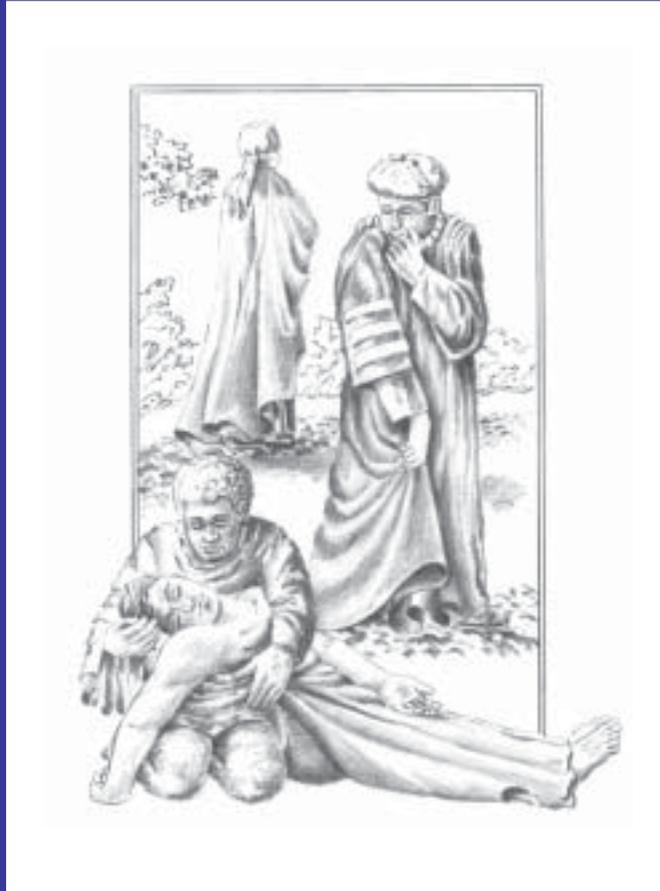


LOMA LINDA UNIVERSITY



SCHOOL OF DENTISTRY

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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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Dentistry**

2001-2003

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a Seventh-day Adventist health-sciences university

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and Email



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 (2000-2001) indicate that the core of the combined faculties consists of 1,023 full-time teachers. Part-time and voluntary teachers, largely clinicians in the professional curricula, bring the total to 2,199. Men and women from 96 nations are represented in the 2000-2001 enrollment of 3,325.

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

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 gender or handicap. Inquiries concerning Title IX may be directed to the affirmative action officer. Employment-related discrimination complaints, including those filed by student employees, are processed in conformity with the provisions outlined in existing staff personnel policies. Complaints related to discrimination in academic areas are reviewed in conformity with the procedures established by the academic administration.

The Calendar

2001

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

18-AUG 31

18-JUL 24

18-AUG 31

18

18

25

25-SEP 13

25

One week after
course begins

One week after
course begins

25

SUMMER QUARTER 2001

First five-week session

Eleven-week session

Last day to obtain financial clearance for standard term (GS)
and to complete registration without a late fee

Instruction begins for first five-week session and for eleven-
week session (standard term—GS)

Last day to obtain financial clearance for SD summer session
and to complete registration without a late fee*

SD Summer Session 2001

Instruction begins, SD summer session

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

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

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				

4

6

9

22-24

25-AUG 30

25

25

Independence Day recess

Registration for certain basic medical science classes

National Board Dental Examinations, Part I

“Careers in Dentistry” seminar

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

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	

One week before
end of course

27

31

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

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
Summer Quarter ends

*School of Dentistry students who are taking classes in the Graduate School receive an events calendar attached to their registration form each quarter, including the deadlines each quarter for submitting Forms C, A, and D (see June 25, July 25, August 27).

The Calendar

2001

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
4-21
4
4-21
6
13
14-23
17
18-20
21
24-DEC 14
24
24

Registration for post-summer session
Labor Day recess
POST-SUMMER SESSION 2001
Post-summer session instruction begins (varies; check schedule of classes)
Registration for Autumn Quarter
Last day to withdraw with a W grade or to submit S/U petition (one week before end of SD summer session course)
End of SD summer session 2001
Autumn break
Grades due from faculty
Freshman dentistry and Junior dental hygiene orientation; Learning Skills Workshop
Instruction ends for post-summer session
AUTUMN QUARTER 2001
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
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

1
2
3-31
2
4
10-13
13-17
8-12
9
9
17
19-21
21
24

LLU faculty convocation
Last day to enter a course or to change from audit to credit/credit to audit
Hispanic Heritage Month
Senior Simulated National Board Examination Part II
Campus/Chamber of Commerce Connection
NASDAD convention, Kansas City
ADA convention, Kansas City
Fall Week of Devotion
Diversity new student orientation
Last day to withdraw with no record of course registration on transcript
ALAS chapel
SD faculty/staff/student retreat
Dental Hygiene Licensure Examination
University convocation

NOVEMBER

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

16-17
21-25
26
26
26-DEC 21

Annual BALL/BHPSA student retreat
Thanksgiving recess
Instruction resumes
Last day to withdraw with a W grade or to submit S/U petition
Registration for Winter Quarter

3

National Board Dental Examination, Part I

The Calendar

2001

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					

3- 4
10-13
13
14-JAN 2
17

National Board Dental Examination, Part II
Final examinations
Autumn Quarter ends
Christmas recess
Grades due from faculty

2002

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
3
3
9
12-19
16
21
22-25

WINTER QUARTER 2002

Instruction begins
Last day to obtain financial clearance and to complete registration without a late fee
Last day to enter a course or to change from audit to credit/credit to audit
Mission Emphasis Week
Last day to withdraw with no record of course registration on transcript
Martin Luther King, Jr., Day recess
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		

7-11
6-24
6
18
25-MAR 22
25

SD alumni/student convention
African-American History Month
BHPSA chapel
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
						1 2
3	4	5	6	7	8	9
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

11-14
14
17-19
15-24
18
25-JUN 7
25
25
25-26

Final examinations
Winter Quarter ends
Western Regional Board Examination (subject to change)
Spring recess
Grades due from faculty
SPRING QUARTER 2002
Last day to obtain financial clearance and to complete registration without a late fee
Instruction begins
National Board Dental Examination, Part II

The Calendar

2002

APRIL

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
8-12
9
12-13
19-MAY 10

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
HALL/ALAS student retreat
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	

11
20
24
25
26
27
29-JUN 14

Diversity Consecration Service
Last day to withdraw with a W grade or to submit S/U petition
Dental Hygiene Pinning Service
Baccalaureate Service (SD, SM)
SD Conferring of Degrees
Memorial Day recess
Registration for summer session

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						

3-6
6
7
8
9
7-23
10
17-AUG 30
17-JUL 23
17-AUG 30
17
24-SEP 12

Final examinations
Spring Quarter ends
Vesper Service — “Focus on Graduates” (GS, SN, SPH, SAHP)
GS Baccalaureate Service
GS Conferring of Degrees
SD summer break
Grades due from SD faculty
SUMMER QUARTER 2002
First five-week session
Eleven-week session
Instruction begins for first five-week session and for eleven-week session
SD summer session 2002

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			

One week after course begins
One week after course begins
4
8
24-AUG 30
24

Last day to enter a course or to change from audit to credit/ credit to audit
Last day to withdraw with no record of course registration on transcript
Independence Day recess
National Board Examination Part I
Second five-week session
Instruction begins for second five-week session

The Calendar

2002

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

4-11
30

NASDAD Convention, Alaska
Summer Quarter ends

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
3-20
One week before
end of course
5-22
12
19
17-19
23-DEC 12
23
23

Labor Day recess
Post-summer sessions
Last day to withdraw with a W grade or to
submit S/U petition
Registration for Autumn Quarter
SD summer session ends
LLU faculty convocation
SD Freshman Learning Skills Workshop; orientation
AUTUMN QUARTER 2002
Last day to obtain financial clearance and to complete
registration without a late fee
Instruction begin

A complete 2002-2003 academic calendar will be available early Summer 2002 in the office of the Dean.



II

SCHOOL OF DENTISTRY

Letter from the Dean

School Foundations

General Information

Admissions Information

Financial Information

Student Life

Academic Practices

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

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

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

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

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



A handwritten signature in black ink that reads "Charles J. Goodacre". The signature is written in a cursive, flowing style.

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

School Foundations

HISTORY

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

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

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

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

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

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

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

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

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

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

ACCREDITATION

All programs are accredited by the Commission on Dental Accreditation (CODA) of the American Dental Association (ADA) and have been granted the accreditation status of approval since May 23, 1957. The CODA is a specialized accrediting body recognized by the U.S. Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 E. Chicago Avenue, Chicago, IL 60611. All programs have been accredited by the Commission on Dental Accreditation.

OUR MISSION

Loma Linda University School of Dentistry seeks to further the healing and teaching ministry of Jesus Christ by providing an environment wherein:

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

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

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

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

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

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

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 that 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 and are responsible for evaluation of faculty members and 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 School-sponsored service learning clinics, in clinical and research 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 completed in the School of Dentistry), leading to the Bachelor of Science degree.
2. The four-year professional curriculum in GENERAL DENTISTRY, leading to the Doctor of Dental Surgery degree.
3. The INTERNATIONAL DENTIST PROGRAM, a twenty-one-month (two academic years) curriculum for 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), or leading to a Master of Public Health degree earned (through the School of Public Health in the Dental Leadership Program) 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 or from the School of Public Health, 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./M.P.H.

A combined-degrees Doctor of Dental Surgery and Master of Public Health program is open to the qualified student of dentistry who wants to influence

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

D.D.S. / 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, 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 outlined in this section. Some programs require an interview with faculty. Members of the Seventh-day Adventist church are given preference. Acceptance of an applicant into any curriculum is contingent on the recommendation of the department conducting the program. The University's emphasis on health and the health professions, as well as the practices of the supporting church, preclude the admission of applicants who use tobacco, alcoholic beverages, or narcotics.

PREDOCTORAL D.D.S. PROGRAM

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

A 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 non-science 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 student entering the first year is expected to have taken the test within the past two years. 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 should 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.** Official transcripts may be sent to AADSAS and then released by AADSAS to the School of Dentistry. When an applicant becomes an accepted student, official transcripts, mailed directly from all colleges/universities, are required. An applicant's file will not be given consideration by the Admissions Committee until all transcripts are on file.
4. **References.** The applicant is asked to supply a minimum of four personal references. It is recommended that these include an academic reference from a science instructor, a reference from an employer, a character or religious reference such as from a minister, and a reference from a friend in the dental profession. If the applicant has attended a

college or university that has a preprofessional committee that prepares a preprofessional evaluation, it is required that Loma Linda University be sent a copy of this evaluation from the committee. Members of the applicant's family are excluded from writing the required letters of reference, although letters will be accepted for the file in addition to those required. Recommendation letters may be sent to AADSAS and then released by AADSAS to Loma Linda University School of Dentistry.

5. **Dental Admission Test.** The applicant is required to 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 Service for a fee, which is paid by the student.
 - A recent eye examination performed by an ophthalmologist or optometrist.
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.

TECHNICAL STANDARDS

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

Cognitive abilities

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

Observation

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

Students must be able to acquire information from written documents; and to visualize information presented in images from papers, films, slides, or videos. They must be able to interpret radiographic and other graphic images, with or without the use of assistive devices. Students must be able to observe patients accurately, at a distance and close at hand. They must be able to observe and appreciate verbal and nonverbal communications when performing dental operations or administering medications.

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

Communication

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

Motor skills

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

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

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

Behavioral and social attributes

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

It is also imperative that students be able to tolerate physically taxing workloads and to function effectively under stress. Students must be able to adapt to changing environments, to display flexibility, and to learn to function in the face of uncertainties inherent in the clinical problems of many patients. Compassion, integrity, honesty, concern for others, interpersonal skills, interest, cultural sensitivity, and motivation are all personal qualities that will be assessed during the admissions and education process.

Disabled applicants and students

It is the policy of Loma Linda University to fully comply with the provisions of the Americans with Disabilities Act. The School of Dentistry is

committed to providing dental education—including support services and reasonable accommodation of disabilities—to qualified applicants who will be able to perform all technical standards with or without accommodation; and for whom such accommodation does not fundamentally alter the School of Dentistry courses or create an undue burden.

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

A student who desires accommodation for any disability identified after admission must provide a written request with appropriate supporting guidelines or documentation to the Associate Dean for Student Affairs who will work with the appropriate agencies to evaluate the request and provide reasonable accommodation as appropriate.

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) and the Test of English as a Spoken Language (TOESL) 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 (VA) Regional Office, 11000 Wilshire Boulevard,

Los Angeles, CA 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. 47) in a timely manner in the program for which s/he 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 (2001-2002)
(subject to change by Board of Trustee action)

DENTISTRY

TUITION/FEES*

- \$26,736 Per year—first-year students: Autumn, Winter, Spring Quarters
- \$32,388 Per year—second-, third-, and fourth-year students: rates effective beginning Summer Quarter

INSTRUMENTS AND RENTAL FEES

- \$9,840 Freshman 6,339; Sophomore 2,405; Junior 968; Senior 128

SUPPLIES

- \$1,585 Freshman 175; Sophomore 625; Junior 405; Senior 380

LABORATORY FEES

- \$435 Freshman 135; Sophomore 140; Junior 120; Senior 40

SPECIAL CHARGES

- \$430 Freshman 220; Sophomore 80; Junior 0; Senior 130

TEXTBOOKS/MANUALS

- \$2,620 Freshman 1,100; Sophomore 1,260; Junior 140; Senior 120

DENTAL HYGIENE

TUITION/FEES*

- \$15,324 Junior year
- \$20,432 Senior year

INSTRUMENTS

- \$2,670 Junior 2,630; Senior 40

SUPPLIES

- \$170 Junior 55; Senior 115

LABORATORY FEES

- \$60 Junior 60; Senior 0

SPECIAL CHARGES

- \$160 Junior 130; Senior 30

TEXTBOOKS/MANUALS

- \$756 Junior 315; Senior 441

ESTIMATED LIVING EXPENSES (board and room)

On-campus student (\$930/mo.)

- \$8,370 9 months
- \$11,160 12 months

Off-campus student (\$1,135/mo.)

- \$10,215 9 months
- \$13,620 12 months

* Tuition is charged in four equal amounts, Summer through Spring Quarters. The amounts listed are for the 2001-02 academic year only. Tuition and/or fees will change for 2002-03. 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.

Other sources

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



Student Life

The information on student life contained in this BULLETIN is brief. The *Student Handbook* more comprehensively addresses University and School expectations, regulations, and policies and is available to each registered student. Students need to familiarize themselves with the contents of the *Student Handbook*. Additional information regarding policies specific to a particular school or program within the University is available from the respective School.

FROM UNIVERSITY TO STUDENT

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

It is inevitable that the student will come under question if:

- his/her academic performance is below standard;
- s/he neglects other student duties;
- his/her social conduct is unbecoming; or
- his/her attitudes demonstrate deficiencies such as poor judgment, moral inadequacy, or other forms of immaturity.

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

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

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*.

WHOLE-PERSON HEALTH

The University regards the student from a cosmopolitan and comprehensive point of view—

- cosmopolitan, in that historically the University's global mission has promoted bonds and opportunities in education and service without regard to sex, national or racial origin, or geographical origin; and
- comprehensive, in that the University's concern for the welfare of the student traditionally has been an integrated concern for assisting the student in balanced development.

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

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

SPIRITUAL HEALTH

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

SOCIAL HEALTH

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

PHYSICAL HEALTH

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

THE DRAYSON CENTER

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

The center includes a 21,000-square-foot multipurpose gymnasium, which may accommodate three full-size basketball courts or five volleyball courts or nine badminton courts. Circling the gymnasium's inside perimeter is a three-lane, elevated, rubberized running track. The facility also includes five racquetball courts with viewing areas, and fully equipped men's and women's locker rooms. Aerobics studios and cardiovascular and fitness areas are equipped for strength training, sports conditioning, body building, and power lifting. A large, ten-lane lap pool is designed to accommodate scuba diving classes. A 22-foot-

high, 150-foot water slide ends in the nearby recreational pool. This shallow pool is wheelchair accessible. An outdoor jacuzzi is also available as well as indoor saunas in the men's and women's locker rooms. Included in the complex are a lighted, six-court tennis facility; a 400,000-square-foot multi-use recreational area with four softball fields; a half-mile-long track; and picnic and game areas.

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

UNIVERSITY STUDENT/FAMILY COUNSELING CENTER

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

STUDENT ASSISTANCE PROGRAM

The Loma Linda Student Assistance Program (LLSAP) provides professional and caring assessment and treatment for a variety of personal, family, work, and school-related issues. LLSAP clinicians will develop a treatment plan that may include free short-term counseling. If more extensive treatment is appropriate, clients are referred to a community therapist who specializes in the student's area of concern and who is covered by the student's health plan. All information is confidential. LLSAP clinicians will not release information without the written consent of the student, with the exception of matters that fall under mandatory reporting laws.

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

Appointments may be scheduled during office hours: Monday through Wednesday 8 a.m.-5 p.m.; Thursday 8 a.m.-8 p.m.; Friday 8 a.m.-1 p.m. Additional appointments times may be available upon request.

All LLSAP services are free of charge.

TEACHING LEARNING CENTER

Academic life at this University is rigorous, and inefficient study skills can add to the stress and strain. The Teaching Learning Center works with students to develop the reading, writing, analytical, and study skills needed to succeed in professional education. The center offers three ABLE programs that will help students face academic challenges by:

A ssessing learning style and reading skills.

B reaking through in reading speed and comprehension.

L earning analytical and memory techniques and skills.

E nhancing ability to take tests and examinations.

If a student is having scholastic difficulties, the center will assess the student and tailor a program designed to increase and/or improve his/her reading speed and comprehension, writing clarity, analytical abilities, and other study skills—using the student's own course materials.

The center is located on campus in Evans Hall, Room 207. There is no charge to the student for assessment and evaluation. The regular student tuition package does not include the TLC tuition. However, TLC tuition is lower than regular tuition. For additional information, please call 909/558-8625.

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.

Student Health Service

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

Supplementary medical-coverage policy

The Student Health Plan is an "excess" policy and only supplements other medical plans that

provide benefits to the student. The student first obtains direct-provider payment, or reimbursement for out-of-pocket payments, from all other medical plans that provide benefits for the student; only then does the student submit bills to the Student Health Plan for any remaining balance not covered by the other plans. The student must, therefore, follow all rules of his/her primary insurance in obtaining medical treatment. The student should contact the primary carrier to determine what procedure to follow.

Eligibility

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

Coverage during clinicals/rotations

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

Effective coverage date

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

Buy-in 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 at the Department of Risk Management.

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

An eligible student may buy Student Health Plan coverage benefits for his/her spouse and/or dependent child(ren). Eligible dependents are the spouse (residing with the insured student) and his/her never-married child(ren) under nineteen years of age, or never-married child(ren) under

twenty-four years of age who are full-time student(s), or never-married children under twenty-seven years of age who are full-time graduate student(s).

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.

Buy-in rates per quarter are:

\$250	Part-time student
\$320	One dependent
\$600	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 twelve months prior to the coverage effective date, the following pre-existing-condition exclusion will apply:

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

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

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/or the Loma Linda University Medical Center Pharmacy. The student co-pays \$10 for generic or \$20 for brand-name prescriptions; the Student Health Plan covers the balance for up to a thirty-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. All full-time students at Loma Linda University in any clinical educational program are covered by the Student Health Plan. This plan provides coverage twenty-four hours per day while the student is enrolled at the University. The Student Health Plan waives the deductible and co-payment for accidental injury for students in clinical rotation.

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.

GOVERNING PRACTICES

Residence hall

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

Students are expected to live on campus unless they are:

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

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

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

Marriage

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

Professional apparel

Clinic apparel and laboratory apparel are distinctive articles of dress specified by the School

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

Personal appearance

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

Personal property

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

Cars and transportation

It is advantageous for the student to have access to a car. The student is responsible for transportation arrangements and costs for special projects and off-campus clinics.

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

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

Student identification card

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

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 that 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 School’s designated, trained sexual harassment ombudspersons.

A more comprehensive statement of the policy regarding sexual harassment can be found in the University *Student Handbook*.

Dismissal, grievance

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

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

Employment

It is recommended that students refrain from assuming work obligations that divert time, attention, and strength from the arduous task of training in their chosen career. A student wishing to work during the school year may petition for permission from the Office of the Associate Dean for Academic Affairs. The decision of that office regarding such an employment request will be based on academic standing, class load, health, and School policy.

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

Service Learning is a program at LLUSD that continues the original purpose of the School to train dental health professionals to provide service to the underserved, both locally and abroad.

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

During the four-year program, each dental student is required to complete a minimum of 120 hours of service-learning activity. A minimum of 80 hours of service is to be completed within the United States; up to forty hours may be completed outside the United States.

During the two-year program, each dental hygiene student is to complete a minimum of thirty hours of active service. A minimum of twenty hours of service is to be completed within the United States; up to ten hours may be completed outside the United States.

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 since 1960 by the Alumni Association, gives opportunity for students to meet alumni and hear presentations by prominent guest lecturers in dentistry.

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

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

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 Academic Affairs or 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 both of the instructor and of the associate dean for academic affairs.

Length of academic residence

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

SCHOLASTIC STANDING**Grades and grade points**

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

A	4.0	Outstanding performance.
A-	3.7	
B+	3.3	
B	3.0	Very good performance for undergraduate credit; satisfactory performance for graduate credit.
B-	2.7	
C+	2.3	
C	2.0	Satisfactory performance for undergraduate credit.
C-	1.7	Unsatisfactory performance for nursing courses and named cognates.
D+	1.3	
D	1.0	Minimum performance for which undergraduate credit is granted.
F	0.0	Failure, given for not meeting minimal performance.
S	none	Satisfactory performance, counted toward graduation. Equivalent to a C grade or better in undergraduate courses, or a B grade or better in graduate courses. An S grade is not computed in the grade point average. A student may request a grade of S in only a limited amount of course work as determined by the school. This is done by the student's filing with the Office of University Records the appropriate form prior to fourteen calendar days before the final examination

week. Once filed, the grade is not subject to change.

U	none	Unsatisfactory performance, given only when performance for an S-specified course falls below a C grade level in an undergraduate course or a B grade level in a graduate course. Similar filing procedures as given above are required. The U grade is not computed in the grade point average.
S/N	none	Satisfactory performance in a clock-hour course. Not included in total units. Same grading criteria as the S grade given for a credit hour course.
U/N	none	Unsatisfactory performance in a clock-hour course. Not included in total units. Same grading criteria as the U grade given for a credit hour course.
CR	none	Credit earned for Credit by Examination. Counted toward graduation/units earned, but not units attempted. Such credit cannot be counted for financial aid purposes.
NC	none	No credit for unsatisfactory performance for a Credit by Examination. Does not count for any purpose.

Notations

W	Withdrawal, given for withdrawal from a course prior to fourteen calendar days before the final examination week. Withdrawals during the first fourteen calendar days of a quarter or the first seven calendar days of a summer session are not recorded if the student files with the Office of University Records the appropriate form prior to the cut-off date. Withdrawals outside this time frame, upon recommendation of the dean, may be removed at the discretion of the vice president for academic affairs. In the case of nontraditionally scheduled courses, W will be given for withdrawal from a course prior to completion of 80 percent of the course, excluding the final examination period. Withdrawals during the first 20 percent of a course, excluding the final examination period, are not recorded if the student files with the Office of University Records the appropriate form prior to the date when this 20 percent of the course is completed.
UW	Unofficial Withdrawal, indicates that the student discontinued class attendance after the close of registration but failed to withdraw officially.

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

By the use of the petition form, the student requests an I notation from the instructor, stating the reason for the request and obtaining the signatures of the instructor, the department chair, and the associate dean. The form is left with the instructor. The instructor will then report the I notation on the grade-report form, as well as the grade which the student will receive if the deficiency is not removed within the time limit. The petition form is then filed with the Office of University Records along with the grade-report form.

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

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

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

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

Dean's List

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

- complete at least 12 units of course work during the quarter;

- achieve a term grade point average of at least 3.5 with no grade lower than a B-;
- receive no Incomplete grades on the grade report.

Grade reports

Under the Buckley amendment of the Family Educational Rights and Privacy Act (1974), students have full rights of privacy with regard to their academic records, including their grade reports. 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, upon 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 Chancellor and can be granted only by the Chancellor. If a candidate has not satisfactorily fulfilled all requirements, the University reserves the right to prohibit participation in commencement exercises.

PROCEDURES FOR ACADEMIC REVIEW

There are four Academic Review Committees: D1, D2, D3 and D4, and Dental Hygiene. Membership of each committee consists of the associate dean for academic affairs, the associate dean for student affairs, the associate dean for clinic administration, the assistant dean for admissions, the director of admissions, and the course directors of all courses required of the respective class in the academic year. In addition, each committee has two student members appointed by the dean in consultation with the DSA officers. Student committee members will generally be in the class ahead of the one being reviewed.

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

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. Grievances of academic review committee decisions may be appealed to the dean. The dean will review the matter and either render a decision or appoint a three-member ad hoc committee. Members of this committee will not have been involved in the academic review committee decision process. The ad hoc committee will make a determination as to whether the process was appropriately followed and whether the record supports the decision. They will report their findings and recommendation to the dean who will make a final and binding decision. The dean will decide if the appealing student will be permitted to continue with class and/or clinical assignments during the grievance proceedings.

ACADEMIC CRITERIA FOR PROMOTION

Level D1 to level D2

- Cumulative, didactic, or preclinical laboratory G.P.A. at or above 2.0.
- Not on academic probation.
- Successful completion of D1 comprehensive examination.

Level D2 to level D3

- Cumulative didactic or preclinical laboratory G.P.A. at or above 2.0.
- Not on academic probation.
- Successful completion of D2 National Board Part I Qualifying Examination.

Level D3 to level D4

- Cumulative, didactic, or preclinical laboratory G.P.A. above 2.0.
- Successful completion of National Board Examination Part I.
- Not on academic probation.

Academic requirements for graduation

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

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.

Criteria for placement on academic probation

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:

1. Term or cumulative didactic, pre-clinical, or clinical overall G.P.A. below 2.0.
2. Failing or unsatisfactory grade in any course.
3. Low clinical performance.

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.

Conditions/Prohibitions for a student on academic probation

A student on academic probation:

1. May not serve as an officer for any class, school, or extracurricular organization.
2. May not take any elective courses.
3. May be required to take remedial action 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.

Remedial Action

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

1. Counseling, tutoring, repeated or additional work.
2. Other specified activities.

Academic discontinuation

Criteria for academic discontinuation is as follows:

D1

- Any term with two or more failing grades, regardless of term or cumulative G.P.A.
- Three or more failing grades within the academic year, regardless of term or cumulative G.P.A.

- Six or more D or D+ grades within the academic year, regardless of term or cumulative G.P.A.
- Failure to fulfill terms of academic probation within the specified time period.

D2

- Any term with two or more failing grades, regardless of term or cumulative G.P.A.
- Three or more failing grades since enrollment in the predoctoral program, regardless of term or cumulative G.P.A.
- Eight or more D or D+ grades since enrollment in the predoctoral program, regardless of term or cumulative G.P.A.
- Failure to fulfill terms of academic probation within the specified time period.
- Level 4 academic probation.

D3

- Any term with two or more failing grades, regardless of term or cumulative G.P.A.
- Three or more failing grades since enrollment in the predoctoral program, regardless of term or cumulative G.P.A.
- Ten or more D or D+ grades since enrollment in the predoctoral program, regardless of term or cumulative G.P.A.
- Failure to fulfill terms of academic probation within the specified time period.
- Level 4 academic probation.
- Failure to pass National Board Examination Part I by end of D3 academic year.

D4

- 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.
- In some situations the Academic Review Committee may recommend that a student repeat an academic year (or portion thereof) as an alternative to discontinuation.

REPEATING A YEAR

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

1. Students are not required to register for any course in which a grade of B or better was earned.
2. Instructor approval must be obtained before the student withdraws 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 Academic Review Committee, and the student will be contacted by the associate dean for academic affairs with the decision of the committee. If the request for readmission is approved, the student must complete a Re-entry Form, available at the Office of Academic Affairs.

STUDENT-INITIATED ACADEMIC GRIEVANCE PROCEDURE

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

APPEAL PROCESS

If a student wishes to appeal a suspension or discontinuation, appeal for reinstatement may be made directly to the dean of the School of Dentistry. Final appeal may be made to the Chancellor of the University. In the case of an appeal to the Chancellor of the University, action taken will be limited to either denial of the appeal or a referral back to the School of Dentistry for further consideration. Such appeals are not expected to be routine and should be considered only in circumstances where new and relevant information exists that was not available for consideration by the Academic Review Committee.

ACADEMIC DISHONESTY

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

Examples of academic dishonesty include but are not limited to:

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

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

TRANSCRIPTS

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

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; or to earn D.D.S./M.P.H. degrees by taking programs in the School of Dentistry and the School of Public Health.

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

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

PROGRAM REQUIREMENTS

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 Course Numbers

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

UNIT OF CREDIT

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

COURSE NUMBER

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

UNDERGRADUATE

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

ADVANCED

501-599
601-699

PREDOCTORAL

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

CODES

SUBJECT AREAS

The subject areas are indicated by code letters as follows:

ANAT	Anatomy
ANES	Dental Anesthesiology
BCHM	Biochemistry
BSES	Applied Basic Science
DNES	Dental Educational Services
DNHY	Dental Hygiene
ENDN	Endodontics
IDP_	International Dentist Program
IMPD	Implant Dentistry
MICR	Microbiology / Immunology
ODRP	Oral Diagnosis, Radiology, and Pathology
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

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 that provides for continual growth and proficiency in performance of all traditional and expanded-function procedures. The purpose of the program is to develop professionals prepared for the current practice of dental hygiene, as well as graduates who are additionally prepared to deal with future changes in dentistry. Courses that encourage critical thinking and problem-solving techniques and that enhance the ability to evaluate the latest in research are important adjuncts to clinical training. Upon completion of this curriculum, graduates will be prepared to enter a variety of career options available to a dental hygienist.

FACULTY

Darlene Armstrong
 Sharon Boggs
 Tina Bruinsma
 Kathleen Carmicino
 Sylvia Castro
 D. Darlene Cheek
 Dena Devlin
 Coralie Dinger
 Mak Nai Dohr
 Lorraine Ehrler
 Debra Friesen
 Heather Gillespie
 Theresa Guillen
 Laurel Haglund
 Rhonda Hamerslough
 Marilyn Heyde
 Brad Hunt
 Tricia Hunt
 Michelle Hurlbutt
 Jacqueline Jimenez

Michelle Johnson
 Shirley Lee
 Patricia Lennan
 Leticia Lenoir
 Pearl McDonald
 Shirley McIntire
 Karla McKee
 Mary Quishenberry
 Darla Rich
 Marisa Russo
 Mary Schumacher
 Karen Simpson
 Corey Steinbrunn
 Jonell Stephens
 Patricia Tappen
 Teresa Thomas
 Sheila Thornton
 Nicole Vongschanphen
 Deborah Webster
 Kristi Wilkins
 Ellen Young

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 Commission on Dental Accreditation of the American Dental Association. The first class at this University graduated in 1961.

Philosophy

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

The School of Dentistry is interested in applicants with the potential to become hygienists who are well-read and gracious persons—prepared to communicate effectively in professional and community relationships. They should be able to draw on knowledge of the structure and function of 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 to the Dental Hygiene Program is in the junior year.

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

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

NOTE: Loma Linda University requires all students who graduate with a baccalaureate degree to complete a minimum of 68 quarter units of general education, which are integrated into the entire undergraduate program. See section 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 pre-professional student seek experience observing and assisting in a dental office, not necessarily for remuneration. Such experience provides opportunities for familiarization with the procedures of the dentist's office and ascertaining one's interest in and fitness for the practice of dental hygiene.

Regulations

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

Employment

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

Supplies

For the professional years of the program, the student must have prescribed textbooks, supplies,

instruments, and uniforms. The 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 that reflect the ideals of the dental hygiene profession.

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

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

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

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

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

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

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

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

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

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

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

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

License

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

Incentive program

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

- Notification of receipt of the Academic Excellence Award
- \$750 Scholarship
- Recognition at LLUSD faculty meeting
- Recognition in LLU *Dentistry Journal*
- Recognition in LLUSD "DentalGram"
- Press release to student's hometown newspaper.

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

Graduation requirements

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

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

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

PRE-DENTAL HYGIENE SUBJECT REQUIREMENTS FOR ADMISSION

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

General education requirements

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

*English composition and literature (a complete sequence).

Computers.

*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

Spiritual

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

Cultural

(20 quarter/14 semester units)

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

History/Civilization.

Fine arts (theory course work only).

Literature.

Philosophy/Ethics.

Foreign language.

Cultural diversity.

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

NATURAL SCIENCES (20 quarter/15 semester units)

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

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

*Microbiology, with laboratory.

*College mathematics.

SOCIAL SCIENCES (12 quarter/8 semester units)

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

*Introduction to sociology (specific required course).

Anthropology.

Political science.

Economics.

Psychology.

Geography.

*Cultural diversity.

HEALTH AND WELLNESS (3 quarter/2 semester units)

*Personal health or nutrition.

Physical education.

Two activity courses.

*Program-specific pre-entrance requirements



DISTRIBUTION OF INSTRUCTION

Junior Year

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
AUTUMN QUARTER							
†ANAT	301	Head and Neck Anatomy	33	33	-	66	4
†DNHY	303	Dental Materials	11	33	-	44	2
†DNHY	305	Dental Anatomy, Lecture	22	-	-	22	2
†DNHY	305L	Dental Anatomy, Laboratory	-	44	-	44	1
†DNHY	309	Radiology I	11	-	-	11	1
†DNHY	321	Preclinical Dental Hygiene, Lecture	22	-	-	22	2
†DNHY	321L	Preclinical Dental Hygiene, Laboratory	-	44	-	44	2
REL_	___	Religion selective	22	-	-	22	2
			121	154	-	275	16
WINTER QUARTER							
†ANAT	303	General and Oral Histology and Embryology	22	33	-	55	3
†ANES	314	Local Anesthesia and Inhalation Sedation	41	14	-	55	4
†DNHY	310	Radiology II	22	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 Patient	22	-	-	22	2
			129	124	44	297	17
SPRING QUARTER							
†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	55	-	-	55	5
RELE	457	Christian Ethics and Health Care	22	-	-	22	2
			165	-	88	253	17

† 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	22	20	-	42	3
†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	2	30	-	32	2
†PHRM	411	Pharmacology	22	-	-	22	2
			123	50	132	305	18
AUTUMN QUARTER							
†DNHY	411	Dental Hygiene Topics I	22	-	-	22	2
DNHY	417	Dental Health Education II	11	33	-	44	2
DNHY	422	Research II	11	22	-	33	2
DNHY	451	Clinical Seminar I	11	-	-	11	1
†DNHY	475	Dental Hygiene Clinic	-	-	176	176	4
DNHY	479	Topics in Dentistry	22	-	-	22	2
RELE	475	Principles and Practice of Whole-Person Care	22	-	-	22	2
			99	55	176	330	15
WINTER QUARTER							
DNHY	317	Applied Nutrition ⁴	22	-	-	22	2
DNHY	408	Professional Ethics ¹	22	-	-	22	2
†DNHY	412	Dental Hygiene Topics II	22	-	-	22	2
†DNHY	418	Critical Issues of Health Care	22	-	-	22	2
DNHY	423	Research III	-	33	-	33	1
†DNHY	431	Dental Public Health	33	-	-	33	3
DNHY	452	Clinical Seminar II	11	-	-	11	1
†DNHY	461	Modifying Factors in the Etiology of Periodontal Disease	11	-	-	11	1
†DNHY	476	Dental Hygiene Clinic II	-	-	176	176	4
			143	33	176	352	18
SPRING QUARTER							
DNHY	409	Jurisprudence ¹	22	-	-	22	2
†DNHY	413	Dental Hygiene Topics III	22	-	-	22	2
DNHY	414	Personal Finance ²	22	-	-	22	2
DNHY	453	Clinical Seminar III	11	-	-	11	1
†DNHY	471	Special Topics in Periodontics	11	-	-	11	1
†DNHY	477	Dental Hygiene Clinic III	-	-	176	176	4
DNHY	499	Research Writing ³	22	-	-	22	2
REL__	___	Religion selective	22	-	-	22	2
			132	-	176	308	16

* 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, and 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 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 Topics I (2)
Instruction in advanced clinical skills and classroom experience, with a focus on synthesizing knowledge from all segments of the profession of dental hygiene. Topics involve all aspects of patient care, including but not limited to whole-patient care, case revisions, sealants, soft tissue curettage, dentinal hypersensitivity, and tobacco cessation. Emphasis on continued development of the professional portfolio.

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

DNHY 413 Dental Hygiene Topics III (2)

All employment aspects of dental hygiene, including resume writing, interviewing, benefits/remuneration, termination, job services, family violence, and introduction to managed care, soft-tissue management, and marketing. Completion of a professional portfolio.

DNHY 414 Personal Finance (2)

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

DNHY 416 Dental Health Education I (2)

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

DNHY 417 Dental Health Education II (2)

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

DNHY 418 Critical Issues of Health Care (2)

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

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

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

DNHY 431 Dental Public Health (3)

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

DNHY 451, 452, 453 Clinical Seminar I, II, III (1, 1, 1)

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

DNHY 461 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, 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, 476, 477 Dental Hygiene Clinic I, II, III (4, 4, 4)

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

DNHY 479 Topics in Dentistry (2)

Lectures covering endodontics, forensics, myofascial pain, oral surgery, tooth whitening, and prosthodontics. Overview of subject matter to aid the dental hygienist as s/he treats patients. Enables the dental hygienist to ask appropriate questions and give input to the supervising dentist regarding the nature of the problem. Students quizzed the week following lecture.

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.

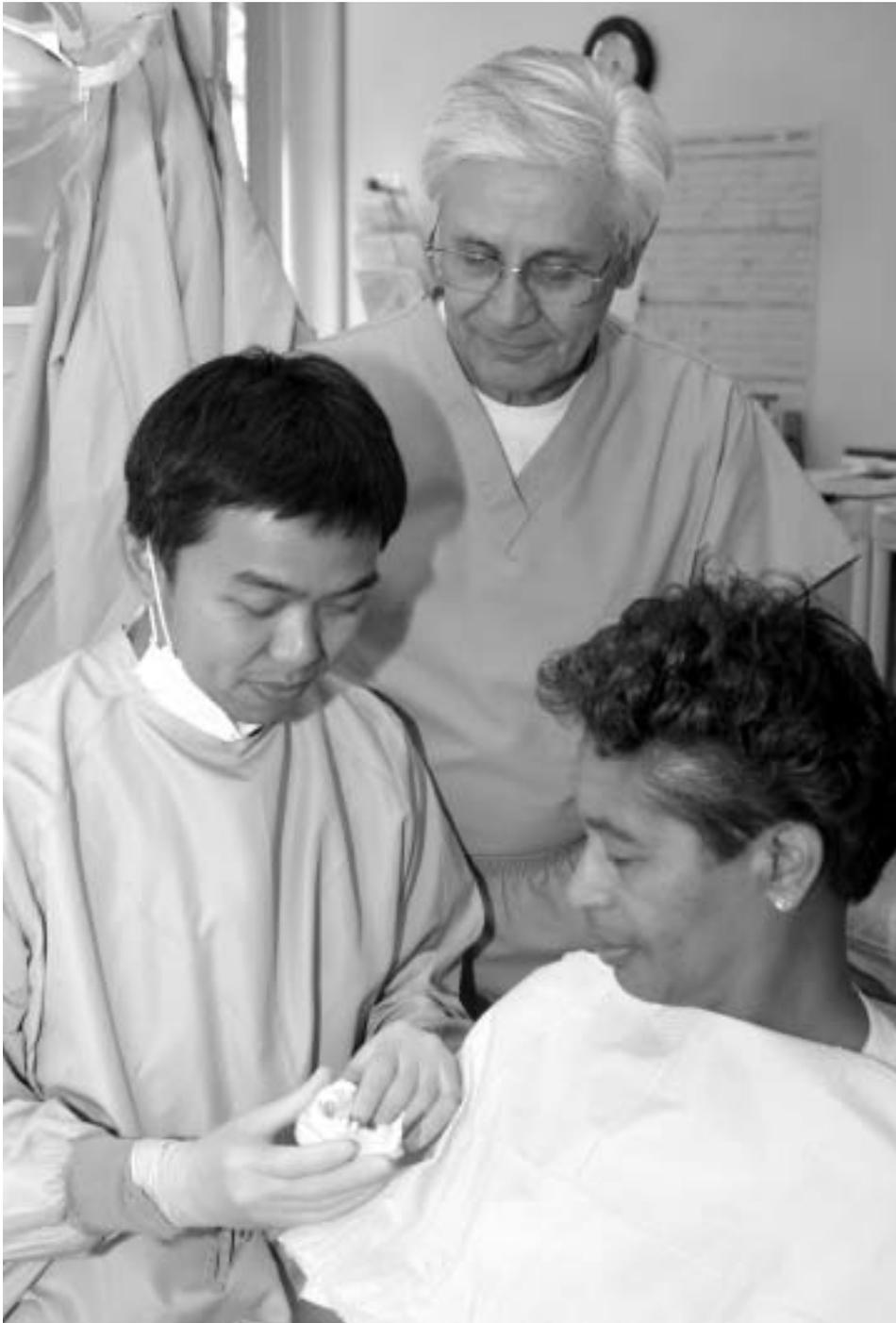
PHRM 411 Pharmacology, DH (2)
Uses, actions, and potential toxic effects of medications most frequently used by dental patients.

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

ELECTIVES

DNHY 498 Dental Hygiene Directed Study (1-10)

Domains 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 that is preventive in purpose and comprehensive in scope, and that 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 first (D1) year, the applicant must have completed a minimum of three academic years and no fewer than 96 semester or 144 quarter units in a college accredited by a

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

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

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

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

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

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

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

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

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

Physical requirements

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

Background

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

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

PRE-ENTRY REQUIREMENTS

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

HUMANITIES

Freshman English (complete sequence).

NATURAL SCIENCES

(complete course, one full year or equivalent)

General biology or Zoology with laboratory.

General chemistry with laboratory.

General physics with laboratory.

Organic chemistry with laboratory.

ELECTIVES

Strongly recommended:

Ceramics.

Principles of management.

Basic accounting.

Mathematics.

Basic human nutrition.

Anatomy.

Histology.

Biochemistry.

Psychology.

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

Employment

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

Microscope

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

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

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

Instruments, textbooks, additional materials

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

NATIONAL BOARDS

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

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

Incentive program

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

A student who achieves a score of 90 or above on either NBE-I or NBE-II will be acknowledged as follows:

- Notification of receipt of the Academic Excellence Silver Award
- School pays fee for NBE-II (> 90 on NBE-I)
- School pays application fee for California State Board (>90 on NBE-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 achieve a score of 90 or above on both NBE-I and NBE-II will be acknowledged as follows:

- Notification of receipt of the Academic Excellence Gold Award
- \$1500 scholarship
- Recognition on prominently displayed "perpetual" plaque

The Academic Excellence Silver and Gold awards are presented at the LLUSD awards chapel 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 chancellor and can be granted only by the chancellor. If a candidate has not satisfactorily fulfilled all requirements, the University reserves the right to prohibit participation in commencement exercises.

AWARDS

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

General

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

- American College of Prosthodontists
- American Dental Society of Anesthesiology
- American 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
- SmartPractice 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
- Service Learning Award
- Fixed Prosthodontics Department Award
- Graduate Implant Dentistry Award
- Oral Surgery Department Award
- Wilfred A. Nation Award

Additional special awards

Alumni Association

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

Chancellor's Award

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

NASDAD

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

OKU

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

Prince

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

MAJOR COMPETENCIES LISTED BY DOMAIN

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

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

Supporting criteria

 - a. Understand the fundamental principles governing the structure and functioning of the human organism.
 - b. Integrate information from biomedical, clinical, and behavioral sciences in addressing clinical problems.
 - c. Understand the importance of scientific literature and other appropriate sources of information in oral health-management decisions.
 - d. Demonstrate the ability to use scientifically derived laboratory and clinical evidence to guide clinical decision making.
 - e. Apply critical thinking and problem-solving skills in the comprehensive care of patients.
 - f. Understand the role of lifelong learning and self-assessment in maintaining competency and attaining proficiency and expertise.
2. **The new dentist must be able to conduct a comprehensive examination to evaluate the general and oral health of patients of all ages within the scope of general dentistry.**

Supporting criteria

 - a. Identify the chief complaint and take a history of the present illness.
 - b. Conduct a thorough dental history and appropriate medical and social histories.
 - c. Perform an appropriate clinical and radiographic examination using diagnostic aids and tests, as needed.
 - d. Identify patient behaviors that may contribute to orofacial problems.
 - e. Identify biologic, pharmacologic, and social factors that may affect oral health.
 - f. Identify signs of abuse or neglect.
 - g. Establish and maintain accurate patient records.
3. **The new dentist must be able to determine a diagnosis by interpreting and correlating findings from the examination.**

Supporting criteria

 - a. Identify problems that may require treatment.
 - b. Establish a clinical or definitive diagnosis for identified disorders.
 - c. Assess the impact of systemic conditions and psychological factors on oral health and/or delivery of dental care.
 - d. Recognize conditions that may require consultation with or referral to another health care provider and generate the appropriate communication.
4. **The new dentist must be able to develop a comprehensive treatment plan and treatment alternatives.**

Supporting criteria

 - a. Identify treatment options for each condition diagnosed.
 - b. Identify systemic diseases or conditions that may affect oral health or require treatment modifications.
 - c. Identify patient expectations and goals for treatment.
 - d. Explain and discuss the diagnosis, treatment options, and probable outcomes for each option with the patient or guardian.
 - e. Develop an appropriately integrated and sequenced treatment plan.
 - f. Modify the treatment plan when indicated due to unexpected circumstances, non-compliant individuals, or for patients with special needs (such as the frail, elderly; or medically, mentally, or functionally compromised individuals).
 - g. Present the final treatment plan to the patient—including time requirements, sequence of treatment, estimated fees, payment options and other patient responsibilities in achieving treatment outcomes.
 - h. Secure a signed consent for treatment.
5. **The new dentist must be able to manage pain and anxiety with pharmacologic and nonpharmacologic methods.**

Supporting criteria

- a. Evaluate the patient's physical and psychological state, and identify factors that may contribute to orofacial pain.
- b. Manage dental fear, pain, and anxiety with appropriate behavioral and pharmacologic techniques.
- c. Manage patients with craniofacial pain of dental and nondental origin.

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

Supporting criteria

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

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

Supporting criteria

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

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

Supporting criteria

- a. Design and provide an appropriate oral hygiene-instruction plan for the patient.
- b. Remove hard and soft deposits from the crown and root surfaces.
- c. Evaluate the outcomes of the initial phase of periodontal treatment.
- d. Manage the treatment of patients in the maintenance phase of therapy.
- e. Recognize and manage the treatment of advanced periodontal disease.
- f. Recognize the need for and appropriately use chemotherapeutic agents.
- g. Manage the treatment of mucogingival periodontal problems.
- h. Manage the treatment of hard- and soft-tissue problems in preparation for restorative procedures.

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

Supporting criteria

- a. Differentiate among sound enamel, hypomineralized enamel, remineralized enamel, and carious enamel.

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

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

Supporting criteria

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

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

Supporting criteria

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

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

Supporting criteria

- a. Perform uncomplicated extractions of teeth.
- b. Manage surgical extraction, and common intraoperative and postoperative surgical complications.
- c. Manage pathological conditions, such as lesions requiring biopsy, localized odontogenic infections, and impacted third molars.
- d. Manage patients with dentofacial deformities or patients who can benefit from pre-prosthetic surgery.

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

Supporting criteria

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

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

Supporting criteria

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

- k. Prepare casts and dies for the construction of restorations and prostheses.

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

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

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

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

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

Supporting criteria

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

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

Supporting criteria

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

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

Supporting criteria

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

- c. Explain the basic principles of personnel management, office systems, and business decisions.
- d. Apply financial management skills to debt and business management.
- e. Apply knowledge of informational technology resources in contemporary dental practice.
- f. Understand the importance of spiritual principals as a basis for developing a philosophy of health care.

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

Supporting criteria

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

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

DISTRIBUTION OF INSTRUCTION

Year D1

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
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	Restorative Dentistry I, Lecture	22	-	-	22	2
RESD	701L	Restorative Dentistry I, Laboratory	-	66	-	66	2
RESD	706	Clinical Topics	10	8	-	18	2
RELF	718	Adventist Heritage and Health	22	-	-	22	2
			192	112	8	312	20
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	702	Restorative Dentistry II, Lecture	28	-	-	28	2
RESD	702L	Restorative Dentistry II, Laboratory	-	66	-	66	2
RELE	734	Christian Ethics for Dentists	22	-	-	22	2
			186	150	-	336	21
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
MICR	501	Principles of Microbiology	10	10	-	20	1
PHSL	505	Homeostatic Mechanisms of the Human Body	38	8	-	46	4
RESD	708	Restorative Dentistry III, Lecture	20	-	-	20	2
RESD	708L	Restorative Dentistry III, Laboratory	-	80	-	80	2
			169	180	6	355	21

Year D2

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
SUMMER QUARTER							
DNES	707	Personal Development	11	-	-	11	1
DNES	774	Clinic Orientation I	8	2	-	10	0.5
MICR	501	Principles of Microbiology	25	10	-	35	2.5
ODRP	701	Radiology I: Clinical Procedures	11	16	-	27	1.5
ODRP	725	Patient Assessment and Data Management	28	17	-	45	3
ODRP	751	General and Systemic Pathology I	40	-	-	40	4
PERI	705	Introduction to Periodontics	20	-	-	20	2
RESD	709	Restorative Dentistry IV, Lecture	20	-	-	20	2
RESD	709L	Restorative Dentistry IV, Laboratory	-	60	-	60	2
			163	105	-	268	18.5
AUTUMN QUARTER							
ANES	751	Dental Anesthesia: Local Anesthesia	33	11	-	44	3
ODRP	726	Patient Diagnosis and Treatment Planning	12	13	-	25	1.5
ODRP	752	General and Systemic Pathology II	40	-	-	40	4
ODRP	755	Radiology II: Theory and Interpretation	22	-	-	22	2
PERI	741	Essential Periodontal Therapy, Lecture	10	-	-	10	1
PERI	741L	Essential Periodontal Therapy, Laboratory	-	16	-	16	1
RESD	754	Orientation to Restorative Clinic Protocol	10	8	-	18	1
RESD	761	Removable Prosthodontics I, Lecture	22	-	-	22	2
RESD	761L	Removable Prosthodontics I, Laboratory	-	66	-	66	2
RESD	771	Single Casting Technique, Lecture	22	-	-	22	2
RESD	771L	Single Casting Technique, Laboratory	-	66	-	66	2
			171	180	-	351	21.5
WINTER QUARTER							
DNES	775	Clinic Orientation II	10	2	-	12	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
RESD	762	Removable Prosthodontics II, Lecture	22	-	-	22	2
RESD	762L	Removable Prosthodontics II, Laboratory	-	60	-	60	2
RESD	772	Fixed Prosthodontics, Lecture	22	-	-	22	2
RESD	772L	Fixed Prosthodontics, Laboratory	-	66	-	66	2
			141	128	-	269	17
SPRING QUARTER							
ANES	752	Dental Anesthesia: Sedation Techniques	11	11	-	22	1.5
DNES	794	Public Health Dentistry	22	-	-	22	2
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 I, Laboratory (only one offered)	-	33	-	33	1
PHRM	501	Pharmacology and Therapeutics	44	2	-	46	4
RESD	763	Removable Prosthodontics III, Lecture	21	-	-	21	2
RESD	763L	Removable Prosthodontics III, Laboratory	-	63	-	63	2
RESD	773	Fixed Prosthodontics II, Lecture	22	-	-	22	2
RESD	773L	Fixed Prosthodontics II, Laboratory	-	66	-	66	2
			188	175	-	363	22.5

* Grade given at end of multiple-quarter course

Year D3

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
SUMMER QUARTER							
ANES	801	Dental Anesthesia: Advanced Topics	22	-	-	22	2
DNES	804	Applied Statistics	22	-	-	22	2
DNES	806	Research Design	40	-	-	40	2
ENDN	805	Endodontics I, Lecture	11	-	-	11	1
ENDN	805L	Endodontics I, Laboratory	-	33	-	33	1
ODRP	825	Oral Diagnosis, Radiology, and Pathology Clinic (1 of 4)*	-	-	var.	-	1
ORSR	805	Oral Surgery I	11	-	-	11	1
PEDN	825	Pediatric Dentistry Clinic (1 of 4)*	-	-	var.	-	0.5
RESD	811	Dental Materials II	11	-	-	11	1
RELR	749	Personal and Family Wholeness	22	-	-	22	2
			139	33	var.	172	13.5
AUTUMN QUARTER							
DNES	806L	Research Design Laboratory	-	33	-	33	1
ENDN	814	Endodontics II	11	-	-	11	1
ODRP	801	Oral Medicine I	11	-	-	11	1
ODRP	825	Oral Diagnosis, Radiology, and Pathology 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 I	-	-	var.	-	1
PEDN	825	Pediatric Dentistry Clinic (2 of 4)*	-	-	var.	-	1
RELR	734	Christian Ethics for Dentists	22	-	-	22	2
			64	63	var.	127	11
WINTER QUARTER							
ODRP	808	Oral Medicine II	22	-	-	22	2
ODRP	821	Special Care Dentistry	10	-	-	10	1
ODRP	825	Oral Diagnosis, Radiology, and Pathology Clinic (3 of 4)*	-	-	var.	-	0.5
ORDN	811	Principles of Orthodontics II	11	-	-	11	1
ORSR	811	Oral Surgery II	11	-	-	11	1
PEDN	821	Pediatric Dentistry II	8	-	-	8	1
PEDN	825	Pediatric Dentistry Clinic (3 of 4)*	-	-	var.	-	1
PERI	805	Periodontal Surgical Therapy	10	3	-	13	1
RESD	854	Implant Dentistry	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_	___	Religion selective chosen at registration	22	-	-	22	2
			113	32	var.	145	13.5
SPRING QUARTER							
ODRP	811	Oral Medicine III	11	-	-	11	1
ODRP	825	Oral Diagnosis, Radiology, and Pathology Clinic (4 of 4)*	-	-	var.	-	0.5
PEDN	825	Pediatric Dentistry Clinic (4 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
			60	46	var.	106	9.5

* Grade given at end of multiple-quarter course

Year D4

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
SUMMER QUARTER							
ODRP	826	Oral Medicine IV	22	-	-	22	2
ODRP	875	Oral Diagnosis, Radiology, and Pathology Clinic (1 of 4)*	-	-	var.	-	1
PEDN	875	Pediatric Dentistry Clinic (1 of 4)*	-	-	var.	-	0.5
PERI	875	Periodontics Clinic (1 of 4)*	-	-	var.	-	2
RESD	875	Restorative Dentistry Clinic (1 of 4)*	-	-	var.	-	9.5
			22	-	var.	22	15
AUTUMN QUARTER							
DNES	807	Practice Management I	22	-	-	22	2
DNES	889	Senior National Board Part II Review	64	-	-	64	2
ODRP	875	Oral Diagnosis, Radiology, and Pathology Clinic (2 of 4)*	-	-	var.	-	1
PEDN	875	Pediatric Dentistry Clinic (2 of 4)*	-	-	var.	-	0.5
PERI	875	Periodontics Clinic (2 of 4)*	-	-	var.	-	2
RESD	861	Senior Lecture in Removable Prosthodontics	20	-	-	20	1
RESD	875	Restorative Dentistry Clinic (2 of 4)*	-	-	var.	-	9.5
			106	-	var.	106	18
WINTER QUARTER							
DNES	809	Practice Management II	12	10	-	22	2
DNES	851	The Dentist and the Law	22	-	-	22	2
ODRP	875	Oral Diagnosis, Radiology, and Pathology Clinic (3 of 4)*	-	-	var.	-	1
PEDN	875	Pediatric Dentistry Clinic (3 of 4)*	-	-	var.	-	1
PERI	875	Periodontics Clinic (3 of 4)*	-	-	var.	-	2
RESD	875	Restorative Dentistry Clinic (3 of 4)*	-	-	var.	-	9.5
RELR	764	Religion, Marriage, and Family	22	-	-	22	2
			56	10	var.	66	19.5
SPRING QUARTER							
ENDN	875	Endodontics Clinic	-	-	var.	-	1
ODRP	875	Oral Diagnosis, Radiology, and Pathology Clinic (4 of 4)*	-	-	var.	-	1
ORDN	875	Orthodontics Clinic	-	-	var.	-	1
ORSR	875	Oral Surgery Clinic II	-	-	var.	-	1
PEDN	875	Pediatric Dentistry Clinic (4 of 4)*	-	-	var.	-	1
PERI	875	Periodontics Clinic (4 of 4)*	-	-	var.	-	1.5
RESD	844	Restorative Study Club Seminar	-	8	-	-	0.5
RESD	875	Restorative Dentistry Clinic (4 of 4)*	-	-	var.	-	9
			-	8	var.	-	16

* Grade given at end of multiple-quarter course

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

Bertha C. Escobar
William M. Hooker
Michael A. Kirby
Paul J. McMillan

Pedro B. Nava
Kerby C. Oberg
Walter H. Roberts
Robert L. Schultz
Kenneth R. Wright

COURSES

DENTAL HYGIENE

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

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

DENTISTRY

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

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

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

BIOCHEMISTRY

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 bio-chemical 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
R. Bruce Wilcox

COURSE

DENTISTRY

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

Study of the living process at the molecular level. Properties of water, the medium in which the biomolecules interact. Concepts of pH and buffers. Structure and functional roles of amino acids and proteins. Enzyme properties and mechanisms. Role of micro-nutrients in biological systems. Bioenergetics. Catabolism and biosynthesis of carbohydrates, lipids, proteins, and nucleic acids. Collagen structure as a product of gene expression. Regulatory control of metabolism as a basis for maintaining homeostasis in biological systems. Hormone structure and function.

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 Anderson
James Caley
Gary Chan
John Leyman

Michael Mashni
Sungjin Park
David Rogers
Mikan Sljivar
Larry Trapp

COURSES

DENTAL HYGIENE

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

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

DENTISTRY

ANES 751 Dental Anesthesia: Local Anesthesia (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 (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

William Allen
 Mark Carpenter
 James Crawford
 Ronald Dailey
 Sylvia Davis
 Frank Flores
 Ronald Forde
 Ronald Fritz
 Kathy Galvan
 Kent Hansen
 William Hooker
 Shelton Hsu
 Fred Kasischke

J. S. (Jay) Kim
 Charles Lee
 George Lessard
 Carla Lidner
 William Loveless
 Kathleen Moore
 William Naylor
 Quint Nicola
 Thomas Rogers
 M. Timothy Rudd
 Ronald Secor
 Rodney Turner
 Phung (Mindy) Vu
 Charles Westrick
 Warren Yow

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

BSES 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, and 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 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 I (.5)

Introduction to utilization of appropriate clinics and clinical support services.

DNES 775 Clinic Orientation II (1)

Introduction to patient relations and clinic policies.

DNES 789 National Board Part I Review (1)

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

DNES 794 Public Health Dentistry (2)

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

DNES 804 Applied Statistics (2)

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

DNES 806 Research Design (2)

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

DNES 806L Research Design Laboratory (1)

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

DNES 807 Practice Management I (2)

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

DNES 809 Practice Management II (2)

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

DNES 851 The Dentist and the Law (2)

Introduction to legal limitations and compliance with legal requirements.

DNES 889 Senior National Board Part II Review (2)

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

ENDODONTICS

LEIF K. BAKLAND, Chair

MAHMOUD TORABINEJAD, Director, Advanced Education Program

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 Abedi
Leif Bakland
David Browning
Melvin Coleman
G. Reed Cummings
Robert Frank
Arthur Gage
Charles Holman
G-Hong Hsu
Lee Ingersoll
Debra Meadows

Steven Morrow
Shahab Noorvash
Geoffrey Okada
Donald Peters
Claudia Prieto
Merrill Schmidt
Shahrokh Shabahang
James Simon
Hong-Ming Tang
Sony Thomas
Mahmoud Torabinejad
David Wolfe

COURSES

DENTISTRY

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

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

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

ENDN 875 Endodontics Clinic (1)

MICROBIOLOGY / IMMUNOLOGY

JAMES D. KETTERING, SM, Acting Chair

The goals of the Department of Microbiology/Immunology 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

Hansel Fletcher
Daila Gridley

Mark S. Johnson
James D. Kettering
Benjamin H. S. Lau
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 that are applicable. Lecture and laboratory.

ORAL DIAGNOSIS, RADIOLOGY, AND PATHOLOGY

RONALD P. BLANK, 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 Appleton
Ronald Blank
Garth Brown
Heidi Christensen
Dennis Clark
Robert Clement
Robert Handysides

Floyd Hansen
Hilbert Lentz
Kandasamy Rengasamy
Susan Richards
Susan Roche
Lane Thomsen
Duane Wacker
Donald Witherow

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 Patient Assessment and Data Management (3)
Introduction to physical evaluation, data collection, and the problem-oriented dental record. Supervised clinical experience with fellow students as "patients." Development of a treatment plan and its presentation to the patient.

ODRP 726 Patient Diagnosis and Treatment Planning (1.5)

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

ODRP 735 Dental Emergency Diagnosis and Treatment (1)

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

ODRP 751 General and Systemic Pathology I (4)

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

ODRP 752 General and Systemic Pathology II (4)

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

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 807 Oral Medicine I (1)

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

ODRP 808 Oral Medicine II (2)

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

ODRP 811 Oral Medicine III (1)

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

ODRP 821 Special-Care Dentistry (1)

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

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

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

ODRP 826 Oral Medicine IV (2)

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

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

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

ORAL AND MAXILLOFACIAL SURGERY

PHILIP BOYNE, Interim Chair; Interim 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

William Arnett
Robert Bass
Wilson Baugh
Michael Boyko
Tom Chanez
Martin Chin
Todd Cooper
W. Davis
Lorenz de Julien
F. Liviu Eftimie
Scott Fimbres
Michael Fox
Richard Gelman

Alan Herford
Brett King
Colin Le
Albert Lin
Gregory Litvinoff
Edward Marshall
Suzanne McCormick
Robert Mower
David Pulsipher
Kenneth Spint
Wayne Tanaka
Clark Taylor
Thomas Wong
Herbert Woodward
Harvey (Skip) Zalsman

COURSES

DENTISTRY

ORSR 805 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 Andreiko
 J. Milford Anholm
 Mark Batesole
 Ruel Bench
 Joseph Caruso
 Bernard Chang
 Ivan Dus
 William Emmerson
 James Farrage
 Michael Fillman
 Daniel Flores
 Nelson Gatov
 Bruce Heinrich
 Robert Homer
 David Jo
 Gary Kevorkian

V. Leroy Leggitt
 Anthony Lier
 Robert Mitchell
 Raed Moussa
 Henry Nahoum
 Roland Neufeld
 Thomas Robertson
 R. Rynearson
 Willis Schlenker
 Laurence Seifert
 Barton Soper
 Peter Strand
 Raymond Sugiyama
 Guy Taylor
 Stephen Tracey
 Victor West
 James Wise

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, Advanced Education Program

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

Jennifer Barry
Shahnaz Bonyanpoor
Eddie Chang
Amy Chong
Joseph Creech, Jr.
Sheila Harris
Jennifer Hoffer
Melba Mayes
J. Todd Milledge
Wesley Morikawa

Numa Munoz
Bonnie Nelson
Wesley Okumura
John Peterson
Isabella Piedra-Munoz
Jon Sayed
Maria Sheu
Jeremy Wiggins
Melva Wyatt
Stuart Yoon
Julie-Ann Zerne-Young

COURSES

DENTISTRY

PEDN 751 Pediatric Dentistry I, Lecture (3)
Prevention of dental disease (oral hygiene, diet, fluoride, pit and fissure sealants). Behavior management of the child dental patient. Diagnosis, treatment planning, and operative dentistry for children. Pediatric pulp therapy, dental arch-length management, local anesthesia and sedation for children. Medical aspects of pediatric dentistry.

**PEDN 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 that affect the supporting structures of the teeth. The study of periodontics helps form basic concepts of health and disease. These concepts are applied in the treatment of periodontal diseases and in the maintenance of dental health over a patient's lifetime, providing comprehensive dental therapy for the individual patient. In this way we contribute directly to the School of Dentistry's academic and service mission "to make man whole."

FACULTY

Thomas Adamich
Abdulaziz Al-Rasheed
Prasit Aranyarachkul
R. Leslie Arnett, Jr.
Robert Aronovitz
John Bishop
Gary Bogle
Susan Cartwright
Paul Chu
Thu-Diem Chung
Noel Claffey
Lynn Corcoran
Max Crigger
Linda Fitzmorris
Hansel Fletcher
Mario Flores
Joseph Fuentes
Bernard Gantes
Mohamed Hassan
Dale Johnstone

Robert Kiger
Alexander Koh
Daniel Kunihira
Michael Lee
Daniel Lee
Yen-Hui Li
Yong Liu
Tord Lundgren
Leslie Nazaroff
Richard Parris
W. Eugene Rathbun
David Rolf II
Shalini Singh
Shelley Slater
Julie Sugita
Young-Il Suh
Dimitris Tatakis
Barbara Valadez
Klaus Wolfram
Jason Yamada
Alan Young

COURSES

DENTISTRY

PERI 705 Introduction to Periodontics (2)

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

PERI 741 Essential Periodontal Therapy, Lecture (1)

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

PERI 741L Essential Periodontal Therapy, Laboratory (1)

Technique laboratory to accompany the lecture.

PERI 751 Planning and Evaluation in Periodontal Therapy (1)

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

PERI 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.

PHRM 503 Clinical Pharmacology in Dentistry (2)

Use of medications in the treatment of dentally related diseases, and their potential interaction with total patient care.

PHSL 504 Physiological Systems of the Human Body (5)

Physiological bases of normal function. Lectures and laboratory demonstrations illustrating the physiological principles and systems in man.

PHSL 505 Homeostatic Mechanisms of the Human Body (4)

Physiological basis of homeostatic control mechanisms. Lectures and laboratory demonstrations illustrating how the various systems of the body are controlled.

RESTORATIVE DENTISTRY

DOUGLASS B. ROBERTS, Chair

D. GUILLERMO BERNAL, 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 in recognizing the need for a continued quest for knowledge.

FACULTY

Matty Abbate
David Abensur
Angham Al-Abdulla
Daniel Armstrong
Donald Bailey
Esther Barizo
Lloyd Baum
Mark Beatty
D. Guillermo Bernal
Frederick Berry
Glenn Bickert
Roger Briggs
David Brodeur
Sandra Buffenmeyer
Daniel Bui
Wayne Campagni
Nicholas Caplanis
Renzo Casellini
Alex Chan
Carlos Chavez
James Cho
Andrea Choi
Charles Cutting
Tony Daher
David Dennis
Sandip Desai
William Domb
D. Michael Duggan
Adrian Dumitrescu
James Dunn
Gilbert Dupper
Mark Estey
Ralph Feller
Michael Fitzpatrick
Madelyn Fletcher
Luis Flores

Richard Foulston
Michael Francis
Kevin Franks
Julie Furber
David Garber
Gary Golden
Charles Goodacre
Mark Gorden
Myron Gottfried
Bertin Hall
C. Bruce Hasenauer
William Heisler
William Herrera
Donald Hickman
Howard Ho
E. Patrick Hoag
Courtney Jackson
Bruce Janzen
Ebenezer Johnson
Zina Johnston
Joseph Kan
Daniel Kantarovich
Mathew Kattadiyil
Kyo Sung Kim
Robert Kinzer
Louis Kircos
S. Alejandro Kleinman
Gale Kloeffler
Judith Ko
James Konugres
Kenneth Krauss
Richard Kunihiro
Sean Lee
Mingway Lee
Frank Lee
Yiming Li
Jaime Lozada
Lin Martin

Ranu Mishra
 Carlos Moretta
 Fernando Munguia
 Carlos Munoz
 Peter Nelson
 Kevin Nelson
 Harold Nemetz
 Winston Nethery
 Annie Ngo
 Doyle Nick
 Mac-Rey Ojano
 Patrick Oshita
 William Pagan
 William Palmer
 Song Joon Park
 Bruce Pence
 Wei-Peng Peng
 Shawn Pesh
 Roger Plata
 Periklis Proussaefs
 Bindoo Punjabi
 Jack Ringer
 Douglass Roberts
 Clyde Roggenkamp
 Kitichai Rungcharassaeng
 Amy Santimalapong
 Jodi Sceville
 Harold Schnepfer
 William Seibly

Peter Shaw
 Edward Shellard
 Edwin Shryock
 Brian Smith
 Douglas Stilson
 Judith Strutz
 Jenny Sy-Munoz
 Daniel Tan
 Anthony Theodorou
 Veerachai Thumwanit
 Anthony H. Tjan
 Gerardo Toledo
 Fidel Torres
 Andres Torres
 Istvan Urban
 Pascal Valentini
 Robert B. Walter
 Robert D. Walter
 Hugh Wang
 Matthew Welebir
 John Whittaker
 Kenneth Wical
 Gary Wilson
 Myron Winer
 Eliot Yeo
 Jimmy Yoo
 Richard Young
 Peter Young
 Wu Zhang

COURSES

DENTISTRY

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

RESD 701L Restorative Dentistry I, Laboratory (2)

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

RESD 702L Restorative Dentistry II, Laboratory (2)

RESD 706 Clinical Topics (2)
 Introductory course to acquaint the freshman dental student with various topics which will provide a better foundation and appreciation for clinical aspects of dentistry.

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

RESD 708L Restorative Dentistry III, Laboratory (2)

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

RESD 709L Restorative Dentistry IV, Laboratory (2)

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

RESD 761/761L Removable Prosthodontics I, Lecture/Laboratory (4)
 Designed to help the D2 student understand the relationship of removable prosthodontics to dentistry, basic clinical and laboratory procedures involved in the fabrication of a removable partial denture, and maxillary immediate complete dentures and interim removable partial dentures.

RESD 762/762L Removable Prosthodontics II, Lecture/Laboratory (2)
 Familiarizes the student with basic laboratory phases of diagnosing, treatment planning, and treatment of an edentulous patient.

RESD 763/763L Removable Prosthodontics III, Lecture/Laboratory (4)

Biomechanics of removable partial dentures and their design and fabrication. Diagnosis and treatment plan for removable partial dentures. Clinical and laboratory procedures and sequencing of treatment for removable partial and complete dentures. Clinical and laboratory procedures associated with surveyed RPD abutment crowns seated to an existing RPD; RPD problems; troubleshooting and repair. Semi-precision attachments and single-CD treatment.

RESD 771 Single Casting Technique, Lecture (2)

Basic tooth preparation for single-cast restorations, including porcelain fused to metal, tissue management, impression techniques, and casting fabrication.

RESD 771L Single Casting Technique, Laboratory (2)

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

RESD 772L Fixed Prosthodontics, Laboratory (2)

RESD 773 Fixed Prosthodontics II, Lecture (2)
Continuation of RESD 772

RESD 773L Fixed Prosthodontics II, Laboratory (2)

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

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

RESD 822 Operative Dentistry II, Lecture (1)

Indications, preparations, and placement of the direct gold aesthetic veneer, atypical cast gold, complex amalgam, and state board-type restorations.

RESD 822L Operative Dentistry II, Laboratory (1)

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

RESD 823L Operative Dentistry III, Laboratory (1)

RESD 844 Restorative Study Club Seminar (0.5)

RESD 854 Implant Dentistry (1)
Scientific and technical foundation for implant surgery and expansion of basic implant procedures. Postplacement care, long-term maintenance, and clinical complications associated with dental implants.

RESD 861 Senior Lecture in Removable Prosthodontics (1)

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

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 consists of two academic years completed in twenty-one months, with a strong clinical emphasis. Upon completion of the program, the student earns a D.D.S. degree from Loma Linda University.

FACULTY

R. Leslie Arnett, Jr., ORSR, PERI
Donald W. Bailey, RESD
Lloyd Baum, RESD
Roberto J. Carrillo, RESD
Alex Chieh-Chang Chan, RESD
William C. Domb, DNES
Steven D. Fraker, RESD
John P. Greenwood, RESD
William R. Herrera
Howard J. Ho
Elwin R. Hutchins, DNES
Ebenezer Johnson, RESD
Edward P. Johnston, RESD
Daniel D. Kersten, DNES
James Konugres, RESD
Frank H. F. Lee, RESD

Ming-Way Lee, RESD
Lynn L. McKendry, PERI
Harold Nemetz, RESD
Bruce A. Pence, RESD
Ralph A. Roberts, RESD
Amy Santimalapong, RESD
William S. Seibly, RESD
Peter D. Shaw, RESD
James A. Smith
Hajime Suya, RESD
James C. P. Tsai, RESD
Julian C. Tsai, RESD
Edward M. Van Doren
John M. Whittaker, RESD
Gary T. Wilson, RESD
Fariba G. Zarrabi, RESD



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 consists of two academic years completed in twenty-one months and 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 in 1985. Since then, classes of six or eight each have graduated annually twice a year.

Application

Application forms are available from the Office of Admissions. 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 Board Examination 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 March and September 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 2001-2002 academic year, the expenses are approximately \$11,000 per quarter (the twenty-one-month program consists of seven quarters). Each year the tuition cost is adjusted for inflation. Living expenses vary, depending on the student's

lifestyle. Generally, the living expenses range from \$800 to \$1,500 (or more) per month; or \$11,000 to \$20,000 (or more), for the twenty-one-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 that reflect the ideals of this program.

REQUIREMENTS FOR GRADUATION

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

1. Completed all requirements for admission to the chosen curriculum.
2. 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 chancellor and can be granted only by the chancellor. If a candidate has not satisfactorily fulfilled all requirements, the University reserves the right to prohibit participation in commencement exercises. Candidates who complete the program in December will march in the commencement prior to their graduation.

INTERNATIONAL DENTIST PROGRAM

DISTRIBUTION OF INSTRUCTION

Spring Start

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
IDP 1							
SPRING QUARTER							
ANES	752	Dental Anesthesia: Sedation Technique	22	-	-	22	2
IDPC	825	General Clinic	-	-	58	58	1
IDPE	764	Endodontics	10	26	-	36	2
IDPG	750	Review of General Dentistry	123	167	-	290	14
			155	193	58	406	19
IDP 2							
SUMMER QUARTER							
IDPC	825	General Clinic	-	-	400	400	9
IDPP	754	Clinical Periodontics	14	-	-	14	1
IDPR	845	Scientific Investigation and Research Design	28	8	-	36	IP
IDPR	846	Restorative Dentistry I	16	8	4	28	2
			58	16	404	478	12
FALL QUARTER							
IDPC	825	General Clinic	-	-	335	335	8
IDPR	845	Scientific Investigation and Research Design	8	-	-	8	4
IDPT	847	Dental Laboratory Technology	-	32	-	32	1
ORDN	801	Minor Tooth Movement	9	30	-	39	2
RESD	861	Advanced Removable Prosthodontics	24	-	-	24	2
RELF	717	Christian Beliefs and Life	24	-	-	24	2
			65	62	335	462	19
IDP 3							
WINTER QUARTER							
DNES	807	Practice Management I	-----Self-Study Course-----				1
IDPC	835	General Clinic	-	-	274	274	6
IDPR	847	Restorative Dentistry II	24	-	-	24	2
ODRP	761	Oral Pathology and Diagnosis	66	-	-	66	6
ORDN	811	Principles of Orthodontics II	11	-	-	11	1
PEDN	751	Pediatric Dentistry I (1 of 2)	11	-	-	11	1
			112	-	274	386	17
SPRING QUARTER							
DNES	809	Practice Management II	-----Self-Study Course-----				1
IDPC	835	General Clinic	-	-	287	287	7
IDPR	848	Restorative Dentistry III	24	-	-	24	2
PEDN	751	Pediatric Dentistry I (2 of 2)	22	-	-	22	2
PEDN	751L	Pediatric Dentistry Laboratory	-	33	-	33	1
PHRM	503	Clinical Pharmacology	22	-	-	22	2
RELE	734	Christian Ethics for Dentists	22	-	-	22	2
RELF	706	Adventist Beliefs and Life	22	-	-	22	2
			112	33	287	432	19

			CLOCK HOURS			UNITS	
			Lec./Semr.	Lab.	Clin.	Total	
IDP 4							
SUMMER QUARTER							
DNES	707	Personal Development	11	-	-	11	1
IDPC	845	General Clinic	-	-	405	405	9
IDPO	534	Oral Medicine- Orofacial Pain / TMD	22	-	-	22	2
IDPO	826	Oral and Maxillofacial Surgery	12	-	4	16	1
IDPP	755	Pediatric Dentistry Clinic	-	-	24	24	IP
			45	-	433	478	13
FALL QUARTER							
IDPC	845	General Clinic	-	-	368	368	8
IDPP	755	Pediatric Dentistry Clinic	-	-	24	24	1
IDPP	759	Special Topics in Periodontal Therapy	22	-	-	22	2
IDPT	754	Advanced Topics in Dentistry	22	-	2	24	2
			44	-	394	438	13
TOTALS			591	304	2185	3080	112
 Fall Start							
IDP 1							
FALL QUARTER							
IDPC	825	General Clinic	-	-	44	44	1
IDPE	764	Endodontics	10	26	-	36	2
IDPG	750	Review of General Dentistry	123	167	-	290	14
ORDN	801	Minor Tooth Movement	9	30	-	39	2
			142	223	44	409	19
IDP 2							
WINTER QUARTER							
DNES	807	Practice Management I	-----Self-Study Course-----				1
IDPC	825	General Clinic	-	-	243	243	6
IDPP	754	Clinical Periodontics	14	-	-	14	1
IDPR	846	Restorative Dentistry I	16	8	4	28	2
ODRP	761	Oral Pathology and Diagnosis	66	-	-	66	6
ORDN	811	Principles of Orthodontics II	11	-	-	11	1
PEDN	751	Pediatric Dentistry I (1 of 2)	11	-	-	11	1
			118	8	247	373	18
SPRING QUARTER							
ANES	752	Dental Anesthesia: Sedation Technique	22	-	-	22	2
DNES	809	Practice Management II	-----Self-Study Course-----				1
IDPC	825	General Clinic	-	-	300	300	7
PEDN	751	Pediatric Dentistry I (2 of 2)	22	-	-	22	2
PEDN	751L	Pediatric Dentistry Laboratory	-	33	-	33	1
RELE	734	Christian Ethics for Dentists	22	-	-	22	2
			66	33	300	399	15

			CLOCK HOURS				UNITS
			Lec./Semr.	Lab.	Clin.	Total	
IDP 3							
SUMMER QUARTER							
DNES	707	Personal Development	11	-	-	11	1
IDPC	835	General Clinic	-	-	361	361	8
IDPO	534	Oral Medicine-Orofacial Pain / TMD	22	-	-	22	2
IDPO	826	Oral and Maxillofacial Surgery	12	-	4	16	1
IDPR	845	Scientific Investigation and Research Design	28	8	-	36	IP
IDPT	847	Dental Laboratory Technology	-	32	-	32	1
			73	40	365	478	13
FALL QUARTER							
IDPC	835	General Clinic	-	-	360	360	8
IDPP	759	Special Topics in Periodontal Therapy	22	-	-	22	2
IDPR	845	Scientific Investigation and Research Design	8	-	-	8	4
IDPT	754	Advanced Topics in Dentistry	22	-	2	24	2
RESD	861	Advanced Removable Prosthodontics	24	-	-	24	2
RELF	717	Christian Beliefs and Life	24	-	-	24	2
			100	-	362	462	20
IDP 4							
WINTER QUARTER							
IDPC	845	General Clinic	-	-	338	338	8
IDPP	755	Pediatric Dentistry Clinic	-	-	24	24	IP
IDPR	847	Restorative Dentistry II	24	-	-	24	2
			24	-	362	386	10
SPRING QUARTER							
IDPC	845	General Clinic	-	-	340	340	8
IDPP	755	Pediatric Dentistry Clinic	-	-	24	24	1
IDPR	848	Restorative Dentistry III	24	-	-	24	2
PHRM	503	Clinical Pharmacology	22	-	-	22	2
RELF	706	Adventist Beliefs and Life	22	-	-	22	2
			68	-	364	432	15
TOTALS			591	304	2044	2939	110

COURSES

DENTISTRY

IDPC 825 General Clinics (6, 8)

The first two quarters of IDP general clinics.

IDPC 835 General Clinics (14, 12)

Third and fourth quarters of IDP general clinics.

IDPC 845 General Clinics (10, 12)

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

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.

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, prosthodontics, 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.

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.

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

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

IDPO 826 Oral and Maxillofacial Surgery (1)

Comprehensive review of oral and maxillofacial surgery for International Dental Students including pre-prosthetic surgery, dental alveolar surgery, implant surgery, oral trauma, maxillofacial trauma, orthognatic surgery, reconstruction, infections.

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.

IDPP 754 Clinical Periodontics (1)

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

IDPP 755 Pediatric Dentistry Clinic-IDP (1)

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

IDPP 759 Special Topics in Periodontal Therapy (2)

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

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.

IDPR 846 Restorative Dentistry I-IDP (2)

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

IDPR 847 Restorative Dentistry II (2)

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

IDPR 848 Restorative Dentistry III (2)

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

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.

IDPT 754 Advanced Topics in Dentistry (2)

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

IDPT 847 Dental Laboratory Technology (1)

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

REL 706 Adventist Beliefs and Life (2)

Study of the fundamental tenets of Seventh-day Adventist faith and of the lifestyle that such faith engenders.

REL 717 Christian Beliefs and Life (2)

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

V

ADVANCED DENTAL EDUCATION PROGRAMS

General Information

Programs

Admission Requirements

Interdisciplinary Courses

Dental Anesthesiology

Endodontics

Implant Dentistry

Oral and Maxillofacial Surgery

Orthodontics and Dentofacial Orthopedics

Pediatric Dentistry

Periodontics and Implant Surgery

Prosthodontics

Advanced Dental Education Programs

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

GENERAL INFORMATION

The School of Dentistry offers advanced education programs in specialty and non-specialty areas of dentistry. Graduate degrees—Master of Science and doctoral degrees—are available through combined programs with the Graduate School. The purpose of these programs is to offer candidates an opportunity to integrate advanced clinical training with meaningful exposure to applied basic science and research. For applications and additional information, 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 postgraduate programs. A doctoral degree in dentistry (Doctor of Dental Surgery or Doctor of Dental Medicine) or the equivalent is required for admission to all programs. The applicant should have achieved a general grade point average on a 4-point scale of not less than 3.0, with no 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, or the postdoctoral program in implant dentistry, they may apply for admission to the Graduate School for the purpose of earning an M.S. degree (in addition to the advanced program certificate). 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 2001-2002.

Thesis

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

General requirements

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

INTERDISCIPLINARY COURSES

Following is a description of various non-departmental interdisciplinary 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 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 GRDN 623) during Autumn and Winter Quarters. Course content includes applied oral bacteriology, immunology, topics in oral medicine, applied pharmacology, and orofacial pain. Students expected to have prior basic knowledge in the various topic areas.

GRDN 623 Biomedical Science II (4-5)

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

GRDN 632 Basic Microsurgery 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.

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.



DENTAL ANESTHESIOLOGY

JOHN W. LEYMAN, Director, Advanced Education Program

PROGRAM DESCRIPTION

This two-year, postdoctoral 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 dental anesthesiologist will be eligible to take the diplomate examination of the American Dental Board of Anesthesiology and to apply for a general anesthesia permit in any state of the United States.

FACULTY

David L. Anderson
John W. Leyman

Michael Mashni
Sungjun James Park
Larry D. Trapp

APPLICATION DEADLINE

Applications for July positions should be submitted no later than October 1 of the preceding year. Applications for January positions should be submitted by April 1 of the preceding year.

TUITION (2001-2002)

No additional tuition is required. Insurance and fees are \$307 per quarter.

REQUIRED COURSES**ANES 521 Principles of Medicine, Physical Diagnosis, and Hospital Protocol (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 train endodontists who are proficient in treating teeth that require root canal therapy (art), possess an in-depth biological knowledge related to endodontics (science), and have participated in endodontic research and teaching.

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

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

FACULTY

Hamid R. Abedi
Leif K. Bakland
Melvin Coleman
G. Reed Cummings
Robert J. Frank
Charles M. Holman
Lee R. Ingersoll
Steve McNicholas
Steven G. Morrow

John C. Munce
Shahab Noorvash
Geoffrey T. Okada
Donald L. Peters
Merrill E. Schmidt
Shahrokh Shabahang
James H. Simon
Hong-Ming Tang
Sony Thomas
Mahmoud Torabinejad
David J. Wolfe

APPLICATION DEADLINE

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

TUITION (2001-2002)

Tuition is \$6,700 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 499 Directed Study (1)**
Comprehensive study of various clinical techniques on extracted teeth.
- 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)**

INTERDISCIPLINARY 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)**
- GRDN 651 Scientific Writing (2)**
- ORPA 531 Clinical Oral Pathology (2)**
- ORPA 533 Radiology (2)**
- REL_ __ Religion elective (3)**



IMPLANT DENTISTRY

JAIME L. LOZADA, Director, Advanced Education Program

PROGRAM DESCRIPTION

The advanced education program in implant dentistry leads to a certificate; additionally, a Master of Science degree may be obtained. The program is designed to prepare the student for the practice of implant dentistry and to provide the foundation for the continued acquisition of knowledge and clinical skills in this demanding area.

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

Nicholas Caplanis, RESD
Tony Daher, RESD, PROS
Charles J. Goodacre, RESD, PROS
Oliver Hanisch, RESD
Babak Hosseini
Joseph Y. K. Kan, RESD

In Chul Kim, RESD
Alejandro A. Kleinman
Jaime Lozada
Carl E. Misch
Winston J. A. Nethery, PROS
Jeffery I. Rosenberg, RESD
Pascal Valentini

APPLICATION DEADLINE

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

TUITION (2001-2002)

During the first quarter of the program, only insurance and student fees are charged (2001-2002 rate is \$307). First-year students in quarters two through five (Summer, Autumn, Winter, Spring) pay regular tuition, which includes fees. The 2001-2002 tuition is \$6,700 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. The third-year students will pay only \$307 per quarter for insurance and fees.

REQUIRED COURSES**IMPD 505 Patient Presentation Seminar (1)**

Implant patient-treatment presentations, discussion of alternate methods of rehabilitation, and related literature.

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 585 Implant Prosthodontics (2)

In-depth didactic and clinical instruction on techniques and procedures related to the rehabilitation of patients with prosthodontic devices supported by dental implants. Advanced clinical and laboratory procedures, with emphasis on implant restorations for completely and partially edentulous patients. Special emphasis on attachments and superstructure design.

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 that take place in the tissues surrounding dental implants following their placement.

IMPD 654 Practice Teaching in Implant Dentistry (3)

Teaching experience in implant prosthodontics and implant surgery.

IMPD 697 Research (2)**IMPD 698 Thesis (1)****INTERDISCIPLINARY 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 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 (2)****PROS 500 Current Prosthodontic Literature Review (2)****PROS 510 Clinical Practice of Prosthodontics (400 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 595 Maxillofacial Prosthetics (2)****PROS 637 Geriatric Dentistry (1)****REL_ __ Religion elective (3)**

ORAL AND MAXILLOFACIAL SURGERY

PHILIP BOYNE, Interim 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 resident 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 Dental 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. License to practice in California is required.

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

FACULTY

Wilson Baugh
Philip J. Boyne
Lorenz F. de Julien
Liviu F. Eftimie
Alan S. Herford
Keith D. Hoffmann
Albert W. Lin
Edward C. Marshall
Suzanne U. McCormick
James Sellas
Kenneth R. Spint
Dale E. Stringer
Wayne K. Tanaka
Harvey Zalsman, Jr.

APPLICATION DEADLINE

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

TUITION (2001-2002)

Tuition is \$2,700 per quarter for the first three years, including insurance and fees. Fourth-year residents will pay only \$307 per quarter for insurance and fees.

INTERDISCIPLINARY 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)

REL_ ___ 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 resident to practice the specialty of orthodontics or to pursue a teaching career.

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

The master'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

Ruel M. Bench
Joseph M. Caruso
Ivan Dus
Michael J. Fillman

Duane C. Grummons
V. Leroy Leggitt
Roland D. Neufeld
Robert M. Ricketts
R. David Rynearson
Willis L. Schlenker

APPLICATION DEADLINE

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

TUITION (2001-2002)

Tuition is \$6,700 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 526 Applied Anatomy (2)

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

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 mal-occlusion. 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 608 Physiology and Pathology of Speech (1)

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

ORDN 625 Clinical Practice in Orthodontics (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)**

INTERDISCIPLINARY REQUIRED COURSES

- GRDN 509 Research and Statistics I (3)
- GRDN 601 Practice Management (2)
- GRDN 607 Research and Statistics II (3)
- GRDN 609 Professional Ethics (2)

- GRDN 623 Biomedical Science II (5)
- GRDN 651 Scientific Writing (2)
- ORPA 531 Clinical Oral Pathology (2)
- ORSR 641 The Application of Surgical Principles to Orthognathic Surgery (2)
- REL_ ___ Religion elective (3)



PEDIATRIC DENTISTRY

JOHN PETERSON, JR., Director, Advanced Education Program

PROGRAM DESCRIPTION

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

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

FACULTY

Shahnaz Bonyanpoor
Amy Chong
Joseph Creech, Jr.
Mervin L. Ellstrom
Paula Leyman
John R. Liu
Oariona Lowe
Melba Mayes
J. Todd Milledge
Wesley M. Morikawa

Fernando Munoz
Rick J. Nichols
Farnaz Nouryani
Wesley Okumura
John Peterson, Jr.
Isabella Piedra-Munoz
Jon Sayed
Maria Sheu
Chris E. Wacker
Melva Wyatt
Stuart S. Yoon
Julie-Ann Zerne-Young

APPLICATION DEADLINE

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

TUITION (2001-2002)

Tuition is \$6,700 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 521 Oral Sedation Seminar (2)

A seminar on the subject of oral sedation for the behavior management of the child dental patient.

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 (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 outpatient and inpatient 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.

INTERDISCIPLINARY 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)****GRDN 651 Scientific Writing (2)****ORPA 531 Clinical Oral Pathology (2)****ORPA 533 Radiology (2)****ORDN 545 Growth and Development (3)****ORDN 606 Craniofacial Genetics (2)****ORDN 608 Physiology and Pathology of Speech (1)****REL_ ___ Religion elective (3)****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)

Required for M.S. degree track.

PEDN 698 Thesis (arranged)

Required for M.S. degree track.

PERIODONTICS AND IMPLANT SURGERY

MAX CRIGGER, Director, Advanced Education Program

PROGRAM DESCRIPTION

The three-year-advanced education program in periodontics and implant surgery leads to a certificate in periodontics; additionally a Master of Science degree may be obtained.

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

The Master of Science degree track prepares the resident for academic careers in periodontal research and teaching. The resident is required to complete one or more research projects and to be involved in clinical and didactic predoctoral teaching activities.

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

FACULTY

Thomas S. Adamich
J. Patrick Bishop
Gary C. Bogle
Paul Chu
Max Crigger
J. Paul Fuentes
Bernard G. Gantes

Dale Johnstone
Tord Lundgren
Peter Nordland
Richard K. Parris
W. Eugene Rahtbun
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 (2001-2002)

Tuition is \$6,700 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 (6)

Review of the literature that 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 that forms the basis for current concepts of the treatment of periodontal diseases.

PERI 604 Current Periodontal Implant Literature (24)

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

PERI 605 Implant Review (2)

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

PERI 611 Introduction to Periodontics (2)

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

PERI 614 Implant Treatment Planning and Restoration (2)

Students required to present cases that involve mutual interests. Scope of the report includes a full documentation of patient data. Presenter offers a treatment plan (or plans), with supporting rationale open for discussion. Presentations to be at least partially formatted and archived for distance learning and future review regarding outcomes.

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 (1)

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)

INTERDISCIPLINARY 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 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)

REL_ __ Religion elective (3)

PROSTHODONTICS

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

The program begins in July and requires thirty-three months to complete the certificate.

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

FACULTY

D. Guillermo Bernal
Wayne Campagni
Tony Daher, IMPD, RESD
Charles J. Goodacre, IMPD, RESD

John B. Holmes, RESD
Joseph Y. K. Kan, IMPD
Daniel Kantarovich, RESD
Gale D. Kloeffer
W. James Nethery, IMPD, RESD

APPLICATION DEADLINE

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

TUITION (2001-2002)

Tuition is \$6,700 per academic quarter and includes insurance and fees. Instruments and textbooks are not included.

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 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 565L Complete Denture Prosthodontics, Laboratory (2)**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 575L Fixed Partial Prosthodontics, Laboratory (2)**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 604 Literature Review in Implant Dentistry for Prosthodontists (16)

Designed to give the postdoctoral student a deeper understanding of the research and literature currently available on the restoration of implants. Emphasis on biomechanics of implant restorations.

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)**

INTERDISCIPLINARY REQUIRED COURSES

GRDN 509 Research and Statistics I (3)

GRDN 555 TMJ Function and Dysfunction (1)

GRDN 607 Research and Statistics II (3)

GRDN 609 Professional Ethics (2)

GRDN 622 Biomedical Science I (4)

GRDN 651 Scientific Writing (2)

ORPA 531 Clinical Oral Pathology (2)

IMPD 561 Dental Bioengineering (2)

IMPD 611 Introduction to Implant Dentistry (2)

IMPD 631 Oral Implant Surgery (1/quarter, 3 quarters)

REL_ ___ Religion elective (3)



VI

FACULTY OF RELIGION

Mission Statement

Courses

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

FOUNDATIONAL STUDIES

BIBLICAL STUDIES

RELF 404 New Testament Writings (2-3)

Interpretation of selected letters and passages of the New Testament, with a view to their theological and practical significance for today.

Additional project required for third unit.

RELF 419 Gospel of John (2-3)

Key passages and themes in John, with an exploration of its message for today.

Additional project required for third unit.

RELF 424 Hebrew Prophets (2-3)

Selected books, passages, and themes in the writings of the Old Testament prophets, with an exploration of their theological and practical significance for today.

Additional project required for third unit.

RELF 426 Mission and Message of Jesus (2-3)

Study of the healing ministry and redemptive message of Jesus, with application to health professionals.

Additional project required for third unit.

RELF 428 Gospel of Mark (2-3)

Key passages and themes in Mark, with an exploration of its message for today.

Additional project required for third unit.

RELF 429 Gospel of Luke (2-3)

Key passages and themes in Luke, with an exploration of its message for today.

Additional project required for third unit.

RELF 439 Gospel of Matthew (2-3)

Key passages and themes in Matthew, with an exploration of its message for today.

Additional project required for third unit.

RELF 464 Paul's Letter to the Romans (2-3)

Chapter-by-chapter interpretation of Paul's most influential letter, in which the good news of God's salvation is applied to the issues of Christian life and community.

Additional project required for third unit.

RELF 468 Daniel (2-3)

Nature, purpose, and message of the apocalyptic book of Daniel.

Additional project required for third unit.

RELF 469 Revelation (2-3)

Nature, purpose, and message of the apocalyptic book of Revelation.

Additional project required for third unit.

RELF 474 Love and Sex in Biblical Teaching (2-3)
 Study of Scripture on the reality, nature, and challenges of love, both divine and human; and of key biblical passages on the goodness, meaning, and distortions of human sexuality.

Additional project required for third unit.

RELF 475 Spirituality and the Contemporary Christian (2-3)

Exploration of the meaning of spirituality in the light of Scripture and Christian thought, and study of practices and disciplines that form and mature an individual's spiritual life.

Additional project required for third unit.

RELF 476 The Bible and Ethics (2-3)

Ways in which the Bible and ethics are related. Major ethical themes in biblical teaching.

Additional project required for third unit.

RELF 499 Directed Study (1-3)

Prerequisite: Consent of instructor.

RELF 558 Old Testament Thought (3-4)

Introduction to the literature and key theological themes of the Old Testament.

Additional project required for fourth unit.

RELF 559 New Testament Thought (3-4)

Introduction to the literature and key theological themes of the New Testament.

Additional project required for fourth unit.

RELF 699 Directed Study (1-6)

Prerequisite: Consent of instructor.

THEOLOGICAL STUDIES

RELF 406 Adventist Beliefs and Life (2-3)

Fundamental tenets of Seventh-day Adventist faith and the lifestyle that such faith engenders.

Additional project required for third unit.

RELF 415 Philosophy of Religion (2-3)

Philosophical study of religion, including the nature and function of religious language, evidence for the existence of God, the problem of evil, and religious diversity.

Additional project required for third unit.

RELF 416 God and Human Suffering (2-3)

Suffering and evil in relation to the creative and redemptive purposes of God for this world.

Additional project required for third unit.

RELF 417 Christian Beliefs and Life (2-3)

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

Additional project required for third unit.

RELF 437 Current Issues in Adventism (2-3)

Selected theological, ethical, and organizational questions of current interest in Adventism, with the goal of preparation for active involvement in the life of the Seventh-day Adventist church. Recommended for students with a Seventh-day Adventist background.

Additional project required for third unit.

RELF 538 Doctrine of Humanity (3-4)

The Christian understanding of the nature and destiny of human beings.

Additional project required for fourth unit.

RELF 539 Doctrine of God (3-4)

Study of the nature and attributes of God, the trinitarian concept of God, and God's relation to the temporal world.

Additional project required for fourth unit.

RELF 557 Theology of Human Suffering (3-4)

Suffering and evil in relation to the creative and redemptive purposes of God for this world. Focus on formation of student's theology of human suffering.

Additional project required for fourth unit.

RELF 604 Seminar in Religion and Science (3-4)

Research seminar in the relation between religion and science.

Additional project required for fourth unit.

Prerequisite: Consent of instructor.

RELF 615 Seminar in Philosophy of Religion (3-4)

Examination of the concept of God, arguments for the existence of God, the relationship of faith and reason, and the nature of religious language.

Additional project required for fourth unit.

MISSION STUDIES

RELF 440 World Religions (2-3)

Survey of the origins, beliefs, and contemporary practices of the world's major religious systems. Attention to the interaction between specific religions and their cultures and to similarities, differences, and potential for understanding among the religions.

Additional project required for third unit.

RELF 444 Christian Mission (2-3)

Biblical theology applied to defining the concerns, structures, and methods of Christian mission. Concept of the Church, the definition of missionary, and the priorities of mission.

Additional project required for third unit.

RELF 447 Crosscultural Ministry (2-3)

Study of the challenges of serving crosscultural situations from a Christian mission perspective, using the insights of missiology and cultural anthropology as they relate to personal and professional growth, social change, and effective intercultural communication and service.

Additional project required for third unit.

RELF 534 Anthropology of Mission (3-4)

Study of Christian mission, applying the findings of anthropology as they relate to cultural change. Processes of religious development, means of diffusion, factors affecting religious acculturation, and analysis of programs intended to effect changes in religion.

Additional project required for fourth unit.

HISTORICAL STUDIES

RELF 407 Comparative Religious Experience (2-3)

Examination of the religious experience held by adherents of various Christian confessions. Additional project required for third unit.

RELF 423 Loma Linda Perspectives (2-3)

History and philosophy of Loma Linda University as a Christian health-sciences institution that fosters human wholeness.

Additional project required for third unit.

RELF 425 Contemporary Religious Issues (2-3)

Analysis of prominent topics in religion discussed in contemporary journals.

Additional project required for third unit.

RELF 436 Adventist Heritage and Health (2-3)

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

Additional project required for third unit.

RELF 555 Adventist Experience (3-4)

Introduction to the beliefs and values that shape the Seventh-day Adventist community.

Additional project required for fourth unit.

ETHICAL STUDIES

RELE 448 Christian Business Ethics (2-3)

Christian and other perspectives on ethical issues in business, and their pertinence to health care delivery and administration.

Additional project required for third unit.

RELE 455 Christian Understanding of Sexuality (2-3)

Interpretations of human sexuality in ancient, medieval, and modern Christian thought, with emphasis on contemporary issues such as marriage, divorce, homosexuality, and artificial human procreation.

Additional project required for third unit.

RELE 456 Personal and Professional Ethics (2-3)

Introductory exploration of the foundations, norms, and patterns of personal integrity in professional contexts.

Additional project required for third unit.

RELE 457 Christian Ethics and Health Care (2-3)

Ethical issues in modern medicine and related fields from the perspective of Christian thought and practice.

Additional project required for third unit.

RELE 458 Ethical Issues in Health Care (2-3)

Discussions of ethical issues in modern medicine and related fields. (For off-campus program only.)

Additional project required for third unit.

RELE 499 Directed Study (1-3)

Prerequisite: Consent of instructor.

RELE 505 Clinical Ethics (3)

In-depth, case-based analysis of bioethics, with emphasis on clinical applications. Background conceptual and historical readings orient students to the issues highlighted by classic cases in bioethics.

RELE 522 Bioethical Issues in Social Work (3-4)

Theoretical and practical dilemmas in contemporary biomedical ethics. Emphasis on the distinctive contributions social workers can make to the identification, clarification, and resolution of these dilemmas.

Additional project required for fourth unit.

RELE 524 Christian Bioethics (3-4)

Advanced analysis of ethical issues and options in medicine and related fields. Contributions of Christian thought and life. Topics selected in part by student priorities.

Additional project required for fourth unit.

RELE 525 Ethics for Scientists (3-4)

Ethical presuppositions and obligations of scientific research, particularly in the physical and biological sciences. Identification, clarification and resolution of ethical issues in scientific research, with emphasis on Christian contributions.

Additional project required for fourth unit.

RELE 534 Ethical Issues in Public Health (3-4)

Theoretical and practical appraisals of the ethical issues and alternatives encountered by public health administrators, educators, and investigators.

Additional project required for fourth unit.

RELE 548 Christian Social Ethics (3-4)

Implications of Christian belief for selected problems in social ethical theory and practice.

Additional project required for fourth unit.

RELE 554 Clinical Intensive in Biomedical Ethics I (4)

Theories and applications of clinical biomedical ethics.

RELE 555 Clinical Intensive in Biomedical Ethics II (4)

Theories and applications of clinical biomedical ethics.

Prerequisite: RELE 554.

RELE 577 Theological Ethics (3-4)

Primary theological legacies of Western culture. Relationships between doctrinal formulations and interpretations of health and healing; possible contribution of each legacy to contemporary therapeutic endeavors.

Additional project required for fourth unit.

RELE 588 Philosophical Ethics (3-4)

Critical analysis of the basic theories propounded in Western philosophical ethics. Study of writings of major ethical theorists, including Plato, Aristotle, Kant, and Mill. Philosophical ethics compared with Christian faith.

Additional project required for fourth unit.

RELE 589 Biblical Ethics (3-4)

Exploration of the nature of biblical ethics and the contribution which the Bible makes to ethical reflection and action.

Additional project required for fourth unit.

RELE 624 Seminar in Christian Ethics (3-4)

Advanced study of selected topics in Christian ethics.

Additional project required for fourth unit.

Prerequisite: Consent of instructor.

RELE 699 Directed Study (1-6)

Prerequisite: Consent of instructor.

RELATIONAL STUDIES

APPLIED THEOLOGY

RELR 404 Christian Service (1-2)

Participation in approved service learning with written reflection on the Christian reasons for service.

Additional project required for second unit.

RELR 448 Leadership in the Church and Community (2-3)

Theology and practice of lay church involvement and leadership by health care professionals.

Additional project required for third unit.

RELR 528 Christian Citizenship and Leadership (3-4)

Christian principles for fostering healthy communities and transforming the institutions of society. Study will include the function of religion in society and the significance of Christian faith for public leadership and social policies.

Additional project required for fourth unit.

RELR 565 Introduction to Pastoral Theology (3-4)

Study of the biblical, theological, and historical foundations for the practice of ministry.

Additional project required for fourth unit.

RELR 567 Introduction to Pastoral Counseling (3-4)

Overview of theology, history, theory, and practice of pastoral counseling.

Additional project required for fourth unit.

RELR 574 Introduction to Preaching (3-4)

Exploration of the theology, content, and practice of Christian proclamation, with emphasis on the development of basic skills for the preparation and delivery of biblical messages in a variety of settings.

Additional project required for fourth unit.

CLINICAL MINISTRY

RELR 398 Practicum in Integrative Health Care (2)

Practical study of knowledge, values, attitudes, and skills contributing to student's personal growth and to healing of the patient. Special attention to personal wholeness, including physical, mental, relational, and spiritual dimensions.

For off-campus program only.

RELR 409 Christian Perspectives on Death and Dying (2-3)

From a Christian perspective, consideration of the meaning of death, including: the process of dying, cultural issues regarding death and dying, grief and mourning, suicide, and other related issues.

Additional project required for third unit.

RELR 427 Crisis Counseling (2-3)

Crisis phenomena, current crisis theory, a Christian model of crisis care, and the dynamics and practices of crisis care.

Additional project required for third unit.

RELR 475 Art of Integrative Care (2-3)

Principles, concepts, and practices that affect the ministry of health care and the Christian witness in the clinical setting.

Additional project required for third unit.

RELR 524 Clinical Pastoral Education (6-12)

Twelve-week course including supervised experience with patients, lectures by hospital staff, hospital rounds with physicians, seminars and conferences. Five eight-hour days per week. [Limited enrollment. Credit earned in this course is recognized by the Association for Clinical Pastoral Education, Incorporated.]

RELR 525 Health Care and the Dynamics of Christian Leadership (3-4)

Focus on the components of leadership principles in the practice of health care. Exploration of the imperative of moral leadership in the community, administrative, and clinical setting.

Additional project required for fourth unit.

RELR 527 Crisis Counseling (3-4)

Crisis phenomena, current crisis theory, a Christian model of crisis care, and the dynamics and practices of crisis care.

Additional project required for fourth unit.

RELR 568 Care of the Dying and Bereaved (3-4)

Study of the biblical, theological, cultural, relational and psychological aspects of dying and death.

Additional project required for fourth unit.

RELR 575 Art of Integrative Care (3-4)

Examination of the attitudes and actions of the health care professional relative to personal spirituality and patient witnessing.

Additional project required for fourth unit.

RELR 694 Seminar in Clinical Ministry (3-4)

Principles and practice of effective interaction with patients, parishioners, inmates, and other populations.

Additional project required for fourth unit.

PSYCHOLOGY OF RELIGION

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

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

Additional project required for third unit.

RELR 415 Christian Theology and Popular Psychology (2-3)

From a Christian perspective, exploration of the psychological principles, concepts, and practices apparent in popular American culture; and their effect on the general public.

Additional project required for third unit.

RELR 429 Cultural Issues in Religion (2-3)

Study of similarities and differences between European-American culture and "minority" cultures in America, and the differences pertaining to the way religion is perceived and practiced.

Additional project required for third unit.

RELR 499 Directed Study (1-3)

Prerequisite: Consent of instructor.

RELR 535 Spirituality and Mental Health (3-4)

Explores the interrelationship between spirituality and mental health. Seeks to enhance understanding of the term "spirituality" and its therapeutic effects within the context of religious traditions.

Additional project required for fourth unit.

RELR 564 Religion, Marriage, and the Family (3-4)

The family in theological, historical, and ethical perspectives, with a Christian assessment of contemporary theories regarding the family.

Additional project required for fourth unit.

RELR 584 Culture, Psychology, and Religion (3-4)

Introduction to the major contours of Western culture as they relate to various schools of psychological thought and the influence of religious beliefs.

Additional project required for fourth unit.

RELR 585 Psychological Study of Religion (3-4)

Psychological research of religion from an eclectic approach. Faith development, ethnographic varieties of religious experiences, narrative analysis, and crosscultural religious experiences.

Additional project required for fourth unit.

RELR 586 Psychology of Moral and Faith Development (3-4)

Study of logical, moral, and faith reasoning from a cognitive-developmental perspective. How cultural and religious norms affect moral thinking.

Additional project required for fourth unit.

RELR 699 Directed Study (1-6)

Prerequisite: Consent of instructor.

GENERAL RELIGIOUS STUDIES

RELG 504 Research Methods (2-4)

Examination of the presuppositions and procedures for graduate research in religious studies. Use of libraries and research centers. Ways and means of preparing and presenting term papers, theses, and scholarly articles.

Additional project required for fourth unit.

RELG 674 Reading Tutorial (3-4)

Reading course for graduate students in religious studies. Topics vary depending on student and instructor interests.

Additional project required for fourth unit.

Prerequisite: Consent of instructor.

RELG 695 Clinical Internship (400 clock hours)

Supervised clinical internship. At least one hour of individual supervision per week and a final evaluation from the supervisor at the completion of 400 hours of clinical internship.

Prerequisite: Consent of instructor and of student's adviser.

RELG 696 Project (1-4)

Prerequisite: Consent of instructor and of student's adviser.

RELG 697 Independent Research (1-8)

Prerequisite: Consent of instructor and of student's adviser.

RELG 698 Thesis (1-4)

Prerequisite: Consent of instructor and of student's adviser.

VII

DIVISION OF GENERAL STUDIES

LLU Philosophy of General Education

Criteria for LLU General Education Courses

LLU General Education Requirements

LLU General Education Courses Booklet

LLU General Education Courses Offered by the School

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 Bachelor of Science degree programs in the Graduate School and in the Schools of Nursing, Dentistry, Allied Health Professions, and Public Health. These courses contribute to the fulfillment of General Education requirements.

LOMA LINDA UNIVERSITY PHILOSOPHY OF GENERAL EDUCATION

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

General education at Loma Linda University consists of courses, lectures, programs and activities coordinated with the intent to integrate faith and learning. In addition to the basics of cultural heritage and diversity, scientific inquiry and analysis, communication, and wellness, the curriculum emphasizes the University's spiritual heritage as well as moral and ethical decision-making that is grounded in Christian principles. Thus, general education is considered to be the cornerstone upon which students begin cultivating their abilities to:

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

The Loma Linda University philosophy of general education creates a unique learning environment committed to the concept of human wholeness. Faculty are selected who embrace the

spirit as well as the specifics of general education and who purpose to extend its goals into all aspects of university life—from the residence hall programs to the core of professional studies—thus adding an invisible curriculum to the required course offerings. It is this spirit in tandem with the specifics of a liberal arts education that inspires students to achieve academic excellence, value diversity, pursue lifelong learning, and live to bless others.

LOMA LINDA UNIVERSITY CRITERIA FOR GENERAL EDUCATION COURSES

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

LLU GENERAL EDUCATION REQUIREMENTS (68 quarter credits)

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

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

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

The study of cultural heritage must include a minimum of 12 credits. The credits in cultural heritage must be selected from two of the following 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.

The study of social sciences must include one course (or components integrated into several courses) dealing specifically with issues of human diversity among peers. The remainder of credits in the social sciences must be selected from 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 different physical activities totaling a minimum of 1 quarter credit, and one course in personal health or nutrition. Additional credits may include other areas of health, nutrition, and physical fitness.

DOMAIN 5: ELECTIVES

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

LLU GENERAL EDUCATION COURSES BOOKLET

A complete listing of courses offered at this University to meet General Education domain requirements is included in the *Loma Linda University General Education Philosophy, Requirements, and Courses* booklet. For access to the handbook and its information regarding each General Education course, the student should consult his/her academic adviser.

LLU GENERAL EDUCATION COURSES OFFERED BY THE SCHOOL**DOMAIN 1: SPIRITUAL AND CULTURAL HERITAGE (28-32 quarter credits)
CULTURAL HERITAGE****DNHY 408 Professional Ethics (2)**

Develops understanding of hygienist's obligations to the public and to his/her professional association. Defines the ethical and mature conduct expected of professional health care providers. Compares and contrasts professional ethics and personal morality as they relate to dental hygiene practice.

DNHY 409 Jurisprudence (2)

Laws and regulations that govern the practice of dental hygiene, with special emphasis on California regulations. Standards of government regulations. Obligations of the hygienist to the public and to his/her profession.

**DOMAIN 2: SCIENTIFIC INQUIRY AND ANALYSIS (24-32 quarter credits)
NATURAL SCIENCES****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.

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.

DNHY 414 Personal Finance (2)

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

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

DNHY 499 Research Writing (2)

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

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

DNHY 317 Applied Nutrition (2)

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

DNHY 407 Community Health Principles (3)

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

DOMAIN 5: ELECTIVES

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



VIII

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 RONALD J. DAILEY, M.A., Ph.D., Associate Dean for Academic Affairs
 WILLIAM M. HOOKER, Ph.D., Associate Dean for Student Affairs
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NOMINATING
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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, DDS	RESD	Caplanis, Nicholas, DMD	RESD
Abedi, Hamid, BDS, MA	ENDN	Carmicino, Kathleen, BS, MBA	DNHY
Abensur, David, DDS	RESD	Carpenter, Mark, DDS, MPH	DNES
Adamich, Thomas, DDS	PERI	Cartwright, Susan, DDS	PERI
Al-Abdulla, Angham, DDS, BA	RESD	Caruso, Joseph, DDS, MS	ORDN
Al-Rasheed, Abdulaziz, BDS	PERI	Casellini, Renzo, DDS	RESD
Allen, William, Ph.D., BA	DNES	Castro, Sylvia, BS	DNHY
Anderson, David, DDS, BA	ANES	Chan, Gary, DDS	ANES
Andreiko, Craig, DDS, MS	ORDN	Chan, Alex, DDS, BDS	RESD
Anholm, J. Milford, DDS	ORDN	Chanez, Tom, DDS, BA	ORSR
Appleton, Stanton, DDS, MPH	ODRP	Chang, Bernard, DDS, MS	ORDN
Aranyarachkul, Prasit, DDS	PERI	Chang, Eddie, DDS, BS	PEDN
Armstrong, Daniel, DDS, BS	RESD	Chavez, Carlos, DDS, MS	RESD
Armstrong, Darlene, BS	DNHY	Cheek, D. Darlene, MPH, BS	DNHY
Arnett, William, DDS	ORSR	Chin, Martin, DDS, BS	ORSR
Arnett, Jr., R. Leslie, DDS, MS	PERI	Cho, James, DDS, MS	RESD
Aronovitz, Robert, DDS, BA	PERI	Choi, Andrea, DDS	RESD
		Chongm Amym DDS	PEDN
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Bakland, Leif, DDS	ENDN	Chu, Paul, DDS	PERI
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Barry, Jennifer, BS, DDS	PEDN	Claffey, Noel, BDS, Other Mas	PERI
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Bernal, D. Guillermo, DDS, MSD	RESD	Creech, Jr., Joseph, DDS, BA	PEDN
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Bruinsma, Tina, BS	DNHY	Dinger, Coralie, BS	DNHY
Buffenmeyer, Sandra, DDS, BS	RESD	Dohr, Mak Nai, BS, AS	DNHY
Bui, Daniel, DDS	RESD	Domb, William, DDS	RESD
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Caley, James, DDS, BS	ANES	Dumitrescu, Adrian, DDS	RESD
Campagni, Wayne, DMD	RESD	Dunn, James, DDS, BA	RESD
		Dupper, Gilbert, DDS	RESD
		Dus, Ivan, MD	ORDN

Eftimie, F. Liviu, DDS	ORSR	Hassan, Mohamed, BDS	PERI
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		Kloeffler, Gale, DDS, BS	RESD
Haglund, Laurel, BS	DNHY	Ko, Judith, DDS, BS	RESD
Hall, Bertin, DDS	RESD	Koh, Alexander, DDS, BS	PERI
Hamerslough, Rhonda, BS, BS	DNHY	Konugres, James, DDS	RESD
Handysides, Robert, BS, DDS	ODRP	Krauss, Kenneth, DDS	RESD
Hansen, Kent, BA, JD	DNES	Kunihira, Richard, DDS	RESD
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Leggitt, V. Leroy, DDS, MS	ORDN	Noorvash, Shahab, DDS, BS	ENDN
Lennan, Patricia, BS, AS	DNHY		
Lenoir, Leticia, BS	DNHY	Ojano, Mac-Rey, DDS, DMD	RESD
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Li, Yiming, DDS, MSD	RESD		
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Lier, Anthony, DDS, BS	ORDN	Park, Song Joon, DDS	RESD
Lin, Albert, DDS, BS	ORSR	Park, Sungjin, DDS, BS	ANES
Litvinoff, Gregory, DDS, BS	ORSR	Parris, Richard, DDS	PERI
Liu, Yong, DDS, MS	PERI	Pence, Bruce, DDS	RESD
Loveless, William, Other Bach, MA	DNES	Peng, Wei-Peng, DDS, BA	RESD
Lozada, Jaime, DDS	RESD	Pesh, Shawn, BS, DDS	RESD
Lundgren, Tord, DDS	PERI	Peters, Donald, DDS, MS	ENDN
		Peterson, John, DDS	PEDN
Marshall, Edward, DDS	ORSR	Piedra-Munoz, Isabella, DDS, Cert	PEDN
Martin, Lin, DDS, Other Mas	RESD	Plata, Roger, DDS, BA	RESD
Mashni, Michael, DDS, BS	ANES	Prieto, Claudia, DDS	ENDN
Mayes, Melba, DDS, MS	PEDN	Prousaefs, Periklis, DDS	RESD
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McDonald, Pearl, BS	DNHY	Punjabi, Bindoo, DDS	RESD
Meadows, Debra, DDS, BS	ENDN		
Milledge, J. Todd, DDS	PEDN	Quishenberry, Mary, BS	DNHY
Mishra, Ranu, BDS	RESD		
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Naylor, William, DDS	DNES	Rudd, M. Timothy, DDS	DNES
Nazaroff, Leslie, DrPH, MPH	PERI	Rungcharassaeng, Kitichai, DDS, MS	RESD
Nelson, Peter, DDS	RESD	Russo, Marisa, BS	DNHY
Nelson, Kevin, DDS	RESD	Rynearson, R., DDS, BA	ORDN
Nelson, Bonnie, DDS	PEDN		

Santimalapong, Amy, DDS, DMD	RESD	Torres, Fidel, DDS, Cert	RESD
Sayed, Jon, DDS, MS	PEDN	Torres, Andres, DDS	RESD
Sceville, Jodi, DDS	RESD	Tracey, Stephen, DDS, BS	ORDN
Schlenker, Willis, DDS, MS	ORDN	Trapp, Larry, DDS, BS	ANES
Schmidt, Merrill, DDS	ENDN	Turner, Rodney, DDS	DNES
Schnepper, Harold, DMD, MSD	RESD		
Schumacher, Mary, BS	DNHY	Urban, Istvan, DMD, MD	RESD
Secor, Ronald, MBA	DNES		
Seibly, William, DDS, BA	RESD	Valadez, Barbara, AS	PERI
Seifert, Laurence, DDS, BS	ORDN	Valentini, Pascal, DDS	RESD
Shabahang, Shahrokh, DDS	ENDN	Vongschanphen, Nicole, BS	DNHY
Shaw, Peter, DDS	RESD	Vu, Phung (Mindy), DDS	DNES
Shellard, Edward, DDS	RESD		
Sheu, Maria, DDS, Cert	PEDN	Wacker, Duane, DDS	ODRP
Shryock, Edwin, DDS	RESD	Walter, Robert, DDS	RESD
Simon, James, DDS	ENDN	Walter, Robert, DDS	RESD
Simpson, Karen, BS, MPH	DNHY	Wang, Hugh, DDS, MS	RESD
Singh, Shalini, DDS, BDS	PERI	Webster, Deborah, BS	DNHY
Slater, Shelley, BS	PERI	Welebir, Matthew, DDS	RESD
Sljivar, Mikan, DDS	ANES	West, Victor, BDS	ORDN
Smith, Brian, DDS	RESD	Westrick, Charles, PhD	DNES
Soper, Barton, DDS	ORDN	Whittaker, John, BDS	RESD
Spint, Kenneth, DMD, BS	ORSR	Wical, Kenneth, DDS, MSD	RESD
Steinbrunn, Corey, BS	DNHY	Wiggins, Jeremy, DDS	PEDN
Stephens, Jonell, BS, MS	DNHY	Wilkins, Kristi, BS	DNHY
Stilson, Douglas, DDS	RESD	Wilson, Gary, DDS	RESD
Strand, Peter, DDS, Cert	ORDN	Winer, Myron, BS, DDS	RESD
Strutz, Judith, DDS, BA	RESD	Wise, James, DDS, BA	ORDN
Sugita, Julie, DDS, BS	PERI	Witherow, Donald, DDS	ODRP
Sugiyama, Raymond, DDS, BS	ORDN	Wolfe, David, DDS, BS	ENDN
Suh, Young-II, DDS, MS	PERI	Wolfram, Klaus, DDS, MS	PERI
Sy-Munoz, Jenny, DDS, MSD	RESD	Wong, Thomas, DMD, BA	ORSR
		Woodward, III, Herbert, DDS, MS	ORSR
Tan, Daniel, DDS, BS	RESD	Wyatt, Melva, DDS, Cert	PEDN
Tanaka, Wayne, DDS	ORSR		
Tang, Hong-Ming, DDS	ENDN	Yamada, Jason, DDS, Cert	PERI
Tatakis, Dimitris, DDS	PERI	Yeo, Eliot, DDS, BS	RESD
Taylor, Clark, DDS	ORSR	Yoo, Jimmy, DDS, BS	RESD
Taylor, Guy, DDS, BA	ORDN	Yoon, Stuart, DDS	PEDN
Theodorou, Anthony, DDS, AA	RESD	Young, Alan, DMD	PERI
Thomas, Sony, DDS	ENDN	Young, Richard, DDS	RESD
Thomas, Teresa, BS	DNHY	Young, Peter, DDS, BS	RESD
Thomsen, Lane, DDS, MS	ODRP	Yow, Warren, DMD, MS	DNES
Thornton, Sheila, BS	DNHY		
Thumwanit, Veerachai, DDS	RESD	Zalsman, Harvey (Skip), DDS, MD	ORSR
Tjan, Anthony H., DDS, MSD	RESD	Zerne-Young, Julie-Ann, DDS	PEDN
Toledo, Gerardo, DDS	RESD	Zhang, Wu, MD	RESD
Torabinejad, Mahmoud, PhD, BS	ENDN		

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 1972 34	Class of 1983 34	Class of 1994 41
Class of 1962 13	Class of 1973 48	Class of 1984 34	Class of 1995 39
Class of 1963 18	Class of 1974 35	Class of 1985 34	Class of 1996 42
Class of 1964 17	Class of 1975 36	Class of 1986 36	Class of 1997 38
Class of 1965 21	Class of 1976 33	Class of 1987 35	Class of 1998 43
Class of 1966 24	Class of 1977 33	Class of 1988 33	Class of 1999 40
Class of 1967 25	Class of 1978 36	Class of 1989 33	Class of 2000 37
Class of 1968 31	Class of 1979 35	Class of 1990 38	Class of 2001 40
Class of 1969 31	Class of 1980 35	Class of 1991 40	
Class of 1970 30	Class of 1981 35	Class of 1992 40	Total 1,327
Class of 1971 33	Class of 1982 34	Class of 1993 40	

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 2000 86
Class of 1966 41	Class of 1977 72	Class of 1989 89	Class of 2001 88
Class of 1967 57	Class of 1978 73	Class of 1990 69	
Class of 1968 55	Class of 1979 81	Class of 1991 75	Total 3,032

INTERNATIONAL DENTIST PROGRAM

Class of 1986 9	Class of 1995 12
Class of 1987 12	Class of 1996 14
Class of 1988 12	Class of 1997 14
Class of 1989 12	Class of 1998 14
Class of 1990 13	Class of 1999 14
Class of 1991 16	Class of 2000 16
Class of 1992 12	Class of 2001 16
Class of 1993 14	
Class of 1994 14	Total 198

PROFESSIONAL CERTIFICATES

Class of 1995 4	Class of 1999 24
Class of 1996 15	Class of 2000 20
Class of 1997 12	Class of 2001 18
Class of 1998 19	
	Total 92

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 predoctoral program by supporting a student loan fund which is administered by the University.

ACCREDITATION STATUS

THE UNIVERSITY

Founded as College of Evangelists 1905-06. Chartered as College of Medical Evangelists by the state of California December 13, 1909. Accredited by Northwest Association of Secondary and Higher Schools April 7, 1937. Accredited by 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 PROFESSIONS

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

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

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

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

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

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

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

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

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

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

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.

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. Since 1974 the Coordinated Program in Dietetics has been granted accreditation by the Commission on Accreditation for Dietetics Education of the American Dietetics Association.

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

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

ORAL AND MAXILLOFACIAL SURGERY: Started in 1978. Approved by the Commission on Dental Accreditation of the American Dental Association since 1981.

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

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

PERIODONTICS: Started in 1979. Approved by the Commission on Dental Accreditation of the American Dental Association since December 1972.

PHLEBOTOMY: Started in 1994. Accredited/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 American Physical Therapy Association April 4, 1990.

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

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

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

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

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

RESPIRATORY CARE: Started in 1971. Initial approval by the Council on Medical Education of the American Medical Association September 1972. Full approval June 1973. Currently approved by the Commission on Accreditation of Allied Health Education Programs in collaboration with the Joint Committee on Accreditation for Respiratory Care Education.

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

SURGICAL TECHNOLOGY: Started in 1995. Approval by the Council on Medical Education of the American Medical Association December 1972. Currently approved by the Commission on Accreditation of Allied Health Education Programs in collaboration with the Accreditation Review Committee on Education in Surgical Technology.

ACCREDITING AGENCIES

THE UNIVERSITY

Loma Linda University is accredited by WASC.

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

985 Atlantic Avenue, Suite 100

Alameda, CA 94501

Phone: 510 / 748-9001

FAX: 510 / 748-9797

Web site: www.wascweb.org

Email: wascsr@wascsenior.org

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

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

GRADUATE SCHOOL

Drug and Alcohol Counseling

California Association of Alcoholism and Drug Abuse Counselors (CAADAC)

3400 Bradshaw Road, Suite A5

Sacramento, CA 95827

Phone: 916 / 368-9412

FAX: 916 / 368-9424

Web site: www.caadac.org

Email: caadac@jps.net

Marital and Family Therapy

Commission on Accreditation for Marriage and Family Therapy Education of the American

Association for Marriage and Family Therapy

1133 15th Street, NW, Suite 300

Washington, DC 20005-2710

Phone: 202 / 467-5111 or 452-0109

FAX: 202 / 223-2329

Web site: www.aamft.org

Email: coamfte@aamft.org

Psychology

American Psychological Association

750 First Street N. E.

Washington, DC 20002-4242

Phone: 202 / 336-5500

FAX: 202 / 336-5978

Web site: www.apa.org

Email: education@apa.org

Social Work

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

Speech-Language Pathology

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

**SCHOOL OF ALLIED HEALTH
PROFESSIONS****Cardiopulmonary Sciences****Respiratory Care**

Committee on Accreditation for Respiratory Care
 1248 Harwood Road
 Bedford, TX 76021-4244
 Phone: 800 / 874-5615 or 817 / 283-2835
 FAX: 817 / 354-8519 or 817 / 252-0773
 Web site: www.coarc.com
 Email: richwalker@coarc.com

Physician Assistant

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

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
 Web site: www.arcst.org
 Email: coa@ast.org

Clinical Laboratory Science**Phlebotomy Certificate**

National Accrediting Agency for Clinical Laboratory
 Sciences (NAACLS)
 8410 West Bryn Mawr Avenue, Suite 670
 Chicago, IL 60631-3415
 Phone: 773 / 714-8880
 FAX: 773 / 714-8886
 Web site: www.naacls.org
 Email: naaclsinfo@naacls.org

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

National Accrediting Agency for Clinical Laboratory
 Sciences (NAACLS)
 8410 West Bryn Mawr Avenue, Suite 670
 Chicago, IL 60631-3415
 Phone: 773 / 714-8880
 FAX: 773 / 714-8886
 Web site: www.naacls.org
 Email: naaclsinfo@naacls.org

Cytotechnology

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

Health Information Management**Health Information Administration**

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

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

Commission on Accreditation for
 Dietetics Education (CADE)
 The American Dietetic Association
 216 West Jackson Boulevard, 7th floor
 Chicago, IL 60606-6995
 Phone: 800 / 877-1600
 FAX: 312 / 899-4899 or 899-4817
 Web site: www.eatright.org/cade
 Email: education@eatright.org

Occupational Therapy

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

Physical Therapy

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

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
Web site: www.jrcert.org
Email: mail@jrcert.org

Diagnostic Medical Sonography—certificate

Commission on Accreditation of Allied Health
Education Programs (CAAHEP)
35 East Wacker Drive, Suite 1970
Chicago, IL 60601-2208
Web site: www.caahep.org

Joint Review Committee on Education in
Diagnostic Medical Sonography (JRCE-DMS)
1248 Harwood Road
Bedford, TX 76021-4244
Phone: 817 / 685-6629
FAX: 817 / 354-8519
Web site: www.jrcdms.org
Email: sharonworthing@coarc.com

Nuclear Medicine Technology—Certificate

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

Speech-Language Pathology and Audiology

American Speech-Language-Hearing
Association
10801 Rockville Pike
Rockville, MD 20852
Phone: 301 / 897-5700
FAX: 301 / 571-0481
Web site: www.asha.org
Email: accreditation@asha.org

SCHOOL OF DENTISTRY

Commission on Dental Accreditation
of the American Dental Association
211 East Chicago Avenue
Chicago, IL 60611
Phone: 800 / 621-8099
FAX: 312 / 440-2915
Web site: www.ada.org
Email: licarif@ada.org

SCHOOL OF MEDICINE

Liaison Committee on Medical Education
Association of American Medical Colleges
2450 N Street NW
Washington, DC 30037
Phone: 202 / 828-0596
FAX: 202 / 828-1125
Web Sites: www.lcme.org; www.aamc.org
Email: lcme@aamc.org

SCHOOL OF NURSING

National League for Nursing
Accrediting Commission
61 Broadway
New York, NY 10006
Phone: 212 / 363-5555, ext. 153
or toll free 800 / 669-1656
FAX: 212 / 812-0390
Web site: www.nln.org
Email: Gfelton@nlac.org

Board of Registered Nursing
400 R Street, Suite 4030
P. O. Box 944210
Sacramento, CA 94244-2100
Phone: 916 / 322-3350
FAX: 916 / 327-4402
Web site: www.rn.ca.gov

Commission on Collegiate Nursing Education
(CCNE)
One Dupont Circle NW, Suite 530
Washington, DC 20036-1120
Phone: 202 / 887-6791
FAX: 202 / 887-8476
Web site: www.aacn.nche.edu/accreditation
Email: jbutlin@accn.nche.edu

SCHOOL OF PUBLIC HEALTH

Council on Education for Public Health
800 Eye St. NW, Suite 202
Washington, DC 20001-1397
Phone: 202 / 789-1050
FAX: 202 / 789-1895
Web site: www.ceph.org
Email: jconklin@ceph.org

Certified Health Education Specialist (CHES)

National Commission for Health Education
Credentialing, Inc.
944 Marcon Boulevard, Suite 310
Allentown, PA 18109
Phone: toll free 888 / 624-3248 or 673-5445
FAX: 800 / 813-0727
Web site: www.nchec.org
Email: nchec@fast.net

Registered Environmental Health Specialist

State of California
Environmental Health Specialist
Registration Program
601 North 7th Street, MS 396
P.O. Box 942732
Sacramento, CA 94234-7320
Phone: 916 / 324-8819
FAX: 916 / 323-9869
Web site: www.dhs.ca.gov
or www.dhs.cahwnet.gov
Email: rhook1@dhs.ca.gov

Public Health Nutrition and Dietetics

Commission on Accreditation for
Dietetics Education (CADE)
The American Dietetic Association
216 West Jackson Boulevard, 7th floor
Chicago, IL 60606-6995
Phone: 800 / 877-1600
FAX: 312 / 899-4899
Web site: www.eatright.org/cade
Email: education@eatright.org

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

THE UNIVERSITY LIBRARIES

Major library resources

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

- the Del E. Webb Memorial Library,
- the Jorgensen Learning Resources Center,
- the Jesse Medical Library and Information Center, and
- the Veterans Administration Library Services.

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

Central library

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 on the Loma Linda campus. Then in 1981, a new library building was built from a grant by the Del E. Webb Foundation, giving the library a total floor space of 87,670 square feet. This structure now houses the main library, while the old structure is now shared between the Department of Archives and Special Collections and the bound retrospective journals. As of June 2001, the library has a total collection of 410,807 books, bound and current journals/periodicals, and media items (197,303 books; 125,577 bound journals, 1,420 current periodical subscriptions, 349 nonsubscription periodicals; and 84,158 media items).

Library mission

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

Worldwide access

The Library provides access to other collections worldwide using internet technologies. 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 which is the Pacific Southwest Region. The Del E. Webb Memorial Library belongs to this region and is the designated medical resource library for San Bernardino and Riverside counties. Local library cooperatives include the IEALC (Inland Empire Academic Library Cooperative) and SIR-CULS (San Bernardino, Inyo, Riverside Counties United Library Services). Membership in these cooperatives gives our students, faculty, and staff access to the collections of these libraries. Archives and special collections

Archives and special collections

The Department of Archives and Special Collections is the central repository of information on the history of Loma Linda University, the health sciences, and major collections on Adventism. In addition to print materials which include rare books, theses, and dissertations, there are microforms, sound recordings, and several thousand photographs. Searchable digitized indexes for various document files are also available via the Library's website. The collection also includes 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 LOMA LINDA BRANCH OFFICE

Also located in the Library is a branch office of the Ellen G. White Estate. It contains 60,000 typewritten pages of Ellen G. White's letters and manuscripts; 4,600 of her published articles; and several different files of materials pertaining to various aspects of her life and ministry. A computerized concordance to her published writings is available to researchers. A link to a bibliography of the different variant editions of her works is available on the Library's home page.

LLU&MC CAMPUS MAP

LOMA LINDA UNIVERSITY
(not to scale)

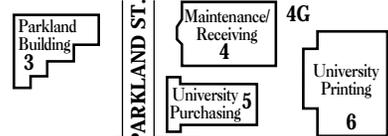
LOT X**



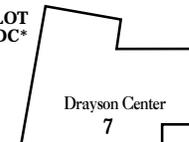
LOT X**



LOT U**



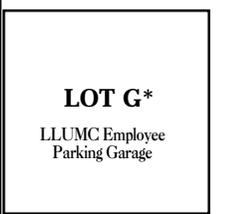
LOT DC*



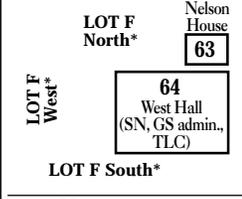
LOT DC**



UNIVERSITY AVE.



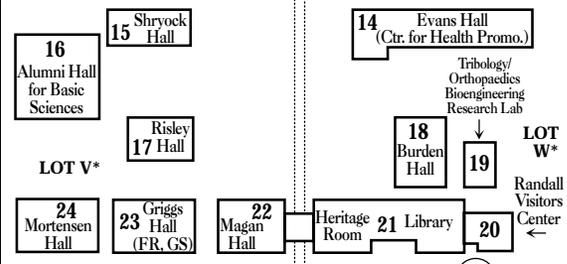
PROSPECT ST.



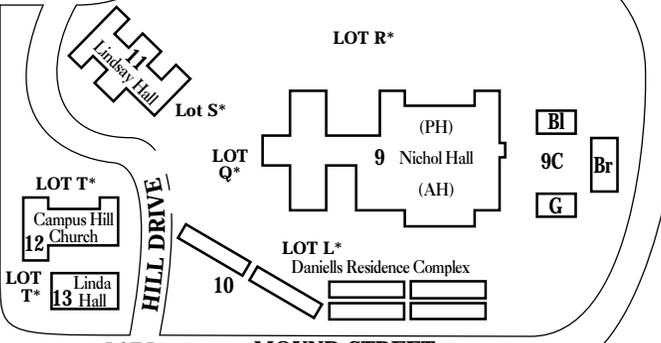
← to (215)

= MC amphitheatres
H = Heliports

STEWART STREET



ANDERSON STREET

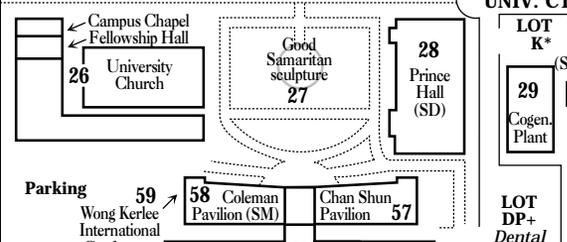


SHEPARDSON ST.

to Child →
Care Center

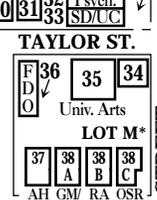
LOT N6+
Employee overflow

AH=Allied Health Professions
GS=Graduate School
PH=Public Health
SD=Dentistry
SM=Medicine
SN=Nursing
FR=Faculty of Religion

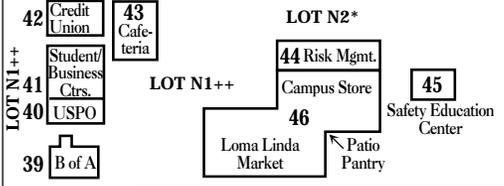


UNIV. CT.

MOUND STREET



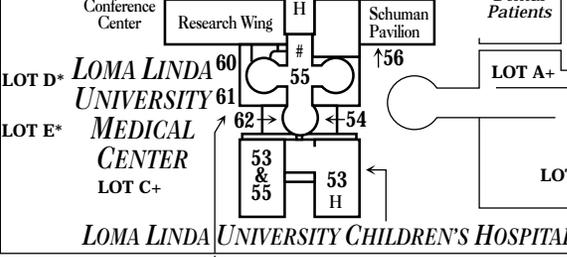
ANDERSON STREET



PROSPECT STREET to VA Medical Center →



STARR STREET

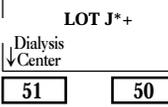
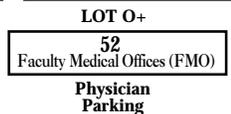


LOMA LINDA UNIVERSITY CHILDREN'S HOSPITAL

BARTON ROAD

60-61 Emergency Dept.
62 Mail Service

Physician Parking



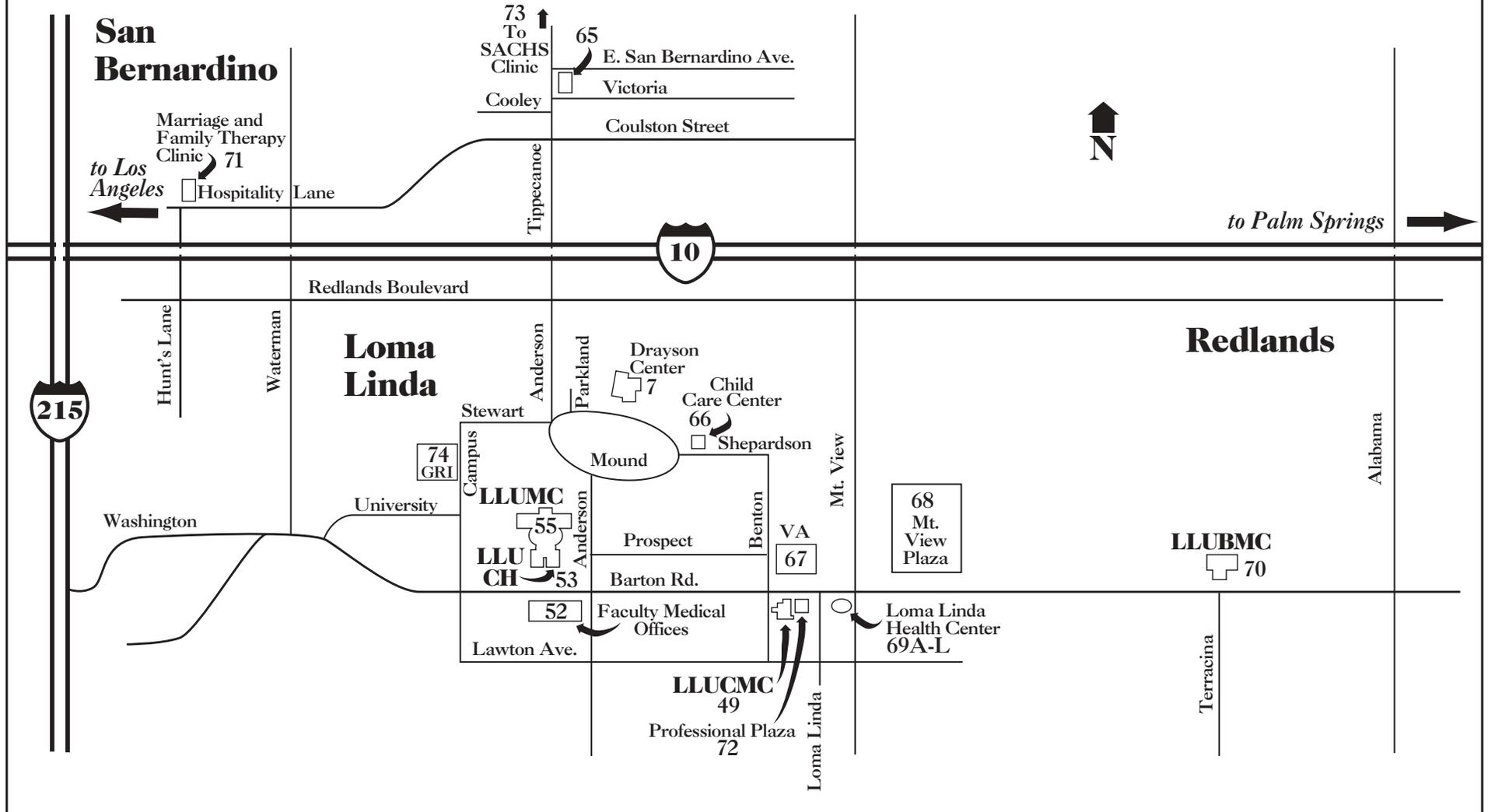
← LOMA LINDA UNIVERSITY
COMMUNITY MEDICAL CENTER

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*Parking requires permit
**Parking requires permit except where signs are posted
+Patient/visitor parking
++Patient/visitor parking (time-limited)

**Area Map
and numerical legend**

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

- 68 – Mountain View Plaza
- 69 – Loma Linda Health Center
- 70 – LLU Behavioral Medicine Center
- 71 – Marriage and Family Therapy Clinic
- 72 – Professional Plaza
- 73 – SACHS Norton Clinic
- 74 – Geoscience Research Institute



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

X = Nearest cross street

> = See Area Map

LLUAHSC = Loma Linda University
Adventist Health Sciences Center

LLU = Loma Linda University:

LLUBMC = Behavioral Medicine Center

LLUCH = Children's Hospital

LLUCMC = Community Medical Center

LLUMC = Medical Center

Campus Map (numerical)

1. Gentry Gymnasium
2. Media Services (University, MC)
3. Housekeeping (University); Radiation / Hazardous Materials Safety
4. Campus Engineering (maintenance shops); Lock and Key; Campus Receiving (University); 4G=Garage buildings
5. Purchasing (University); Campus Engineering, Machine Shop
6. University Printing Services and Design Department; Construction; Architectural Services; Warehouse
7. Drayson Center: volleyball/basketball gym, intramurals, tennis, badminton, raquetball, cardio and weight rooms, aerobics studios, tracks, pools, arts and crafts; chaplain's office; Superfield; Student Union; Student Association
8. Speech and Hearing Clinic (AH)
9. Nichol Hall: School of Public Health, Centers for Health Research and for Health and Development; 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)
10. Daniells Residence Complex (men; graduate women)
11. Lindsay Hall (women's residence)
12. Campus Hill SDA Church
13. Linda Hall (Campus Hill SDA Church)
14. Evans Hall: Center for Health Promotion; Cutler Amphitheater; Student Health Service
15. Shryock Hall: Anatomy; Embryology Museum
16. Alumni Hall for Basic Sciences: Microbiology; Pathology; Courville Museum (pathology)
17. Riskey Hall: Physiology; Pharmacology; Kellogg Amphitheater
18. Burden Hall: Academic Publications; University Relations; Physical therapy lab (AH)
19. Block Building: Orthopaedic Bioengineering Research labs; Tribology lab

20. Randall Visitors Center: Amphitheater; Jorgensen Learning Center
21. University Library, Del E. Webb Memorial: Main library; Ellen G. White Estate Loma Linda Branch Office; Heritage Room; Micro-Systems Support
22. Magan Hall: Administration, LOMA LINDA UNIVERSITY; Faculty Records; Gift Records; Vice chancellors for academic affairs, advancement, financial affairs, public affairs; Special assistants to the chancellor—diversity, global outreach
23. Griggs Hall: Faculty of Religion; Graduate School Departments of Biology, Geology, Marital and Family Therapy, and Social Work
24. Mortensen Hall: Biochemistry; Center for Molecular Biology and Gene Therapy
25. Campus Security; Rideshare
26. University Church; Fellowship Hall; Campus Chapel
27. Good Samaritan sculpture
28. Prince Hall: School of Dentistry
29. Cogeneration Plant (power plant)
30. Advanced Periodontics Education; Dentistry faculty endodontics*
31. Educational Support Services (SD)
32. Central Building; Psychology (GS)
33. Center for Dental Research; Administrative Information Systems (University), Rm. 208
34. Carlson Wagonlit Travel—University Travel
35. University Arts: Human Resource Management (personnel, payroll, benefits, employee training and orientation); Purchasing (MC); Advanced Life Support Education; Dentistry*
36. Faculty Dental Offices*
37. Occupational therapy lab (AH)
- 38A. Grants Management (postaward, University); LLU Foundation Rental Office
- 38B. Research affairs, vice chancellor for
- 38C. Office of Sponsored Research (preaward)
39. Bank of America
40. U. S. Post Office
41. **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; Loan Collections; University Records; Administrative Information Systems (University), Rm. 115
42. La Loma Credit Union
43. Campus Cafeteria
44. Risk Management
45. Safety Education Center
46. Campus Store (bookstore, camera shop, Apple computer sales and service); Loma Linda Market (Campus Pharmacy, bakery, natural foods); Patio Pantry
47. Alumni Center: Alumni offices; Staff Development; Planned Giving; General Conference liaison
48. A.C.T.S. (emergency relief)
49. LLU COMMUNITY MEDICAL CENTER

50. Ronald McDonald House
51. University Kidney Center (dialysis)
52. Faculty Medical Offices (FMO* and SM)
53. LLU CHILDREN'S HOSPITAL: Heliport, H South; Cafeteria; Central Computing (MC) B-737, B-724
54. Proton Treatment Center
55. LLU MEDICAL CENTER: School of Medicine; Heliport, H North; Lost and Found, B-404; Cafeteria; Amphitheaters: Lobby-1506, A-512; Transplantation Institute; Employee immunizations, LLUMC, Rm. A-350;
56. Schuman Pavilion: International Heart Institute
57. Chan Shun Pavilion: Cancer Research Institute
58. Coleman Pavilion: School of Medicine; Medical Affairs (LLUAHSC); Center for Christian Bioethics; Center for Spiritual Life and Wholeness, special assistant to the chancellor—spiritual life and wholeness
59. Wong Kerlee International Conference Center
- 60-61. Emergency Department. LLUMC
62. Mail Service (University, MC)
63. Nelson House: Decision Support Services (MC)
64. West Hall: School of Nursing; Graduate School administration; Teaching Learning Center

Area Map (numerical)

65. Material Supply and Distribution Support Services Center (Receiving, Mercantile, etc.) (MC), 1269 E. San Bernardino Ave., SB (X Tippecanoe)
66. Loma Linda Children's Center, 25228 Shepardson Dr.
67. Veterans Medical Center, Jerry L. Pettis Memorial (VA Hospital), 11201 Benton St. (X Barton Rd.)
68. Mountain View Plaza (X Barton Rd.): 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
69. 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*
F—11354 **Walden:** Medical*
G—11360 **Hartford:** LLU Cancer Institute: Cancer Data Center; Administration; Clinical oncology research
H—11346 **Concord:** Marketing (MC); Medical*

- 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*
- L—11340 **Bridgeport:** LLU Cancer Institute: Cancer Information

69-72: 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*
70. LLU BEHAVIORAL MEDICINE CENTER, 1710 Barton Road (X Terracina Blvd.): Crisis hotline; Partial hospitalization (days only); Inpatient
71. Marriage and Family Therapy Clinic, 164 W. Hospitality Ln., Suite 15, (X Hunt's Lane in SB)
72. Professional Plaza, 25455 Barton Frontage Rd. (X Loma Linda Dr.; X Benton St.): Neurosurgery Clinic (MC), Suite 108A; Loma Linda Pharmacy; MC/SM teaching, administrative, and private practice offices; Occupational Health (work-related health/injury) Suite 106A; dental*
73. SAGHS Norton clinic (E. 3rd St. off Tippecanoe)
74. Geoscience Research Institute [of the General Conference of Seventh-day Adventists] (Ortner Building)

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TO COMMUNICATE WITH LLU . . .

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Off-campus PHONE:	On-campus PHONE:		Off-campus FAX:	On-campus FAX:
558-4540	44540	Chancellor	558-0242	80242
558-4787	44787	Diversity	558-0140	80140
558-4510	44510	Student Affairs Student welfare, housing, visas...	558-4879	44879
558-4955	44955	International Student Services	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
558-8770	88770	Student Health Service	558-0433	80433
558-6028	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
558-1000	ext. 43983	Center for Spiritual Life and Wholeness	558-0336	80336
<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 Science	558-0458	80458-attn. CLSC
558-4976	44976	Health Information Management	558-0404	80404-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	558-0239	84239-attn. OCTA
558-4632	44632	Physical Therapy	558-4291	44291-attn. PHTH
558-4634	44634	Physical Therapist Assistant	558-4291	44291-attn. PAST
558-4931	44931	Radiation Technology	558-4291	44291-attn. RTCH
558-4998	44998	Speech-Language Pathology/Audiology	558-4291	44291-attn. SPPA
558-4222	1616	Dentistry		
558-4621	44621	Admissions	558-4211	44211
558-4683	44683	Dean	558-0483	80483
558-8624	88624	Advanced Programs	558-0122	80122
558-4601	44601	Dentistry Program	558-4211	44211
558-4631	44631	Dental Hygiene Program	558-0313	80313
558-4669	44669	International Dentist Program	558-0133	80133
558-4790	44790	SD Student Affairs	558-4211	44211

Off-campus PHONE:	On-campus PHONE:		Off-campus FAX:	On-campus FAX:
		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	558-0359	80359
558-4481	44481		558-4146	44146
		Nursing		
558-1000	ext. 44360	Admissions	558-4134	44134
558-4923	44923	Graduate	558-4134	44134
558-8061	88061	Undergraduate	558-4134	44134
558-8060	88060	International Nursing	558-4134	44134
558-7122	87122			
		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 Occupational Health	558-4087	44087 attn. Dean
558-8750	88750			
558-8750	44590	Epidemiology and Biostatistics	558-0493	84493 attn. ENVH
558-4573	44573	Health Administration	558-0126	80126 attn. EPDM/STAT
558-4575	44575	Health Promotion and Education	558-0469	80469 attn. HADM
558-4902	44902	International Health	558-0471	80471 attn. HPRO
558-4575	44575	Maternal and Child Health	558-0389	80389 attn. INTH
558-4598	44598	Nutrition	558-0471	80471 attn. MCH
558-4918	44918	Preventive Medicine Residency Program	558-4095	44095 attn. NUTR
			558-0630	80630 attn. PMR

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Teaching Learning Center	www.llu.edu/llu/tlc	
University Records		registrar@univ.llu.edu
The Faculty of Religion	http://www.llu.edu/llu/fr/	
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Center for Christian Bioethics	http://bioethics.llu.edu	gsample@ethicscenter.llu.edu
Center for Spiritual Life and Wholeness	http://www.llu.edu/llu/wholeness/	innerweave@som.llu.edu
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Clinical Laboratory Science		admissions@sahp.llu.edu attn. CLSC
Health Information Management		admissions@sahp.llu.edu attn. HLIN
Nutrition and Dietetics		admissions@sahp.llu.edu attn. DTCS
Occupational Therapy		admissions@sahp.llu.edu attn. OCHT
Physical Therapy		admissions@sahp.llu.edu attn. PHTH
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Public Health	http://www.llu.edu/llu/sph/	
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