Jr., DDS, MS	PEDN	Sigurdsson, Thorarinn J., DDS	PERI
Phaller, Francine M., BS	DNHY	Simms, Richard A., DDS, MS	ORDN
Piedra-Munoz, Isabella, DDS	PEDN	Simon, James H., DDS	ENDN
Pitt Ford, Thomas R., BDS	ENDN	Simpson, Karen A., BS, MPH	#DNHY
Pizzarello, Frank A., MS	RESD	Singh, Shalini, DDS	PERI
Plata, Arnold E., DDS	RESD-IDP	Slattery, Charles W., PhD	ANAT
Plata, Roger L., DDS, MS	RESD	Smith, James A., DDS, MS	PERI-IDP
Quimby, Adrienne M., RDH	DNHY	Soltan, Muna F., DDS	RESD
Quishenberry, Mary C., BS	DNHY	Soper, Barton L., DDS	ODRP
Randazzo, Jacqueline, BS	DNHY	Sprague, Polly S., DDS	RESD
Rathbun, W. Eugene, DDS, PhD	PERI	Spriggs, Mary Elizabeth, RDH	PERI
Rich, Darla L., RDH	DNHY	Steen, Robert H., DDS	RESD
Richards, Susan D., DDS	#ODRP	Steiner, Ann L., DMD, MS	DNES
Richardson, Paul L., DDS	ODRP	Stephens, Jonell A., MS, EdS	DNHY
Rick, Gordon M., DDS, MS	ODRP	Stilson, Douglas A., DDS	RESD
Ricketts, Robert M., DDS, MS	ORDN	Stirewalt, Sharon Ann, BS	DNHY
Rieder, Carl E., DDS	RESD	Stringer, Dale E., DDS	ORSR
Riegel, Robert C., DDS, MS	RESD	Strand, Peter F., DDS	ORDN
Ringer, Jack N.M., DDS	RESD	Strutz, Judith M., DDS	RESD
Rippon, W. Barton, PhD	BCHM	Sugita, Julie A., DDS	PERI
Roberts, Douglass B., DDS, MS	#RESD	Sugiyama, Raymond M., DDS, MS	ORDN
Roberts, Ralph A., DDS	RESD-IDP	Suya, Hajime, DDS	RESD
Roberts, Walter H., MD	ANAT	Sy-Munoz, Jenny T., DDM	RESD
Robertson, Thomas L., DDS, MS	ORDN	Szalay, Aladar, PhD	MICR
Roche, Susan, DDS	ODRP		
Rogers, Thomas C., DDS, MA	DNES	Tan, Daniel E., DDS	RESD
Roggenkamp, Clyde L., DDS	RESD	Tanaka, Wayne, DDS	ORSR
Rolf II, David D., DDS	PERI	Tang, Hong-Ming, DDS	ENDN
Rosenberg, Jeffrey I., DDS	RESD	Tatakis, Dimitris N., DDS, PhD	PERI
Rosenberg, Robert J., DDS	ENDN	Taylor, Barry D., PhD	MICR
Russo, Marisa, BS	DNHY	Taylor, Guy D., DDS, MS	ORDN
Rynearson, R. David, DDS, MS	ORDN	Teel, Robert W., PhD	PHSL
Ryu, Junichi, PhD	MICR	Theodorou, Alysia C., BS	DNHY

Theodorou, Anthony G., DDS	RESD	Westrick, Charles W., PhD	RESD
Thomas, Sony, DDS	ODRP	Whittaker, John M., BDS	RESD-IDP-IMPD
Thomas, Teresa, BS	DNHY	Wical, Kenneth E., DDS, MSD	RESD
Thomsen, Lane C., DDS, MS	ODRP	Wilcox, Bruce, PhD	BCHM
Thornton, Sheila M., BS	DNHY	Wilder-Smith, Petra, LDS	ENDN
Tjan, Anthony H. L., DDS	RESD	Wilkins, Kristi J., BS	DNHY
Torabinejad, Mahmoud, DMD, MSD	ENDN	Wilson, Gary T., DDS	RESD-IDP
Torres, Andres J., DDS	RESD	Wipf, Judith, DDS	RESD
Tracey, Stephen G., DDS, MS	ORDN	Wise, James R., DDS, MS	ORDN
Trapp, Larry D., DDS, MS	ANES	Wohrle, Peter S., DMD	RESD
Trombelli, Leonardo, DMD	PERI	Wolfe, David J., DDS	ENDN
Truitt, Harold P., DDS	RESD	Wolfram, Klaus D., DDS, MS	PERI
Tsai, James C. P., DDS	RESD-IDP	Woodward III, Herbert S., DDS	ORSR
Tsai, Juian C., DDS	RESD-IDP		
Tso, Vincent J., DMD	ORSR	Yamada, Jason M., DDS	PERI
Turner, Rodney L., DDS	DNES	Yamada, Toshiro	RESD
		Yeager, James E., DMD	ORSR
Valadez, Barbara H., AS	PERI	Yeo, Eliot M., DDS	RESD
Van Doren, Edward M., DMD	RESD-IDP	Yeoman, Leland R., DDS	RESD
VandenHoven, Hendricus, DDS	RESD	Yoon, Stuart S., DDS	PEDN
Vannucci, Gregory P., DDS	ORSR	Young, James, DDS	ORDN
		Young, Richard A., DDS	RESD
Wacker, Chris E., DDS	PEDN	Yow, Warren S., DMD, MS, MPH	RESD
Wacker, Duane R., DDS	RESD		
Walters, Roland D., DDS, MS	ORDN	Zerne-Young, Julie-Ann, DDS	PEDN
Wan, G. Lynn, DDS	IDP	Zhang, Wu, MD	DNES
Wee, Jonathan T.R., BDS	ODRP	Zuccarelli, Anthony, PhD	MICR

SUMMARY OF GRADUATES

DENTAL ASSISTANTS

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

DENTAL HYGIENISTS

Class of 1961 10	Class of 1971 33	Class of 1981 35	Class of 1991 40
Class of 1962 13	Class of 1972 34	Class of 1982 34	Class of 1992 40
Class of 1963 18	Class of 1973 48	Class of 1983 34	Class of 1993 40
Class of 1964 17	Class of 1974 35	Class of 1984 34	Class of 1994 41
Class of 1965 21	Class of 1975 36	Class of 1985 34	Class of 1995 39
Class of 1966 24	Class of 1976 33	Class of 1986 36	Class of 1996 42
Class of 1967 25	Class of 1977 33	Class of 1987 35	Class of 1997 38
Class of 1968 31	Class of 1978 36	Class of 1988 33	Class of 1998 43
Class of 1969 31	Class of 1979 35	Class of 1989 33	Class of 1999 40
Class of 1970 30	Class of 1980 35	Class of 1990 38	
			Total 1,287

DENTISTS

Class of 1957 39	Class of 1969 59	Class of 1980 76	Class of 1992 72
Class of 1958 42	Class of 1970 59	Class of 1981 80	Class of 1993 77
Class of 1959 48	Class of 1971 64	Class of 1982 98	Class of 1994 63
Class of 1960 43	Class of 1972 56	Class of 1983 98	Class of 1995 73
Class of 1961 52	Class of 1973 64	Class of 1984 83	Class of 1996 72
Class of 1962 55	Class of 1974 69	Class of 1985 96	Class of 1997 62
Class of 1963 53	Class of 1975-A 68	Class of 1986 96	Class of 1998 74
Class of 1964 52	Class of 1975-B 35	Class of 1987 87	Class of 1999 66
Class of 1965 43	Class of 1976 66	Class of 1988 92	
Class of 1966 41	Class of 1977 72	Class of 1989 89	Total 2,944
Class of 1967 57	Class of 1978 73	Class of 1990 69	
Class of 1968 55	Class of 1979 81	Class of 1991 75	

INTERNATIONAL DENTIST PROGRAM

Class of 1986 9	Class of 1994 14
Class of 1987 12	Class of 1995 12
Class of 1988 12	Class of 1996 14
Class of 1989 12	Class of 1997 14
Class of 1990 13	Class of 1998 14
Class of 1991 16	Class of 1999 14
Class of 1992 12	
Class of 1993 14	Total 182

PROFESSIONAL CERTIFICATES

Class of 1995 4	Class of 1998 19
Class of 1996 15	Class of 1999 24
Class of 1997 12	
Total 74	

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 of 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 pre-doctoral program by supporting a student loan fund which is administered by the University.

ALUMNI FEDERATION

The Alumni Federation was organized in 1958. This organization provides an avenue by which the several alumni associations, distinctive of emphases represented by curricula of the University, join their common concern for the continued welfare of the institution. In turn, through the federation the University demonstrates its interest in the continued general and professional development of the alumni, whom it regards as the ultimate and true expression of its accomplishments.

By united and reciprocal interaction, the federation and the University seek to ensure a growing community of scholars, practitioners, and citizens dedicated to excellence. Vitally concerned with excellence in education, the federation lends itself to enlarging the sphere of influence for good envisioned by the founders of the University.

The federation seeks to foster unity and loyalty and to promote the growth of the total institution and at the same time the best interests of each part. The federation endeavors to:

1. Foster the natural bond among alumni of each individual school, maintaining the right of alumni to direct their own group activities.
2. Assist the University and its schools in

their duty to provide for the continuing general welfare of all students, faculty, and alumni.

3. Encourage alumni through constituent associations to assist in providing adequate and dependable financial support both for the University and for alumni activities.

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

THE PROGRAMS

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. Accredited by the National Accrediting Agency for Clinical Laboratory Science. Also satisfies medical technology requirements of the American Society of Clinical Pathologists' Board of Registry for Medical Technology. Approved by the Department of Health, Laboratory Field Services, of the state of California.

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.

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

DENTISTRY: Started in 1953. Approved by the Council on Dental Education of the American Dental Association since May 23, 1957.

DIETETIC TECHNOLOGY: Started in 1988. Accredited by The American Dietetic Association Commission on Accreditation and Approval for Dietetics Education April 24, 1998.

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 ADMINISTRATION: Started in 1963 as medical record administration. Approved by the Council on Medical Education and Hospitals of the American Medical Association December 1, 1963. Currently approved by the Commission on Accreditation of Allied Health Education Programs.

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 state of California Department of Health Services.

[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.

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.

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 Education Programs in Nuclear Medicine Technology.

NURSING: Hospital school started at Loma Linda in 1905. Hospital school added at Los Angeles in 1924. Degree school organized in 1948. Accredited by the National Nursing Accrediting Service December 10, 1951, with approval continuing under the National League for Nursing. 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, 1959.

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. Coordinated undergraduate program accredited by The American Dietetic Association Commission on Accreditation and Approval for Dietetics Education, 1974.

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 of the American Occupational Therapy Association, Inc.

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 American Occupational Therapy Association, Inc.

PHLEBOTOMY: Started in June 1994. Approved April 1997 by the California Department of Health, Laboratory Field Services; and by the National Accrediting Agency for Clinical Laboratory Science (NAACLS).

PHYSICAL THERAPIST ASSISTANT: Started in 1989. Approved by the Commission on Accreditation in Physical Therapy Education of 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 Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association.

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

RADIATION THERAPY TECHNOLOGY: Started in 1972. Approved by the Council on Medical Education of the American Medical Association December 1, 1974. A.S. degree program in medical radiography currently approved by the Joint Review Committee on Education in Radiologic Technology.

RESPIRATORY THERAPY: Started in 1971. Initial approval by the Council on Medical Education of the American Medical Association September 1972. Full approval June 1973. Currently accredited by the Commission on Accreditation of Allied Health Education Programs.

SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY: Started in 1957. Approved by the American Speech-Language-Hearing Association June 1, 1991.

SOCIAL WORK: Started in 1994. Approved by the Council on Social Work Education, Division of Standards and Accreditation, since 1997.

SURGICAL TECHNOLOGY: Started in 1995. Currently accredited by the Accreditation Review Committee on Education in Surgical Technology in collaboration with the Commission on Accreditation of Allied Health Education Programs.

ACCREDITING AGENCIES

THE UNIVERSITY

Loma Linda University is accredited by WASC through 2008:

Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges
P.O. Box 9990
Mills College
Oakland, CA 94613-9990
Phone: 510 / 632-5000
FAX: 510 / 632-8361

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

All LLU Schools and their programs are accredited by WASC through its accreditation of the University as a whole. In addition to WASC, the following agencies accredit specific University schools or programs*:

GRADUATE SCHOOL

Drug and Alcohol Counseling

California Alcoholism and Drug Counselors
Education Program (CADCEP)
3400 Bradshaw Road, Suite A5
Sacramento, CA 95827
Phone: 916 / 368-9412
FAX: 916 / 368-9424

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

Social Work

Council on Social Work Education
Division of Standards and Accreditation
1600 Duke Street
Alexandria, VA 22314-3421
Phone: 703 / 683-8080
FAX: 703 / 683-8099

Speech-Language Pathology

Educational Standards Board
American Speech-Language-Hearing Association
10801 Rockville Pike
Rockville, MD 20852
Phone: 301/897-5700

SCHOOL OF ALLIED HEALTH PROFESSIONS

Cardiopulmonary Sciences

Respiratory Therapy

Committee for Accreditation for Respiratory Care
1248 Harwood Rd.
Bedford, TX 76021-4244
Phone: 817 / 283-2835

Surgical Technology

Accreditation Review Committee on Education in
Surgical Technology (ARC-ST)
7108-C South Alton Way
Englewood, CO 80112-2106
Phone: 303 / 694-9262
FAX: 303 / 741-3655

Clinical Laboratory Sciences

Phlebotomy

National Accrediting Agency for Clinical Laboratory
Sciences
8410 West Bryn Mawr Avenue, Suite 670
Chicago, IL 60631
Phone: 773 / 714-8880
FAX: 773 / 714-8886

Clinical Laboratory Science (formerly Medical Technology)

National Accrediting Agency for Clinical Laboratory
Sciences
8410 West Bryn Mawr Avenue, Suite 670
Chicago, IL 60631
Phone: 773 / 714-8880
FAX: 773 / 714-8886

Cytotechnology

The Commission on Accreditation of Allied Health
Education Programs (CAAHEP)
35 E. Wacker Dr., Suite 1970
Chicago, IL 60601-2208
Phone: 312 / 553-9355
FAX: 312 / 553-9616
Website: www.caahep.org

Health Information Administration

The Commission on Accreditation of Allied Health
Education Programs (CAAHEP)
35 E. Wacker Dr., Suite 1970
Chicago, IL 60601-2208
Phone: 312 / 553-9355
FAX: 312 / 553-9616

Nutrition and Dietetics

The Commission on Accreditation and Approval for
Dietetics Education
The American Dietetic Association
216 West Jackson Boulevard
Chicago, IL 60606-6995
Phone: 800 / 877-1600
FAX: 312 / 899-4817

Occupational Therapy

The Accreditation Council for Occupational
Therapy Education (ACOTE)
American Occupational Therapy Association, Inc.
4720 Montgomery Lane
Bethesda, MD 20814-3425;

or

P. O. Box 31220
Bethesda, MD 20824-1220
Phone: 301 / 652-2682 or
toll free 800 / 377-8555
FAX: 301 / 652-7711

Physical Therapy

Commission on Accreditation in Physical
Therapy Education (APTA)
American Physical Therapy Association
1111 North Fairfax Street
Alexandria, VA 22314
Phone: 703 / 706-3245

Radiation Technology

Medical Radiography—A.S.

Radiation Therapy Technology—certificate

Joint Review Committee on Education in
Radiologic Technology
20 North Wacker Drive, Suite 900
Chicago, IL 60606-2901
Phone: 312 / 704-5300
FAX: 312 / 704-5304

Nuclear Medicine Technology—certificate

Joint Review Committee on Education Programs
in Nuclear Medicine Technology
#1 2nd Ave. East, Suite C
Polson, MT 59860-2320
Phone: 406 / 883-0003
FAX: 406 / 883-0022

[Diagnostic] Medical Sonography—certificate
 Joint Review Committee on Education in
 Diagnostic Medical Sonography
 7108-C South Alton Way, Suite 150
 Englewood, CO 80112-2106
 Phone: 303 / 741-3533
 FAX: 303 / 741-3655

Speech-Language Pathology and Audiology
 American Speech-Language-Hearing
 Association
 10801 Rockville Pike
 Rockville, MD 20852
 Phone: 301 / 897-5700

SCHOOL OF DENTISTRY
 Council on Dental Education of the American
 Dental Association
 211 East Chicago Avenue
 Chicago, IL 60611
 Phone: 800 / 621-8099

SCHOOL OF MEDICINE
 Liaison Committee on Medical Education
 Association of American Medical Colleges
 2450 N Street, N.W.
 Washington, DC 30037
 Phone: 202 / 828-0596
 FAX: 202 / 828-1125

SCHOOL OF NURSING
 National League for Nursing
 61 Broadway
 New York, NY 10006
 Phone: 212 / 363-5555, ext. 153
 or toll free 800 / 669-1656

Board of Registered Nursing
 1170 Durfee Avenue, Suite G
 South El Monte, CA 91733
 626 / 575-7080

SCHOOL OF PUBLIC HEALTH
 Council on Education for Public Health
 1015 15th St., N.W., Suite 402
 Washington, DC 20001
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 National Commission for Health Education
 Credentialing, Inc.
 944 Marcon Boulevard, Suite 310
 Allentown, PA 18103
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 FAX: 800 / 813-0727

Drug and Alcohol Counseling
 California Alcoholism and Drug Counselors
 Education Program (CADCEP)
 3400 Bradshaw Road, Suite A5
 Sacramento, CA 95827
 Phone: 916 / 368-9412
 FAX: 916 / 368-9424

Environmental Health Specialist
 State of California
 Environmental Health Specialist
 Registration Committee
 601 North 7th Street, MS 396
 P.O. Box 942732
 Sacramento, CA 94234-7320

Public Health Nutrition and Dietetics
 The Commission on Accreditation/Approval
 of Dietetic Education
 216 West Jackson Boulevard
 Chicago, IL 60606-6995
 Phone: 312 / 899-0040

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

INSTRUCTIONAL RESOURCES

LIBRARIES

The Del E. Webb Memorial Library is the central library of Loma Linda University. Its historical roots 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 and a new structure added in 1981. At the present time, the total library space is 87,670 square feet. As of August 1998, the Library housed 312,428 volumes, including 188,633 books and 123,795 bound periodicals. The collection also contains 79,409 media items and 1,438 current periodical subscriptions.

The purpose of the Library is to stimulate and support the informational 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, access through online searches to hundreds of computerized databases, access to databases available locally in CD-ROM disk format, selective dissemination of information services (SDI), database end-user training programs, library orientations, interlibrary loans, photocopy services, a microcomputer lab, a learning resource center, library research classes, and support for off-campus academic programs.

The Library provides access to other collections nationwide through computerized telecommunications. It also participates in a number of national and regional networks. One of these is 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 these being the Pacific Southwest Regional Medical Library Service. 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 IEALC (Inland Empire

Academic Library Cooperative) and SIRCULS (San Bernardino, Inyo, Riverside Counties United Library Services). Membership in these cooperatives gives our students, faculty, and staff access to other library collections.

The Department of Archives and Special Collections holds information on the history of Loma Linda University, the health sciences, and a major collection on Adventism. In addition to print materials which include rare books, theses, and dissertations, there are microforms, sound recordings, and several thousand photographs; plus 14,000 linear feet of archival materials, which include papers of various denominational and University officials, as well as the congressional papers of the Honorable Jerry and Shirley Pettis.

ELLEN G. WHITE ESTATE BRANCH OFFICE

Also located in the Department of Archives and Special Collections is a branch office of the Ellen G. White Estate. It contains 60,000 type-written pages of Ellen White's letters and manuscripts; 4,600 of her published articles; and several different files of materials pertaining to various aspects of the life and ministry of Ellen White. A computerized concordance to her published writings is available to researchers.

Key to abbreviations and symbols

(See also key on campus map)

-
- X = Nearest cross street
> = See Area Map
LLU = Loma Linda University:
BMC Behavioral Medicine Center
CH Children's Hospital
CMC Community Medical Center
MC Medical Center

Campus Map (numerical)

-
- Gentry Gynmasium
 - Media Services (University, MC)
 - Geoscience Research Institute; Housekeeping (University); Radiation / Hazardous Materials Safety (University);
 - Campus Engineering (maintenance shops); Lock and Key; Campus Receiving (University); 4G=Garage buildings
 - Purchasing (University); Campus Engineering (Machine Shop)
 - Warehouse; Construction; Architectural Services
 - Drayson Center: Activities Center; Superfield; Student Union; Student Association
 - Speech and Hearing Clinic (AH)
 - Nichol Hall: School of Public Health; School of Allied Health Professions; 9C = Cottages; #60 ("Blue")—Marketing and Retention (AH); #70 ("Brown")—OT Field Work Office; #80 ("Green")—SIMS, Center for Health and Development (PH)
 - Daniells Residence Complex (men; graduate women)
 - Lindsay Hall (women's residence)
 - Campus Hill SDA Church
 - Linda Hall (Campus Hill SDA Church)
 - Evans Hall: Center for Health Promotion; Cutler Amphitheater; Student Health Service; Teaching Learning Center
 - Shryock Hall: Anatomy; Embryology Museum
 - Alumni Hall for Basic Sciences: Microbiology; Pathology; Courville Museum (pathology)
 - Risley Hall: Physiology; Pharmacology; Kellogg Amphitheater
 - Burden Hall: Academic Publications; University Relations; AH lab
 - Block Building: Orthopaedic Bioengineering Research Labs; Tribology Lab
 - Randall Visitors Center: Amphitheater; Jorgensen Learning Center
 - University Library; Del E. Webb Memorial: Main library; E. G. White Estate Branch Office; Heritage Room; Micro-Systems Support

- Magan Hall: Administration, LOMA LINDA UNIVERSITY; Faculty Records; Gift Records; Advancement
- Griggs Hall: Biology; Faculty of Religion; Graduate School
- Mortensen Hall: Biochemistry; Center for Molecular Biology and Gene Therapy
- Campus Security; Rideshare
- University Church; Fellowship Hall; Campus Chapel
- Good Samaritan sculpture
- Prince Hall: School of Dentistry
- Cogeneration Plant (power plant)
- Advanced Periodontics Education; Dentistry faculty endodontics (private practice)
- Educational Services (SD)
- Central Building: Psychology (GS)
- Center for Dental Research; University Computing (Rm. 208)
- University Arts: Human Resource Management (personnel, payroll, benefits); Purchasing (MC); University Printing and Design Center; Dentistry (private practice)
- Faculty Dental Offices (private practice)
- Occupational therapy lab (AH)
- Grants Management (post-award, University); LLU Foundation Rental Office
- Office of Sponsored Research (pre-award)
- Bank of America
- U. S. Post Office
- Upper level: Business offices; Accounting; Foundation; Lower level: Student Services Center—Student Affairs (student life, international student services, off-campus housing, dean of students); Financial Aid; Student Finance / Accounting; Admissions; Loan Collections; University Records
- La Loma Credit Union
- Campus Cafeteria
- Risk Management
- Safety Education Center
- Campus Store (bookstore, camera shop, Apple computer sales and service); LL Market (bakery, natural foods); Patio Pantry; Campus Pharmacy
- Alumni Center: Alumni offices; Alumni Federation; Staff Development; Planned Giving; General Conference liaison
- A.C.T.S. (emergency relief)
- LOMA LINDA UNIVERSITY COMMUNITY MEDICAL CENTER
- Ronald McDonald House
- University Kidney Center (dialysis)
- Faculty Medical Offices (FMO) (private practice)
- LOMA LINDA UNIVERSITY CHILDREN'S HOSPITAL: Heliport, H South; Cafeteria; Central Computing (MC)

- Proton Treatment Center
- LOMA LINDA UNIVERSITY MEDICAL CENTER: School of Medicine; Heliport, H North; Lost and Found, B-404; Cafeteria; Amphitheaters: A-512, Lobby-1506; Transplantation Institute
- Schuman Pavilion: International Heart Institute
- Chan Shun Pavilion: Cancer Research Institute
- Coleman Pavilion: School of Medicine; Center for Christian Bioethics
- Wong Kerlee International Conference Center
- Emergency Department
- Express Care (urgent care, workers' compensation, employee health care)
- Mail Service (University, MC)
- Nelson House: Decision Support Services (MC)
- West Hall: School of Nursing; Graduate School

Area Map (numerical)

-
- Material Supply and Distribution Support Services Center (Receiving, Mercantile, etc.) (MC), 1269 E. San Bernar-dino Ave., SB (X Tippecanoe)
 - Loma Linda Children's Center, 25228 Shepardson Dr.
 - Veterans Medical Center, Jerry L. Pettis Memorial, 11201 Benton St. (X Barton Rd.)
 - Mountain View Plaza (X Barton Rd.): Education and Training Department (computer training, JTPA training) (University, MC); Diabetes Treatment Center (MC); Osteoporosis Research Center (LLU administrative office); Radiology Medical Group, administrative office; Hospice (MC); LL Medical Supply (MC); Home Care Services (respiratory, family) (MC); Judkins Library (MC); LLUMC Managed Care Finance; Health Care Patient Business Office (FMO billing); Adventist Health Managed Care
 - Loma Linda Health Center ("Cape Cod" buildings), Mountain View Ave. (X Barton Rd.): A-11306 *Providence*: LL Community Medical Group B-11314 *Cambridge*: Psychiatry and Behavioral Medicine (SM) C-11320 *Gloucester*: Psychiatry conference rooms; Medical staff administration (BMC, CH, CMC, MC) D-11326 *Worcester*: Special Projects (MC); Physician Referral and Circle of Care E-11332 *Westerly*: Medical (private practice) F-11354 *Walden*: Medical G-11360 *Hartford*: LLU Cancer Institute: Administration; Cancer Data Center; Clinical oncology research H-11346 *Concord*: Marketing (MC); Medical (private practice) I-11368 *Springfield*: LLU Cancer Institute: Region 5 Cancer Surveillance Program; Pharmaceutical

- research
J-11374 *Dover*: see Counseling, below, 69J>
K-11382 *Danbury*: Loma Linda Health Pharmacy; Dental (private practice)
L-11340 *Bridgeport*: LLU Cancer Institute: Cancer Information
- Counseling and chemical dependency treatment centers (students, employees):*
69. B-11314 *Cambridge*: Student counseling; Psychiatry (SM)
G-11360 *Hartford*, Suite A: Employee Assistance Program
J-11374 *Dover*: Student Psychological counseling services (MC); Medical faculty (private practice)
- LOMA LINDA UNIVERSITY BEHAVIORAL MEDICINE CENTER, 1710 Barton Road (X Terracina Blvd.): Crisis hotline; Partial hospitalization (days only); Inpatient
 - Marriage and Family Therapy Clinic, 164 W. Hospitality Lane, Suite 15, SB (X Hunt's Lane)
 - Professional Plaza, 25455 Barton Frontage Road (X Loma Linda Drive; X Benton St.): Family and Child Therapy (FACT), Suite 108-A, LLUCH; Loma Linda Pharmacy; MC / SM teaching, administrative, and private practice offices

Campus and Area maps (alphabetical)

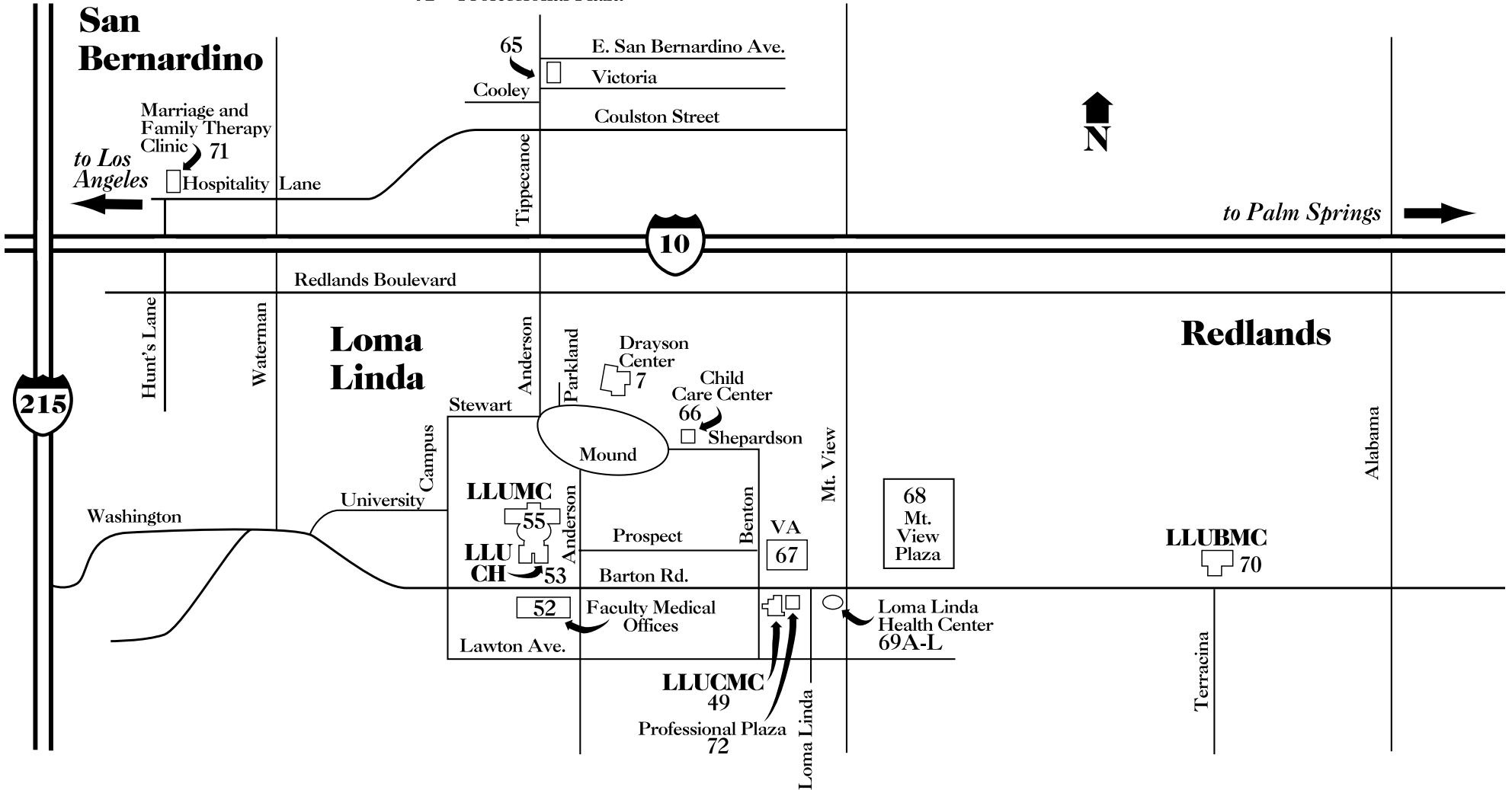
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 To update information for the next edition of the campus and area maps and legends, please contact:
 Academic Publications, ext. 4-4525

**Area Map
and numerical legend**

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- 65 – Material Supply and Distribution Support Services Center
- 66 – Loma Linda Children’s Center
- 67 – Jerry L. Pettis Memorial Veterans Medical Center
- 68 – Mountain View Plaza
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- 70 – Behavioral Medicine Center
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TO COMMUNICATE WITH LLU . . .

MAIL: Loma Linda University
Loma Linda, CA 92350

WORLDWIDE WEB: <http://www.llu.edu>

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

AREA CODE: 909 /

SWITCHBOARD: 558-4300

Off-campus PHONE:	On-campus PHONE:		Off-campus FAX:	On-campus FAX:
558-4540	44540	President	558-0242	80242
558-4787	44787	Diversity	558-0140	80140
558-4510	44510	Student Affairs Student welfare, housing, visas...	558-4879	44879
558-4520	44520	Student Finance	558-4879	44879
558-4509	44509	Student Financial Aid	558-4879	44879
558-4508	44508	University Records	558-4879	44879
558-8700	88700	Student Health Service	558-0433	80433
558-4505	66028	Student Counseling	558-6090	66090
558-8625	88625	Teaching Learning Center	558-0179	80179
558-6050	66050	Student Assistance Program	558-6051	66051
558-4570	44570	Spiritual Counseling	558-4186	44186
335-4275	34275	Crisis Hotline 1-800-752-5999		
793-9333	34008	Behavioral Medicine Center	558-9262	34262
558-4536	44536	Faculty of Religion	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
<i>The Schools:</i>				
Allied Health Professions				
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 Sciences	558-4291	44291-attn. CLSC
558-4976	44976	Health Information Management	558-4404	84404-attn. HLIN
558-4593	44593	Nutrition and Dietetics	558-4291	44291-attn. DTCS
558-4628	44628	Occupational Therapy	558-0239	84239-attn. OCTH
558-4948	44948	Occupational Therapy Assistant	478-4239	84239-attn. OCTA
558-4632	44632	Physical Therapy	558-4291	44291-attn. PHTH
558-4634	44634	Physical Therapist Assistant	558-4291	44291-attn. PTAS
558-4931	44931	Radiation Technology	558-4291	44291-attn. RTCH
558-4998	44998	Speech-Language Pathology/Audiology	558-4291	44291-attn. SPPA

Off-campus PHONE:	On-campus PHONE:		Off-campus FAX:	On-campus FAX:
		Dentistry		
558-4222	41616	Admissions	558-4211	44211
558-4621	44621	Dean	558-0483	40483
558-4683	44683	Advanced Programs	558-0122	80122
558-8624	88624	Dentistry Program	558-4211	44211
558-4601	44601	Dental Hygiene Program	558-0313	80313
558-4631	44631	International Dentist Program	558-0133	80133
558-4669	44669	SD Student Affairs	558-4211	44211
558-4790	44790	International Dentist Program	558-0133	80133
558-4669	44669	International Dentist Program	558-0133	80133
558-4790	44790	SD Student Affairs	558-4211	44211
		Graduate		
558-4529	44529	Admissions	558-4859	44859
558-4528	44528	Dean	558-0441	80441
		Medicine		
558-4462	44462	Admissions	558-4146	44146
558-4467	44467	Dean	558-4146	44146
558-4481	44481		558-4146	44146
		Nursing		
558-4360	44360	Admissions	558-4134	44134
558-4923	44923	Graduate	558-4134	44134
558-8061	88061	Undergraduate	558-4134	44134
558-8060	88060		558-4134	44134
		Pharmacy		
558-4529	44529	Admissions	558-4859	44859
558-4528	44528	Dean	558-0441	80441
		Public Health		
558-4546	44546	Admissions/Academic Records	558-4087	44087
558-4694	44694	Dean	558-4087	44087 attn. Admissions
558-4578	44578	Environmental and	558-4087	44087 attn. Dean
558-8750	88750	Occupational Health	558-4087	44087 attn. ENVH
558-8750	88750	Epidemiology and Biostatistics	558-4087	44087 attn. EPDM/STAT
558-4573	44573	Health Administration	558-4087	44087 attn. HADM
558-4575	44575	Health Promotion and	558-4087	44087 attn. HPRO
		Education		
558-4902	44902	International Health	558-4087	44087 attn. INTH
558-4575	44575	Maternal and Child Health	558-4087	44087 attn. MCHL
558-4598	44598	Nutrition	558-4087	44087 attn. NUTR
558-4918	44918	Preventive Medicine		
		Residency Program	558-4087	44087 attn. PMRP

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