



*An education
and health care
resource
serving Texans
since 1905*

BAYLOR COLLEGE OF DENTISTRY

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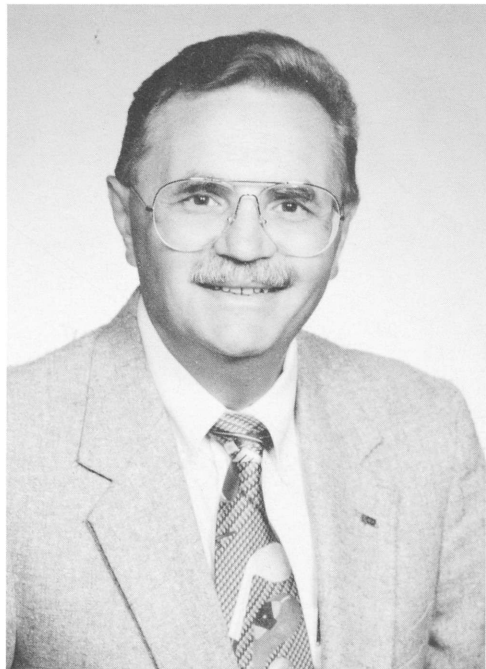


The mission of Baylor College of Dentistry is to provide an exemplary education to dental professionals and scientists in the pursuit of life-long learning, to advance all basic and clinical research with emphasis on the diagnosis, prevention and treatment of oral diseases, and to offer superior health care services to the community within the boundaries of a socially sensitive, collegial and dignified academic environment. The College accepts its responsibility as a leader in health professions education, in shaping the future of dental medicine and science education, and in seeking innovations in science, technology, and health care delivery and management.

BAYLOR COLLEGE OF DENTISTRY

An education and health care resource serving Texans since 1905

A Message from the President and Dean



Dominick P. DePaola, D.D.S., Ph.D.
President and Dean

Fortified with a distinguished legacy of academic excellence for close to nine decades, Baylor College of Dentistry is in the enviable position of providing the leadership and vision necessary for dentistry to move into the 21st century as an integral component of this nation's health professions education and health care delivery system.

Baylor College of Dentistry is dedicated to the dissemination of contemporary knowledge and the creation of new knowledge, both of which are necessary in order to educate the competent dentist, dental hygienist, clinical specialist, and scientist. Baylor's outstanding academic programs also encompass direct dental treatment programs for our constituents and the public it serves. The distinguished history of Baylor College of Dentistry provides the underpinnings for the College to remain on the cutting edge of scientific and technological advancement while providing adaptable and flexible academic programs focusing on what will be necessary to learn for the future.

The commitment to excellence, the location of Baylor College of Dentistry in the Dallas Metroplex with its powerful array of hospitals and biomedical institutions, the outstanding support of its Alumni and Board of Trustees and the collegial atmosphere created by its faculty, students, alumni, and staff ensure that Baylor will continue to graduate a contemporary health care professional — one who will function as an intrinsic member of the health care delivery team and who will be able to diagnose, treat and prevent oral diseases in the context of the patient's general health status. At the same time, the Baylor graduate will be able to adapt to future professional changes and challenges.

On behalf of our faculty, students, and staff, it is my pleasure to extend a warm invitation to you to visit the College. The past accomplishments of Baylor College of Dentistry are rooted in 89 years of academic achievement; our future is only limited by our energy, aspirations, and vision.



ANNOUNCEMENT FOR 1994 -1995

Diplomas, transcripts and official documents of Baylor College of Dentistry bear the College Seal that was officially adopted by the Board of Trustees, November 19, 1971.

Surrounding the elongated triangle representing the Greek letter delta, the official symbol of dentistry, are the dates 1905—the founding of the State Dental College; 1918—the purchase of the College by Baylor University; and 1971—the charter of the College as a private, nonprofit, nonsectarian educational corporation. The five pointed star represents the State of Texas.

ACCREDITATION

The programs of Baylor College of Dentistry in dentistry, dental hygiene and the specialty certificate programs of endodontics, oral and maxillofacial surgery, orthodontics, pediatric dentistry, periodontics and prosthodontics are accredited by the Commission on Dental Accreditation and the United States Department of Education. Accreditation has also been granted by the Southern Association of Colleges and Schools, Inc.

Volume XIV

1994 - 1995

This publication and its provisions are not in any way a contract between the student and the College of Dentistry. The College reserves the right to revise any section or requirement at any time.

*Fifty-four issues were published before the name Baylor College of Dentistry was adopted.

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1 9 9 4 - 1 9 9 5 C A L E N D A R

1994

January 3	Monday, 8:00 a.m. Classes resume
January 17	Monday, Martin Luther King, Jr. Day Holiday
February 25	Friday, 5:00 p.m., WINTER QUARTER INSTRUCTION ENDS
Feb. 23-March 4	Winter Quarter examination period
March 7-11	Winter Quarter recess
March 8	Tuesday, 12:00 noon, Winter Quarter grades due
March 14	Monday, 8:00 a.m., SPRING QUARTER BEGINS
March 14-18	Registration and payment of fees
March 21-22	Monday and Tuesday, 9:00 a.m., National Board Exams
April 19	Student Clinic Presentations
April 20	Wednesday, Student Activity Day
May 27	Friday, 12:00 noon, grades due for graduating students
May 27	Friday, 5:00 p.m., SPRING QUARTER INSTRUCTION ENDS
May 30	Monday, Memorial Day Holiday
May 31	Tuesday p.m., Graduation announcement for graduating students
May 31-June 3	Spring Quarter examination period (except graduating students)
June 3	Friday, 7:00 p.m., BACCALAUREATE SERVICE
June 4	Saturday, 10:00 a.m., GRADUATION EXERCISES
June 7	Tuesday, 12:00 noon, Spring Quarter grades due for all other students
June 20	Monday, SUMMER CLINIC BEGINS
June 20-24	Registration and payment of fees
July 1	Friday, Orientation, graduate students
July 4	Monday, Independence Day Holiday
July 5	Tuesday, Graduate Core courses begin
July 5-8	Registration and payment of fees for graduate students
July 11	Monday, 9:00 a.m., National Board Exams
July 29	Friday, SUMMER CLINIC ENDS
August 2	Tuesday, 12:00 noon, grades due for dental and dental hygiene
August 26	Friday, SUMMER GRADUATE QUARTER ENDS
August 29	Monday, 12:00 noon, Summer Graduate Quarter grades due
August 24-26	Wednesday, Thursday, and Friday, 8:30 a.m., Orientation, registration and payment of fees for first-year dental and junior dental hygiene students
August 26	Friday, 9:00 a.m., Registration & payment of fees for second-year dental students
August 29	Monday, 8:00 a.m., FALL QUARTER BEGINS
Aug. 29-Sep. 2	Registration and payment of fees for graduate students, third- and fourth-year dental students, senior dental hygiene students
September 5	Monday, Labor Day Holiday
November 11	Friday, 5:00 p.m., FALL QUARTER INSTRUCTION ENDS
November 14-18	Fall Quarter examination period
November 21-25	Fall Quarter recess
November 22	Tuesday, 12:00 noon, Fall Quarter grades due
November 28	Monday, 8:00 a.m., WINTER QUARTER INSTRUCTION BEGINS
Nov. 28-Dec. 2	Registration and payment of fees
December 5-6	Monday and Tuesday, 9:00 a.m., National Board Exams
December 16	Friday, 5:00 p.m., December recess begins

1995

January 3	Monday, 8:00 a.m. Classes resume
January 16	Monday, Martin Luther King, Jr. Day, Holiday
February 24	Friday, 5:00 p.m., WINTER QUARTER INSTRUCTION ENDS
Feb. 27- March 3	Winter Quarter examination period
March 6-10	Winter Quarter recess
March 7	Tuesday, 12:00 noon, Winter Quarter grades due
March 13	Monday, 8:00 a.m., SPRING QUARTER BEGINS
March 13-17	Registration and payment of fees
April 3-4	Monday and Tuesday, 9:00 a.m., National Board Exams
April 18	Student Clinic Presentations
April 19	Wednesday, Student Activity Day

1995 (cont.)

May 26	Friday, 12:00 noon, grades due for graduating students
May 26	Friday, 5:00 p.m., SPRING QUARTER INSTRUCTION ENDS
May 29	Monday, Memorial Day Holiday
May 30	Tuesday, p.m., Graduation announcement for graduating students
May 30-June 2	Spring Quarter examination period (except graduating students)
June 2	Friday, 7:00 p.m., BACCALAUREATE SERVICE
June 3	Saturday, 10:00 a.m., GRADUATION EXERCISES
June 6	Tuesday, 12:00 noon, Spring Quarter grades due for all other students
June 19	Monday, SUMMER CLINIC BEGINS
June 19-23	Registration and payment of fees
July 3	Monday, Orientation graduate students
July 4	Tuesday, Independence Day Holiday
July 5	Wednesday, Graduate core courses begin
July 3, 5-8	Registration and payment of fees for graduate students
July 10	Monday, 9:00 a.m., National Board Exams
July 28	Friday, SUMMER CLINIC ENDS
August 1	Tuesday, 12:00 noon, Grades due for dental and dental hygiene students
August 25	Friday, SUMMER GRADUATE QUARTER ENDS
August 23-25	Wednesday, Thursday and Friday 8:30 a.m., Orientation, registration & payment of fees for first year dental & Junior dental hygiene students
August 25	Friday, 9:00 a.m., Registration and payment of fees for second year dental students
August 28	Monday, 12 noon, Summer Graduate grades due
August 28	Monday, 8 a. m., FALL QUARTER BEGINS
August 28-September 1	Registration and payment of fees for graduate students, third and fourth year dental students, Senior dental hygiene students
September 4	Monday, Labor Day Holiday
November 10	Friday, 5:00 p.m., FALL QUARTER INSTRUCTION BEGINS
November 13-17	Fall Quarter examination period
November 20-24	Fall Quarter Recess
November 21	Tuesday, 12:00 noon, Fall Quarter grades due
November 27	Monday, 8:00 a.m., WINTER QUARTER BEGINS
November 27-December 1	Registration and payment of fees
December 4-5	Monday and Tuesday, 9:00 a.m., National Board Exams
December 15	Friday, 5:00 p.m., December Recess begins

1996

January 2	Tuesday, 8:00 a.m., Classes resume
January 15	Monday, Martin Luther King, Jr. Day, Holiday
February 23	Friday, 5:00 p.m., WINTER QUARTER BEGINS
February 26-March 1	Winter Quarter examination period
March 4-8	Winter Quarter recess
March 5	Tuesday, 12:00 noon, Winter Quarter grades due
March 11	Monday, 8:00 a.m., SPRING QUARTER BEGINS
March 11-15	Registration and payment of fees
April 1-2	Monday and Tuesday, 9:00 a.m., National Board Exams
April 16	Student Clinic Presentations
April 17	Wednesday, Student Activity Day
May 24	Friday, 12:00 noon, grades due for graduating students
May 24	Friday, 5:00 p.m., SPRING QUARTER INSTRUCTION ENDS
May 27	Monday, Memorial Day Holiday
May 28	Tuesday p.m., Graduation announcement for graduating students
May 28-31	Spring Quarter examination period (except graduating students)
May 31	Friday, 7:00 p.m., BACCALAUREATE SERVICE
June 1	Saturday, 10:00 a.m., GRADUATION EXERCISES
June 4	Tuesday, 12:00 noon, Spring Quarter grades due for all other students

ADMINISTRATIVE STRUCTURE

BOARD OF TRUSTEES

Officers for 1994-95

Mr. Chris V. Semos, *Chair*
 Mr. George W. Bramblett, Jr., *Vice Chair*
 Mr. Robert J. Bigham, Jr., *Secretary*

Board Members

Mr. Joe Alcantar	Mr. David B. McCall, III
Mr. Hollis Brashear	Dr. Charles B. Mullins
Dr. Phillip M. Campbell	Mr. Erle Nye
Mrs. Mabel P. Caruth	Mr. Michael E. Patrick
Dr. Gary R. Cook	Dr. William J. Priest
Mr. Levi H. Davis	Mr. C.V. Prothro
Mr. Tom M. Dunning	Dr. W. Paul Radman
Dr. Frank K. Eggleston	Dr. Robert H. Rutford
Mr. Ruben E. Esquivel	Mr. John M. Stevenson
Dr. Bill K. Forbus	Ms. Barbara Watkins
Mr. Trinidad Garza	Dr. J. William Wenrich
Mr. Richard M. Hart	Dr. Bettye M. Whiteaker
Mr. James E. Herndon	Dr. John D. Wilbanks
Mr. Richard G. Hickson	Mr. Dewey G. Williams
Ms. Brenda Jackson	

The administrative authority for Baylor College of Dentistry is vested in a Board of Trustees which meets semiannually and is composed of thirty-two members. An Executive Committee composed of fifteen Board members represents the Board of Trustees on all interim administrative affairs and meets bimonthly. The President of the College is the chief executive officer and is responsible to the Trustees for the administration of all programs and associated activities.

OFFICERS OF ADMINISTRATION

Dominick P. DePaola, B.S., D.D.S., Ph.D.	<i>President and Dean</i>
James S. Cole, B.S., D.D.S.	<i>Executive Vice President, Vice Dean</i>
Peter A. Cohen, B.A., M.A., Ph.D.	<i>Associate Dean, Academic Planning and Development</i>
Paul O. Walker, D.D.S., M.S.	<i>Associate Dean, Clinical Affairs</i>
Linda C. Niessen, D.M.D., M.P.H., M.P.P.	<i>Associate Dean, External Affairs</i>
William F. Wathen, B.S., D.M.D.	<i>Associate Dean, Professional Development</i>
Alan N. Taylor, B.S., M.S., Ph.D.	<i>Associate Dean, Research and Advanced Education</i>
Eric S. Solomon, D.D.S., M.A.	<i>Associate Vice President for Information Resources and Institutional Research</i>

ACADEMIC SUPPORT SERVICES

Sheryl A. Hornback, B.S., M.A., <i>Instructional Designer</i>	Academic Planning and Development
Jack L. Long, B.A., D.D.S., <i>Director</i>	Admissions, Recruitment and Academic Records
Ray Covington, <i>Controller</i>	Business Office
B. Ann Seals, <i>Director</i>	Continuing Education
Victoria A. Marker, B.A., M.S., Ph.D., <i>Director</i>	Faculty Development
David J. Fraboni II, B.S., <i>Director</i>	Institutional Advancement
Ursula Scott, B.A., M.S.L.S., <i>Exec. Director</i>	Library
Janet Reinwald, <i>Director</i>	Media Resources
Claude R. Williams, B.S., D.D.S., <i>Director</i>	Minority Affairs
Leeanna Bartlett, B.A., M.Ed., <i>Director</i>	Social Services
L. Kay Mash, B.A., D.D.S., <i>Director</i>	Student Affairs
Elizabeth Barnett, B.A., <i>Director</i>	Student Aid

DEPARTMENT CHAIRS

Dr. William H. Binnie
Diagnostic Sciences

Dr. Jesse T. Bullard
Restorative Sciences

Dr. David S. Carlson
Biomedical Sciences

Dr. Richard F. Ceen
Orthodontics

Dr. Janice P. DeWald
Interim Director, Caruth School of Dental Hygiene

Dr. Linda C. Niessen
Public Health Sciences

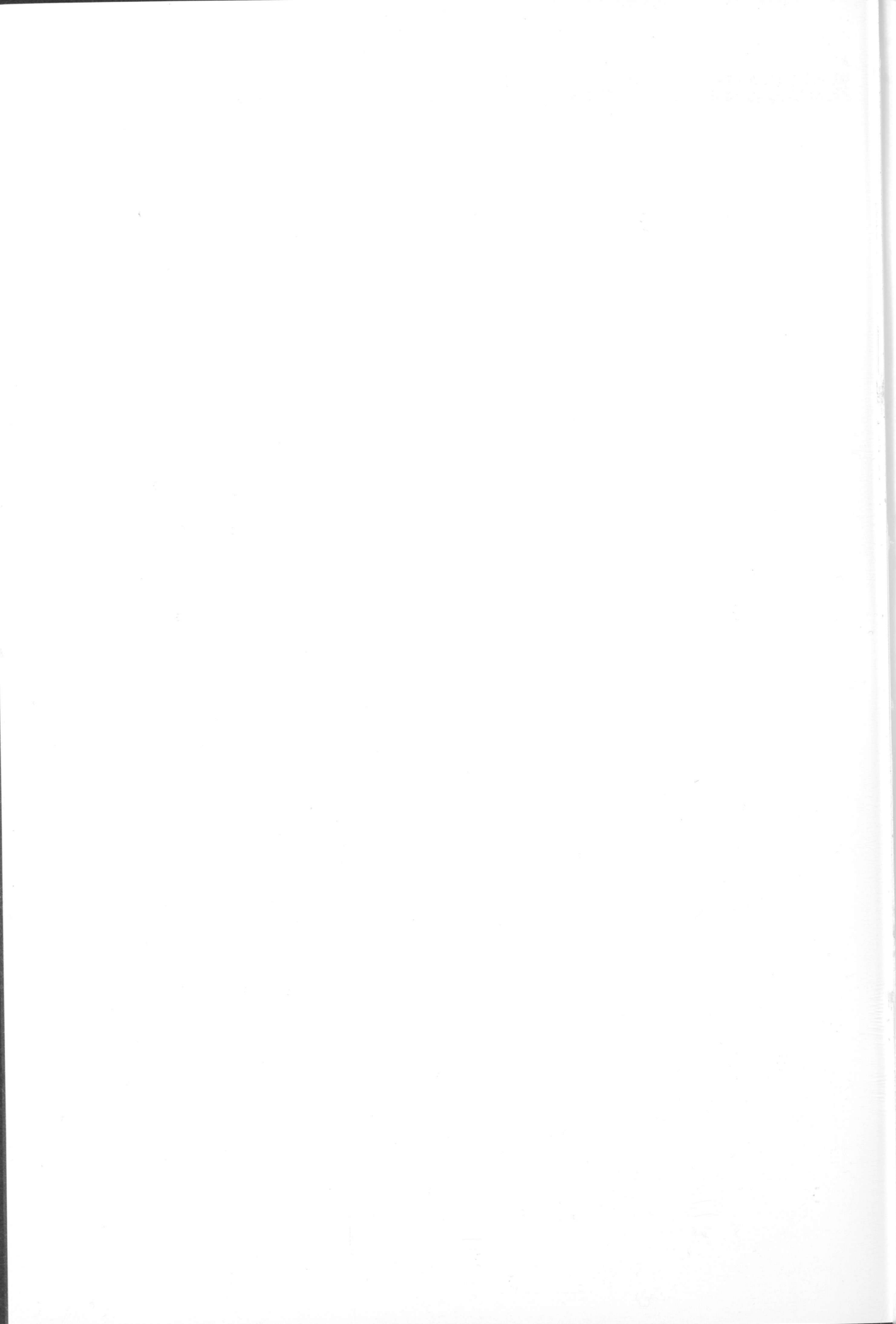
Dr. Toru Okabe
Biomaterials Science

Dr. Terry D. Rees
Periodontics

Dr. N. Sue Seale
Pediatric Dentistry

Dr. Mohsen Taleghani
General Dentistry

Dr. R. Gilbert Triplett
Oral & Maxillofacial Surgery and Pharmacological Sciences





The mission of the predoctoral program of Baylor College of Dentistry is to educate and train a biologically oriented, technically competent, socially sensitive practitioner of dental medicine who adheres to the highest standards of professional conduct and ethics and who can function effectively as a member of the nation's health care delivery system.

History

Baylor College of Dentistry traces its beginnings to the State Dental College, a dental educational institution chartered by the State of Texas in 1905. When the College became a part of Baylor University in 1918, it was renamed Baylor University College of Dentistry. The College continued as a unit of Baylor University until August 1, 1971. At that time it became Baylor College of Dentistry, a private, nonprofit, nonsectarian corporation chartered by the State of Texas to conduct educational programs in dentistry and related fields. The College maintains a contractual agreement with the Coordinating Board of the Texas College and University System.

Statement Of Institutional Mission

The mission of Baylor College of Dentistry is to provide an exemplary education to dental professionals and scientists in the pursuit of life-long learning, to advance all basic and clinical research with emphasis on the diagnosis, prevention and treatment of oral diseases, and to offer superior health care services to the community within the boundaries of a socially sensitive, collegial and dignified academic environment. The College accepts its responsibility as a leader in health professions education, in shaping the future of dental medicine and science education, and in seeking innovations in science, technology, and health care delivery and management.

Statement Of Institutional Purpose

Baylor College of Dentistry is an independent state-assisted institution dedicated to (1) nurturing excellence in the education of students to enter the professions of dentistry and dental hygiene; (2) offering advanced educational programs in dentistry and basic sciences; (3) providing a broad spectrum of oral health care education and service to the public; (4) offering a wide range of service and educational programs to the practicing profession; and (5) conducting research to enhance scientific understanding and expansion of knowledge in the biomedical and clinical sciences, with emphasis on the diagnosis, prevention and treatment of oral diseases. The College is nonsectarian and adheres to the principle of affirmative action and equal opportunity.

The College is committed to a leadership role in academics through creative curricular development, while acknowledging, recruiting and accommodating a diverse student body. The academic programs in the basic biomedical and

clinical sciences are expected to provide a responsive environment that challenges and guides the students toward excellence in their quest for knowledge, motivates them to perform at a level commensurate with their potential, develops a profound sense of ethical concern and responsibility for others, and instills in the students the spirit of an interdisciplinary/multidisciplinary approach to education, research, treatment and lifelong learning. The College is further committed to conducting outstanding graduate and post-graduate programs to provide advanced educational experiences in general dentistry, the dental specialties and the basic sciences.

Baylor College of Dentistry is committed to an environment of inquiry that encourages the collegial free exchange of ideas and stimulates faculty and students at all levels to pursue new scholarly activities. The publication of research results and advances in teaching methodologies is expected of faculty and encouraged for students, making new information available for improvement of both the curriculum and clinical practice. Further, the College is committed to providing leadership in dental education and research at national and international levels.

The College is committed to serving the public through its clinical and community programs by providing the highest level of oral health education and care consonant with the educational objectives of the College. Additionally, the College provides service to dental professionals as well as opportunities to broaden their knowledge and skills through continuing education programs offering the latest advances in science and technology for rapid transfer of technological and scientific advancements to the practicing community and thus to the public.

Educational Philosophy Of The Predoctoral Program

The predoctoral experience at Baylor College of Dentistry is characterized by an environment, curriculum, faculty and learning process that prepares individuals to promote oral and general health to the highest level. This educational experience involves the teaching and learning of a combination of scientific and technical knowledge, clinical judgement, professionalism, and social sensitivity. The educational process is directed toward the development of broadly competent practitioners and encourages both clinical and basic science research in order to instill an appreciation of biomedical research and a spirit of inquiry in each student. The outcome of

the College's mission is to educate and train a biologically oriented, technically competent, socially sensitive practitioner of dental medicine who adheres to the highest standards of professional conduct and ethics and who can function effectively as a member of the nation's health care delivery system.

The College recognizes the need to support excellence in its educational programs by acquiring and maintaining a highly qualified faculty, the best and brightest students, excellent physical facilities and a competency-based curriculum that is contemporary, comprehensive and efficient.

Opportunities in Dentistry

Dentistry offers many career opportunities. Most graduates of the College choose to engage in private practice as dentists or hygienists. Other graduates may pursue their profession in one or more of the following areas:

- Graduate training programs
- Hospital dental programs
- Industrial dental programs
- Public health agencies (local, state, or national)
- Federal government agencies (Veterans Affairs, military services, etc.)
- Dental education (as teachers, researchers, or administrators)
- Consultants (to insurance carriers or to other health care professionals)
- Commercial companies (professional products development and manufacture)
- Dental research (as scientists in industry or academia)

Location

The Dallas-Fort Worth Metroplex is an area noted for the vigor, optimism and friendliness of its population. The ever-changing skyline reflects the continuing growth of the area.

Opportunities for educational, cultural and religious enrichment are numerous. Within a 100-mile radius of Dallas are more than 40 colleges and universities. Dallas has professional theater, opera, symphony and dance companies. Among the many museums and galleries in the area, the Dallas Museum of Art has received international acclaim for both its design and its exhibits.

For sports enthusiasts, Dallas has professional and college football, basketball, baseball, hockey and soccer teams. The Metroplex annually hosts competitions in golf, tennis, bowling and track and

field that attract many of the world's best athletes. Numerous lakes and parks provide recreational opportunities for boating, fishing, swimming, jogging, biking and horseback riding.

Dallas is served by modern transportation facilities, including several interstate highways and the Amtrak rail system. Dallas/Fort Worth International Airport, with many major and feeder airline connections, the busiest air terminal in the nation. Airline connections can also be made at nearby Love Field.

Baylor College of Dentistry is centrally located in the city of Dallas, about one mile east of the downtown business district. This is an area where restored historic homes and fashionable new homes create pleasant neighborhoods. The renovated Texas State Fairgrounds and the downtown arts district with its world-class concert hall and art museum help make this part of Dallas an exciting place to live and work.

This area is also the location of Baylor University Medical Center with its five hospitals, together with other health care units. Baylor College of Dentistry is within the Medical Center complex, although it is a separately operated corporate entity.

Facilities

The physical facilities of the College provide an environment for learning that meets the special requirements of professional education in the dental and dental hygiene professions. The College facilities include an eight-floor academic building, the Baylor Health Sciences Library, an Oral and Maxillofacial Imaging Center and a multilevel parking garage and other parking areas for students, staff, and faculty.

The academic building provides approximately 250,000 square feet of modern, comfortable, and well-equipped lecture halls, teaching and research laboratories, clinics, faculty offices, and specialized areas for patients and students. The building surrounds a skylighted, ground-level atrium for relaxation and conversation. The atrium adjoins a food service area and lounge with conveniently located locker rooms for students.

Three large lecture halls are available for formal class lectures. Each hall is furnished with custom-designed audiovisual equipment and is ramped to improve visibility. Smaller classrooms are used for seminars and small-group instruction.

Pre-clinic and basic science laboratories give students valuable hands-on experience with lecture and textbook concepts. Clinic laboratories

separate from patient clinics give students the space and facilities needed for clinic-related work, such as making of dentures, bridges, and crowns. In addition, professionally trained dental technicians and a fully equipped dental laboratory help students with advanced work and give students experience in working with a professional laboratory.

The ten dental clinics, adjoining patient reception and waiting areas, and the offices and laboratories of clinic departments occupy six floors of the building. The clinic design gives students an environment in which to work that resembles a modern private dental office, with all the advantages of self-contained equipment and careful attention to patient comfort and privacy. However, the design of cubicle enclosures also permits easy communication between students and clinic instructors.

Most basic science department offices and research laboratories are located together on a single floor to encourage scholarly activity and exchange of information. The research equipment includes both scanning and transmission electron microscopes, a modern research quality optical microscope, a well-equipped facility for research in dental materials science, a walk-in refrigerated laboratory for low-temperature projects, incubators for cultures of tissues and microorganisms, and an accredited facility for housing and treating small animals used in teaching and research. Clinical faculty members make increasing use of research facilities in independent studies and as part of teams comprised of both basic science and clinical investigators.

Most of the College administrative offices are located on the fifth floor. They include the offices of:

- President and Dean
- Executive Vice President/Vice Dean
- Associate Vice President for Information Resources and Institutional Research
- Associate Dean for Academic Planning and Development
- Associate Dean for Research and Advanced Education
- Director of Minority Affairs
- Director of Student Affairs
- Director of Admissions, Recruitment Academic and Records
- Director of Institutional Advancement
- Director of Student Aid
- Director of Faculty Development

The business and personnel offices are also located within this area.

Various support facilities are also on this level, including computer facilities for the College administration. The office of Media Resources provides instructional design specialists, graphic designers, photographers, and artists for the design and production of teaching and publication materials. A fully equipped television studio can transmit live or recorded instruction to every lecture room or record information in cassette form for self-paced student review.

The Continuing Education Center is on the sixth floor, where short courses are presented throughout the year for the dental profession and auxiliaries interested in updating their knowledge. The twenty-chair Acton Dental Clinic and a fully equipped dental laboratory are available for participation courses. A large lecture hall, a smaller classroom, food service facilities, large reception area, and administrative offices complete the Center facilities.

The facilities of Baylor College of Dentistry are complemented by arrangements with private dental offices in the North Texas area and various community agencies whereby students gain specialized experience in short term extramural rotations. Institutions in the Dallas Metroplex area that are affiliated in this way with the College include Baylor University Medical Center, Children's Medical Center, Denton State School, Parkland Memorial Hospital, Texas Scottish Rite Hospital for Crippled Children, the University Affiliated Center, and the Veterans Affairs Medical Center.

Library

The Baylor Health Sciences Library meets the academic and professional information needs of students, faculty, and staff by providing ready accessibility to current and comprehensive information sources and services. The library contains approximately 36,000 volumes and 500 current journal titles. In addition, some 2,000 volumes comprise the Sellars' Collection of rare books in medicine, religion, and art.

On-line access is available to databases, such as those in MEDLARS from the National Library of Medicine and DIALOG Information Services. The library subscribes to CD-PLUS, a locally-installed version of NLM's MEDLINE that is updated monthly.

Audiovisual Learning Center

The Audiovisual Learning Center is located in the Library. The library staff supervises the center and the office of Media Resources manages the materials and equipment. The center houses microfiche

and microfiche readers, microcomputers, video cassette players/recorders, and carousel slide projectors that can be synchronized with audio tape players or recorders. Many of the instructional materials available in the center have been developed by College faculty to support the instructional program.

Media Resources

The office of Media Resources offers a wide range of teaching and research support, including the planning, design, and production of educational and audiovisual materials, course manuals, publications, exhibits, table clinics, and computer-assisted instruction programs. Assistance to students is available for study skills development, table clinic presentation, research project proposals, report, and other College-related presentations.

Institutional Advancement

Baylor College of Dentistry alumni have distinguished themselves in community service wherever they have located throughout the United States, often taking leadership roles in local, state, and national professional societies. The College's office of Institutional Advancement is responsible for coordinating the activities of Baylor College of Dentistry alumni as well as publishing the following:

The *Baylor Dental Journal* is published semiannually and sent to alumni, pre dental advisors, colleges, universities, dental schools and medical centers.

The *Baylor Dental Record* is a newsletter of the College which features news of faculty and student activities.

Alumni Association

The new Baylor College of Dentistry Alumni Association is a result of the merger of the Baylor Dental Alumni Association and the Century Club. The purpose of the Association is to 1) unite the alumni in an organization for the promotion of the College and to bring about closer cooperation among alumni, faculty, staff and students; 2) to obtain financial support for Baylor College of Dentistry. The Association is a nonprofit organization composed of both dental and dental hygiene alumni of the College with other dentists, dental hygienists and friends who wish to further the cause of dental education by contributing annually to Baylor College of Dentistry.

There are five levels of membership in the Association:

Dean's	\$1,000.00
Scholar's	500.00
McCarthy	250.00
Century	100.00
Member	30.00

An individual's level of membership depends on one's annual financial contribution. The Alumni Association sponsors several programs and awards, some of which are: Teacher-of-the-Year Award; Distinguished Alumnus Award and the Alumni-Senior Banquet which provides an opportunity for graduating seniors to meet and visit with College alumni. The Association also sponsors several social functions including Homecoming; alumni receptions and luncheons during the Texas Dental Association Annual Meeting, the Greater Houston Dental Meeting, and the Dallas Mid-Winter Clinic.

ADMISSIONS

Required Courses

A minimum of 60 semester hours is required for admission. Most applicants have three years of college or university course work completed when they apply.

Required courses include:	Minimum Semester Hours
English	6
Inorganic Chemistry	8
Organic Chemistry	8
Physics	8
Biology (16-20 hrs recommended)	8

In order to meet the minimum requirement of 60 semester hours, students are permitted to major in the field of their choice. Some courses which have proven very advantageous include embryology, psychology, sociology, business management, speech, foreign language, reading improvement, mechanical drawing, statistics. Computing and word processing skills are very helpful.

Students entering without a bachelor's degree, but who have met specific requirements of some colleges, may qualify for a combined academic degree from their undergraduate college or university. Details concerning this type of degree must be negotiated with the specific college, and the only role of Baylor College of Dentistry is to provide the necessary transcripts.

The College has affiliation agreements with several universities and colleges that accelerate entry

into the first year of dental school. These cooperative arrangements allow a competitive selection of students with excellent academic backgrounds to enter a three year program leading to acceptance to the College.

Dental Admission Test

Applicants are required to take the American Dental Association Admission Test and to make an acceptable score. The test is given in April and October. It is highly desirable that this test be taken in **April** prior to submitting the application so that the test scores will be available to the Committee on Admissions when the application is processed. A brochure explaining this testing program and an application for taking the test may be obtained from the Office of Admissions and Records.

Procedure for Making Application

- Request application materials from the Office of Admissions and Records
- Applicants for positions in the entering classes of August 1994 still have no deadline for application. Beginning with individuals submitting applications in the summer of 1994 to enter in August 1995, an encouraged application date will go into effect.

Timetable for filing of formal application:

Earliest date: June 1, year prior to desired admission

Latest date: Application is encouraged by November 1

Application fee: \$25.00 due with application

It is to the applicant's advantage to apply in June, July, or August since selection begins for interviews early in August. The earliest acceptance letters are sent on December 1. Baylor participates in the American Association of Dental Schools Application Service for out-of-state applicants only.

- The following must be included with the application:
 - A list of courses in progress
 - A list of future courses
 - A biographical sketch
 - Application fee
 - Photograph
- An application is valid for one academic year only.
- Transcripts must be sent from each academic

institution the applicant has attended. These must come directly from the colleges. High school transcripts are not required. Due to the volume of admissions materials, it is to the applicant's advantage to check periodically with the Office of Admissions and Records regarding the completeness of the file.

Failure to supply transcripts or recommendations is perceived as an indication that the applicant is no longer interested in admission. Dental Admission Test scores must be sent directly from the American Dental Association.

- Recommendations are required from the following:
 - The Pre-professional Advisory Committee
 - A dentist
 - An individual who knows the applicant well

Residency

Each student is responsible for declaring a legal state of residency at the time of application. Any changes in residency status are considered by a committee on an individual basis and are made only once a year, prior to registration for the fall quarter. Information and forms are provided by the Office of Admissions and Records and must be submitted by August 1 of each year.

Bases for Acceptance

All applicants for admission will be considered without regard to race, color, creed, national origin, sex or age. Qualified handicapped persons, capable of meeting the academic and technical standards essential to participation in the program, will receive equal consideration. The quality of scholarship is the first point of consideration. The grade point average (GPA) and the Dental Admission Test (DAT) are the primary factors used in this evaluation. An interview with the Admissions Committee is required before acceptance. Preference for admission is given to those students with:

- A GPA as high as possible
- Above-average scores in all areas of the DAT
- Careful attention given to details in filing the application
- Residency in Texas or the surrounding states which do not have a college of dentistry
- A comprehensive biographical sketch that includes:

- ❑ Information that will help the Admissions Committee to know the applicant better
- ❑ Details about the procedures observed in a general practice dental office
- ❑ A description concerning what has been done to improve manual dexterity and to show an imaginative, creative ability
- ❑ A statement concerning participation in community service projects
- ❑ Information concerning skills, abilities, and attitudes to the commitment required for a career in dentistry

In no case will an applicant be notified of acceptance before December 1 of the year prior to matriculation.

Interviews

Processing of applications begins in July, and the procedure continues until the class is filled. When all materials have been received and evaluated, the applicant may be asked to come for an interview with the Admissions Committee. The interview gives the opportunity for evaluation of noncognitive factors. Good health, excellent eyesight, presentation, a pleasing personality, clean personal habits, manual dexterity, motivation toward dentistry, and genuine concern for human welfare are some of the factors considered.

Interviews are scheduled by the Office of Admissions and Records and are conducted from September through February. Although an official interview is not granted to all applicants, the College gladly provides complete information and counseling for all prospective students. Visits to the campus for conferences and observation of the facilities are the best ways to obtain information about the College.

Transfer Students

A student transferring from another dental school in the United States may be granted advanced standing at the discretion of the Committee on Admissions. Transfer students are considered only in unusual circumstances.

Applicants for transfer are required to submit the following:

- Reason for requesting transfer
- A letter of clearance or recommendation from the dean of the dental school attended
- Recommendation letters from a basic science and a clinical science department chairman or course director

- Transcripts of both pre dental and dental school courses
- A copy of the American Dental Association Dental Admission Test results

Further information concerning advanced standing may be obtained from the Office of the Admissions and Records.

Matriculation and Registration

All students are required to register on the dates specified in the official school calendar. A matriculation fee of \$25.00 is required of every student upon first admittance to any program of the College. New students who fail to report for registration at the specified time may lose their place in the class, unless they have previously received permission for late registration

Veterans who have obtained a certificate of eligibility should report to the Director of Student Aid for handling of veteran's benefits.

Detailed information about student aid and veteran affairs is available from the Student Aid Office.

Physician's Statement

Before enrollment, the accepted applicant must return a completed physical examination form furnished by the College. Required immunizations are listed on the physical examination form.

FEES AND EXPENSES

Tuition

The tuition and fees for the students in the College are recommended by the Administration and are approved by the Board of Trustees. There may be adjustments as economic conditions warrant.

Resident, per quarter '93/'94	\$1,800.00
Nonresident, per quarter '93/'94	5,400.00
Summer clinic fee	150.00
Individual courses, per quarter hour	80.00
Audit fee, per quarter hour	35.00

*Combined fees for individual courses and audits will not exceed the cost per quarter for full-time enrollment.

Tuition Refund Policy

Money applied to tuition and fees from the Admission Deposit is not refundable.

Withdrawal prior to the end of the tenth class day 75%

C O L L E G E O F D E N T I S T R Y

Prior to the end of the twenty-fifth class day 25%

After the end of the twenty-fifth class day None

Fees and Deposits

Application:	To accompany the application form for admission (not refundable)	.....\$25.00
Reapplication (not refundable)		..... 10.00
Admission Deposit:	Payable upon notification of acceptance as a student. The deposit will be applied to the tuition, but is not refundable	.....200.00
Matriculation		..... 25.00
Graduation:	Payable at the beginning of the quarter preceding graduation	..... 40.00
Identification Card:	Issued by the Office of the Registrar and required of all enrolled students	..... 5.00
Health Clinic, per quarter		..... 20.00
Activity, per quarter		..... 20.00
Parking, per quarter		..... 20.00
Duplicate Diploma		..... 30.00
Lost Keys:	Each replacement	..... 5.00
Returned Check:	Assessed for each check returned from the bank	..... 10.00
Transcript:	Incomplete copy (before degree) for grade report use, each copy	..... 2.00
	Complete copy (after degree) first copy free, each subsequent copy	..... 2.00
Late Registration		..... 25.00

Registration consists of payment of tuition and fees and the completion of specified forms; failure to complete either of these functions on the date designated for a specific class constitutes late registration. Presentation of a check for tuition and fees which does not clear for lack of funds will constitute late registration as well as a returned check fee. An additional late fee of \$10 will be charged for each additional week or portion thereof up to 30 days from the day classes begin. The student is automatically suspended from school if

the tuition and fees have not been paid within 30 days after classes begin.

Books, Equipment and Supplies

Each student is required to purchase new textbooks and instruments as indicated by the official school lists. They are secured at the school on the day of registration and become the personal property of the student. The deletion of any item from individual purchase requires the signature of the chairman of the Textbook Committee or the Instrument Committee. Individual possession of these items affords a better opportunity for the learning process while at Baylor, and they will serve as the nucleus of a future dental office and library. All instruments and equipment must be maintained in good condition. Lockers are provided to store books and equipment. Insurance to cover possible loss of instruments is available. Technical material and supplies will need to be purchased from time to time for certain courses. This expense cannot be estimated accurately.

The estimated cost of books, instruments, skull and laboratory coat rental (first year), and supplies for the complete curriculum is listed below. The estimated cost for second-year students does not include tuition or the cost of scrubs (minimum of two required, approximately \$25.00 each). Consistent with infection control policy, instrument cassettes will be rented to students beginning in the spring term of the second year and every term thereafter at \$20.00 per term. Hepatitis vaccination is offered by the College at reduced cost to students treating patients and is strongly recommended but not required. The initial cost is approximately \$120.00; the twelve-month retest costs \$12.00. The total for each year is due at the beginning of the fall quarter.

First Year	..... \$ 4,702.00
Second Year	..... 7,694.00
Third Year	..... 599.00
Fourth Year	..... 100.00
TOTAL	..... \$13,095.00

FINANCIAL ASSISTANCE

The College participates in several types of loan and scholarship programs. All eligible applicants for student loans and scholarships will be considered without regard to race, color, creed, national origin, sex, religious preference or handicap. A needs analysis system approved by the federal government is used to evaluate the need for financial aid. Baylor uses the College Scholarship Service for this purpose. A parental contribution factor

based on family resources is considered for dependent students. Most student aid is based on the premise that parents can and must contribute to the financial requirements.

By the authority of the Legislature of the State of Texas, Baylor College of Dentistry provides scholarship funds each year for Texas resident members of the entering first year class. These scholarships are for minority students and for students who commit to practice in rural areas of Texas (counties with a population of less than 50,000). Financial need will be the primary criteria for these scholarships, and academic performance will be considered. A total of \$60,000 can be awarded each year with a maximum annual scholarship of \$6,000 per student.

Application for aid with confirmation of need should be submitted by May 1 each year the student is in school. Unusual circumstances affecting need may be considered at other periods during enrollment. Students must keep the Director of Student Aid informed as to changes in financial need. Examples: student who marries, separates, takes a part-time job, parent that becomes disabled, etc.

Graduating students who have received loans must have an exit interview during the month of May and must inform the Business Office of address changes during the repayment period for the loan. Periodic statements are provided indicating amounts due to retire student loans. The debtor is expected to correspond with the Student Aid Office if irregularities in payments are anticipated. Repayment and deferment opportunities will be made available to the graduate when appropriate.

HEALTH SERVICES

Routine medical services are provided for students in order to help maintain good health standards. Medical services that cannot be managed in the health clinic will be referred elsewhere. These referral services are not covered by the health clinic fee. A student health insurance plan is available on an optional basis. Dental services are available in the College's clinics.

HOUSING

Off-campus apartments and other housing facilities are available, but are not provided by the College. The College does not inspect or approve listings; however, the Office of Student Affairs will offer assistance in locating accommodations.

OFFICE OF MINORITY AFFAIRS

The Office of Minority Affairs assists in the recruitment and retention of minority faculty and students. Programs of enrichment and support for minority undergraduate and graduate students are developed by this office.

Selected undergraduate students are offered a summer program that surveys the basic health science courses and the clinical aspects of general dentistry and the dental specialties. They also learn test-taking and study skills and how to use the health sciences library. They become acquainted with the Scanning Electron Microscope (SEM) as a tool in dental research. In addition, if they have not already taken it, they are helped to prepare for the Dental Admission Test (DAT), which is required for admission to dental school.

This support system aids minority students in making application for admission, acquiring skill in personal interviews, applying for scholarships and financial aid, and obtaining academic and personal counseling.

Welcoming Diversity Workshops

These workshops are offered regularly throughout the school year to students, staff, faculty and administrators. The workshop is an entertaining non-confrontational format for creating greater harmony and closer working relationships through the understanding and acceptance of self and others (including patients), thereby generating an atmosphere where both learning and therapy are enhanced. Graduates who have availed themselves of the workshop will go into the community with a greater understanding of themselves and those who enter the arenas of their influence.

STUDENT ACTIVITIES

American Association of Dental Schools

The Association is the official body that represents the interests of individuals and institutions engaged in dental and dental auxiliary education. Through councils, committees, and sections, each member can participate in the process of dental education. Members receive the Association's publications. Three students—two dental and one dental hygiene—are elected to represent Baylor on the Council of Students.

American Student Dental Association

Students at Baylor may become members of the American Student Dental Association and receive

the monthly Journal and other membership benefits. Student membership should encourage graduates to become active in their local dental societies. Two delegates are elected to represent Baylor to the American Student Dental Association.

Student Council

The Student Council is composed of the respective class presidents and two elected members from each of the dental and dental hygiene classes, the two elected American Student Dental Association representatives, and the two dental and one dental hygiene elected representatives to the American Association of Dental Schools. The purposes and objectives of the Council are to represent the student body to the faculty, to coordinate, evaluate and present suggestions about problems which may arise in the laboratories and clinics, and to propose any change that might result in mutual improvement for the College and the students.

International/American Association for Dental Research (AADR)

Students may start early in their dental careers to work with faculty members on research projects. This is done through the student research chapter of the American Association for Dental Research. Research has become an integral part of quality dental education. At Baylor College of Dentistry, post-doctoral students are required to complete a research project as part of their academic experience. Predoctoral dental and dental hygiene students are encouraged and given every opportunity to become involved in research. Research fellowships are granted to predoctoral dental and dental hygiene students whose written proposals are approved by the Research Committee of the College. Students have the opportunity to present their research findings at the annual Table Clinic Day as well as at state, national and international research competitions and professional meetings.

Information is available through the Student Research Group of the American Association for Dental Research (AADR).

Texas Association of Women Dentists

The Baylor Chapter of the Texas Association of Women Dentists is composed of students, both female and male, with an interest in supporting women in dentistry. The purpose of TAWD is to share mutual support, to offer opportunities for

personal growth, to provide role models, and to offer enrichment of members through association with others in their chosen profession. Student members are encouraged to participate in state level meetings of the TAWD and are entitled to all privileges and responsibilities of active membership except those of holding office.

American Society of Dentistry for Children

The American Society of Dentistry for Children (ASDC) is an organization established to promote children's dental health. The national chapter of ASDC targets dental hygienists and general dental practitioners who are interested in meeting the needs of the child population. This is not an organization specifically for pediatric dentists or dental students interested in specializing in Pediatric Dentistry. The student chapter was established to provide opportunities for dental students and dental hygiene students to experience areas involved in pediatric dentistry at off-campus sites. Student members may visit area pediatric dentists' and orthodontists' offices, area children's hospitals' dental facilities, and may participate in dental health promotion lectures at area schools. Additionally, members are asked to participate in functions which may not have a direct dental benefit for children, but have an overall benefit of health or psychological well-being.

Christian Medical and Dental Society

The Christian Medical and Dental Society is a group of students, staff, faculty and practitioners committed to minister to people and to personal growth. CMDS offers opportunities to grow spiritually through application of biblical principles to the decisions that confront us daily. CMDS extends opportunities for fellowship and growth through short-term missions trips to provide medical and dental care to selected villages in Latin America. CMDS membership at Baylor College of Dentistry is open to dental professionals and students who are interested in linking their Christian faith with their profession.

Student National Dental Association

The Student National Dental Association (SNDA) is the largest minority student dental organization in the U.S. The mission of the organization is to provide a support mechanism for minority dental students with an emphasis on increasing minority enrollment in dental schools, promoting an environment conducive to the success of minority dental students, enlightening its members in the

social, moral and ethical obligations of the profession, and assisting in programs within the greater community which impact minorities and the underserved.

Baylor Student Hispanic Dental Association

Dental and dental hygiene students may become members of the Baylor Student Hispanic Dental Association. The mission of this organization is to provide members an opportunity to participate and deal with Hispanic oral health care issues, promote the oral health education of the Hispanic community, collaborate with other student associations with similar objectives, and stimulate interest and encourage entry of Hispanics into oral health care professions. Membership is open to all students.

Student American Dental Hygienists' Association

Dental hygiene students may become members of the Student American Dental Hygienists' Association. The objective of this organization is to cultivate, promote, and sustain the art and science of dental hygiene, to represent and safeguard the common interest of the members of the dental hygiene profession, and to contribute toward the improvement of the health of the public.

Fraternities

Professional fraternities are a part of the College's activities. Four national dental fraternities are represented through local chapters—Lambda Lambda Chapter of Delta Sigma Delta; Delta Psi Chapter of Psi Omega; Alpha Phi Chapter of Xi Psi Phi; and the Alpha Chi Chapter of Alpha Omega.

A student accepting fraternity membership automatically assumes additional financial obligations and shall be so notified by the fraternity. These obligations are considered part of the total commitment to the College.

Baylor Women's Club

The Baylor Women's Club is open to all women affiliated with the College. The purpose of this organization is to render support to the College; to engage in fund-raising for charitable purposes; to distribute such funds in accordance with established criteria of the College; and to provide opportunities to work together as well as promote fellowship. Details about the club and the variety of activities it sponsors are given to new students at registration.

Athletics and Fitness

The College sponsors teams in softball, basketball, volleyball, football, and soccer leagues. Over the years, many Baylor students have been outstanding athletes, and several league championships have been won. Any interested student is permitted to try out for teams. Baylor participates in the Texas Dental School Olympics in which students from the three Texas schools compete in various athletic events. Alternate sites of Dallas, Houston, and San Antonio are used on an annual basis. Students who are interested in membership in the Baylor Fitness Center, which is part of the Tom Landry Center for Sports Medicine and Research on the adjacent Baylor University Medical Center campus, may join for a nominal monthly fee.

POLICIES AND REGULATIONS

Policies and regulations are formulated by the administration for the benefit of all concerned. The Dean, Associate Dean for Academic Affairs, Director of Student Affairs, Director of Minority Affairs and members of the faculty provide counseling and guidance in academic and personal matters. If problems arise, students are urged to seek early assistance.

Attendance

Regular attendance in all courses is strongly encouraged. Attendance may be required in specific courses at the discretion of each course director. If so, the attendance policy and the effect of poor attendance on grading must be stated in writing at the beginning of the course. The College administration will support the attendance guideline established for each course. This policy toward attendance makes the student responsible for management of the time required to master the information presented in each course.

Dress Code

Baylor's philosophy is that individual dress and grooming directly affect patients, visitors, fellow students, staff, and faculty, as well as the entire profession of dentistry. Therefore, faculty, staff and students are expected to be appropriately dressed and meticulously groomed. Most patients expect to be treated by individuals who present a professional image. Details about the dress code are available from the office of the Director of Student Affairs.

Conduct

It is the policy of Baylor College of Dentistry to provide an atmosphere of trust and respect that is essential to a comfortable and professional work, patient care and academic environment. All students at the College are expected to uphold the highest standards of ethical conduct. Personal integrity, respect, courtesy, good manners and genuine concern for others are integral characteristics of a professional person and should be practiced at all times. Appearance, interactions with faculty and peers, care and handling of patients and proper care of College property are all important to students' progress. Specific policies regarding conduct have been established at the College as a code of ethics, addressing the honor system, dress, sexual harassment, substance abuse and the academic and disciplinary due process. Violation of any provision of federal, state or local laws may be subject to disciplinary action, including expulsion, not withstanding any action taken by civil authorities because of the violation. Any student may be dismissed for improper conduct, following due process.

Due Process

The right for students to be heard in academic and disciplinary matters has been ensured by the guidelines in Baylor College of Dentistry's Academic and Disciplinary Due Process for Students. Details about behavior subject to disciplinary action and the due process procedures are available from the Office of Academic Planning and Development.

Employment

Students are discouraged from holding any outside employment as it may be detrimental to the pursuit of their education. All students who are employed must notify the Office of Admissions and Records, stating the hours and days of work and the place of employment. In no case may a student accept a position which conflicts with regularly scheduled school hours. When scholastic progress is questionable, students may be asked to discontinue outside work.

Transcripts and Records

Transcripts and other information from a student's academic records will be released by the Director of Admissions and Records only upon written request from the student or other person authorized by law and with payment of the appropriate fee. An exception may be made in response to a subpoena or a court order. Baylor College of Dentistry

is in compliance with the Family Educational Rights and Privacy Act of 1974 as amended.

Change of Name

Students who have a change of name must notify the Office of Admissions and Records by filing a change-of-name form. All grade reports, transcripts, diplomas, etc., are issued under the student's legal name as recorded in the Office of Admissions and Records.

SCHOLARSHIP

Grading System

The Administrative Council has established the following grade scale:

Letter Grade	Numerical Grade Range	Grade Pts.
A	93-100	4.0
B +	90- 92	3.5
B	84- 89	3.0
C +	81- 83	2.5
C	75- 80	2.0
D	70- 74	1.0
F	69 and below	0.0
S	Satisfactory	0.0
U	Unsatisfactory	0.0

A - Excellent; **B +, B** - Good; **C +, C** - Fair; **D** - Poor; may require remedial work; **F** - Failure; **I**-Incomplete; **P** - Pass; **S** - Satisfactory; **U** - Unsatisfactory

The grade of Incomplete is a temporary grade given when, **for reasons beyond the control of the student**, all course requirements are not met within the prescribed time. The I grade is not calculated in the GPA. An incomplete must be removed in the academic quarter following termination of the course, or the termination of the part of the course for which the grade was given. Any of the permanent grades may be earned.

The grade of Incomplete will automatically become Failure if not removed within the prescribed time limits.

The standing of a student in any course is determined by means of examinations, attendance, personal observations, evaluations and professional judgment.

The right and responsibility to evaluate student cognitive and noncognitive abilities rest with the faculty.

Student Grades

Grades are distributed to students at the end of each quarter as follows:

- Dental** - Office of Admissions and Records
- Dental Hygiene** - Office of Admissions and Records
- Graduate** - Department in which student is enrolled

Review of Academic Process

Academic progress of students is monitored by the Student Promotions Committee. At the end of each quarter, and at any other time deemed appropriate by the Committee, the Student Promotions Committee reviews and evaluates each student's performance and recommends one of the following actions:

1. continue enrollment as a regular student;
2. continue enrollment as a student on academic probation;
3. continue enrollment as a special student;
4. repeat course work in any deficient areas, as appropriate
5. repeat a specific course(s) or a portion of the curriculum, or
6. dismissal.

The Student Promotions Committee also may require a student to be counseled if patient management or professional conduct issues are identified.

The committee will consist of 8 voting members; 4 from the clinical sciences, 2 from the biomedical sciences, and 1 from the dental hygiene faculty, appointed by the Committee on Committees and a chair appointed by the President and Dean. The Associate Dean for Academic Planning and Development, Director of Student Affairs and Director of Minority Affairs will serve as Advisory members.

Voting membership is restricted to faculty who have served full time at Baylor for at least 2 years. No department can supply more than 2 members and no member of the Administrative Council can serve as a voting member.

Students are eligible for unconditional promotion if they have passed all courses, exhibit satisfactory professional conduct and performance, and have earned a GPA as follows:

- First to Second Year 2.00
- Second to Third Year 2.00 cumulative
- Third to Fourth Year 2.00 cumulative
- Graduation 2.00 cumulative

Students who pass all subjects but who fail to meet the required GPA for unconditional promotion will either be dismissed, given the opportunity to undergo remediation or placed on academic probation if the GPA falls within the ranges listed below at the end of the academic year.

- First year 1.85-1.99
- Second year 1.85-1.99 cumulative
- Third year 1.85-1.99 cumulative

With the approval of the Student Promotions Committee, students who meet the required minimum GPA of 1.85, including all grades, may be permitted to repeat a maximum of two courses, with no more than ten (10) quarter hours of failure, for each of the first and second years, respectively.

A student who earns a grade of "F" in a course must re-register for that course. A minimum grade of "C" is required to pass the course. The cumulative GPA will include both the original "F" grade and the grade earned in the remediation course, and must be 2.00 or greater for unconditional promotion.

A student who receives a grade of F in the second year of dental school will not be allowed to begin clinical patient care until all deficiencies are removed.

Academic Probation

Any student whose grade point average (GPA) for any quarter is below 2.00 or whose cumulative GPA is below 2.00 at the end of any quarter shall be placed on academic probation subject to the provisions of the following dismissal policies. Academic Probation will be listed on the transcript.

Academic Dismissal

Conditions that result in dismissal from Baylor College of Dentistry:

- a. The following conditions will result in dismissal of *first year dental* students from Baylor College of Dentistry:
 - (1) A cumulative GPA under 1.00 at the end of Winter Quarter A1, or
 - (2) a cumulative GPA under 1.50 at the end of Winter Quarter B, or
 - (3) a cumulative GPA under 1.85 at the end of Spring Quarter.
- b. The following conditions apply to *all dental* students at Baylor College of Dentistry:
 - (1) A student on academic probation for three (3) consecutive quarters, excluding Summer Quarter, will be dismissed.

- (2) A student who earns more than ten quarter hours of "F" during a single academic year will be dismissed.
- (3) A student who earns more than 25 quarter hours of "F" for all classes taken at Baylor will be dismissed.

NOTE: A student failing General Dentistry may be given the opportunity to repeat the senior year.

Other conditions that may result in repetition of an academic year or dismissal from Baylor College of Dentistry:

- a. Any student on academic probation may be considered by the Student Promotions Committee for dismissal.
- b. A student who fails a required course two (2) times may be dismissed.
- c. A student who fails any course while repeating a year may be dismissed.
- d. A student who fails more than two (2) courses during a single academic year may be dismissed.
- e. The Student Promotions Committee reserves the right to recommend repetition of the year or dismissal of a student from the College who does not maintain professional conduct, proper patient management and ethical behavior. This action can be taken regardless of grades, but only after written notice has been given to the student indicating the area(s) of deficiency with sufficient time to correct these areas.

Complete details of the academic policies of the school are available from the Office of Academic Planning and Development.

Requirements for Graduation

A candidate for the degree of Doctor of Dental Surgery must have fulfilled the following requirements:

- Attained the age of twenty-one
- Demonstrated evidence of satisfactory moral and professional conduct
- Satisfactorily completed all of the prescribed courses of study
- Attained the required grade point average
- Passed Parts I & II of the National Board Dental Examination
- Be certified by the faculty as approved for graduation

- Be certified free of debts and obligations to the College

LICENSURE INFORMATION

National Board Examination

The National Board Dental Examinations are constructed and administered by the Joint Commission on National Dental Examinations. They provide a good means of assessing the knowledge of examinees, since the same standardized examination is taken by students from every dental school in the United States and certain foreign countries. Almost universally, the results on these examinations are accepted as the written portion of examinations for licenses to practice in the various states.

National Board Examinations are divided into two sections. The Part I section on basic and pre-clinical sciences is given to students during their second academic year. The Part II section on clinical sciences is taken during the fourth academic year. For the past 10 years, the record of Baylor students on both Part I and Part II examinations has been excellent.

The performance of the dental hygiene students on The National Board Dental Hygiene Examination has been excellent.

Licensure Requirements

Graduation from an accredited dental school does not automatically grant a graduate the license to practice. Each state has its own dental examining system which is responsible for evaluating candidates for licensure. Written and clinical examinations are usually required. At present, most states accept satisfactory performance on the National Board Dental Examination in partial fulfillment of the requirement for a written examination. The state of Texas participates in the Western Regional Examination Board.

AWARDS AND HONOR SOCIETIES

Scholastic Awards

The highest scholastic award for dental students is the **Gold Medal**, which is presented at graduation to the student who has attained the highest cumulative grade point average for the four years of study.

The four top-ranking dental students receive certificates in recognition of scholastic achievement. Other awards are presented to students who have demonstrated outstanding proficiency in selected subject areas of the curriculum.

Omicron Kappa Upsilon

Omicron Kappa Upsilon (OKU) is the national dental honor society founded in 1914 for the purpose of promoting scholarship among dental students. The Omicron Chapter was established at Baylor in 1914. Only those 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. Selections are made after the second quarter of the fourth year by teachers who are members of the Society. Each newly elected member receives a key which is symbolic of the Society.

Baylor Odontological Honor Society

The Baylor Odontological Honor Society was founded in 1959 by a group of dental students. New members are elected to the Society from the upper 25 percent of the third-year class. Selections are made by the fourth-year members on the basis of scholastic excellence, character, and leadership. The Society provides the members with a means to supplement their education beyond the formal dental curriculum. Members enjoy fellowship during monthly dinner meetings where they are able to share ideas and hear a variety of speakers covering many aspects of dentistry and the management of a practice.

Dean's Honor List

Each year, dental and dental hygiene students are recognized for their excellent academic records by having their names placed on the Dean's Honor List. In addition, a special Dean's Cumulative Honor List recognizes fourth-year dental and senior dental hygiene students for all years of their academic performance at Baylor College of Dentistry. The requirement for inclusion on the Dean's Honor List is to rank in the upper 20 percent of the class in overall academic performance for the year. Dental and dental hygiene students included on the Cumulative Honor List must have achieved a cumulative grade point average that ranks in the upper 20 percent of their respective classes.

CURRICULUM

Competencies

Competencies are outcomes of clinical training and experience, and represent the ability to perform or provide a particular, but complex, service or task.

The 20 competencies, organized by domain, define the objectives of the predoctoral program.

I. PROFESSIONALISM

1. Ethics *The new dentist must be able to discern and manage the ethical issues of dental practice in a rapidly changing environment.*
2. Information Management and Critical Thinking *The new dentist must be able to acquire and synthesize information in a critical, scientific, and effective manner.*

II. ASSESSMENT OF THE PATIENT AND THE ORAL ENVIRONMENT

3. Examination of the Patient *The new dentist must be able to perform an examination that collects biological, psychological, and social information needed to evaluate the medical and oral condition, for patients of all ages. This includes the ability to recognize and manage behavioral factors which affect oral health and use the information to implement strategies that facilitate the delivery of oral health care.*
4. Diagnosis *The new dentist must be able to determine a differential, provisional or definitive diagnosis by interpreting and correlating findings from the history, clinical and radiographic examination and other diagnostic tests.*
5. Treatment Planning *The new dentist must be able to develop, present, and discuss individual treatment plans for patients of all ages that are conservative yet address every aspect of the patient's condition, interest, and capabilities.*

III. ESTABLISHMENT AND MAINTENANCE OF A HEALTHY ORAL ENVIRONMENT

6. Prevention of Disease and Maintenance of Health *The new dentist must be able to provide care for patients of all ages that emphasizes prevention of oral disease and supports the maintenance of existing systemic and oral health.*
7. Control of Pain and Anxiety *The new dentist must be able to employ techniques to manage orofacial discomfort and psychological distress.*
8. Caries Management *The new dentist must be able to treat and manage caries in the primary, mixed and permanent dentitions.*
9. Endodontic Therapy *The new dentist must be able to treat diseases of pulpal and periradicular origin in the primary, mixed, and permanent dentitions.*
10. Periodontal Therapy *The new dentist must be able to treat and manage periodontal disease in the primary, mixed, and permanent dentitions.*

11. Surgical and Pharmacological Therapy *The new dentist must be able to evaluate, treat, and manage conditions requiring reparative surgical procedures on the hard and soft tissues in patients of all ages.*
12. Emergency Situations *The new dentist must be able to prevent and manage the majority of dental and medical emergency situations encountered in the practice of general dentistry.*
13. Occlusal Therapy *The new dentist must be able to treat and manage functional disorders involving the occlusion.*
14. Orthodontic Therapy *The new dentist must be able to diagnose and manage limited developmental or acquired occlusal abnormalities of the primary, mixed and permanent dentitions.*
15. Stomatology *The new dentist must be able to diagnose and manage limited or common non-life-threatening oral mucosal diseases or disorders.*

IV. RESTORATION OF FORM, FUNCTION AND ESTHETICS

16. Restorative/Prosthodontic Therapy *The new dentist must be able to provide restorations and prostheses that are correct in anatomical form, comfortable and functionally effective, and which satisfy the esthetic requirements of the patient or guardian.*

V. HEALTH PROMOTION

17. Community Involvement *The new dentist must be able to assume a leadership role in improving the oral health of individuals, families and groups in the community.*

VI. PRACTICE ADMINISTRATION

18. Establishing a Practice *The new dentist must be able to develop and manage a general practice.*
19. Office Systems *The new dentist must be able to demonstrate knowledge and skills in the administration of a practice using sound business principles.*
20. Personnel Management *The new dentist must be able to perform as an effective employer and leader.*

Students in the first and second years devote their time primarily to the basic biological and dental sciences. The curriculum during the third and fourth years emphasizes clinical practice supported by didactic instruction. Courses in the curriculum are consistent with guidelines of the Commission on Accreditation of the American

Dental Association to provide for cognitive, psychomotor, and affective development.

The curriculum at Baylor College of Dentistry is designed to correlate the basic biological sciences with the science and art of dentistry. It is under continuous review and therefore subject to change and improvement without prior notice, as the need occurs.

The faculty and administration are firm in the belief that students should develop their psychomotor abilities on laboratory models before beginning patient care.

AVAILABILITY OF PATIENTS

One of the most important aspects of the curriculum is its ability to provide students the opportunity to manage a variety of clinical conditions in each of the clinical disciplines. The Dallas-Fort Worth Metroplex and surrounding communities provide an abundance of patients from all socioeconomic levels. Baylor College of Dentistry meets the needs of nearly 21,000 patients each year. Approximately 150,000 patient visits were recorded annually in the College's ten clinics during recent years. Patient care includes children, the elderly, and those who are mentally or physically handicapped. A specialty clinic for the treatment of the handicapped is provided by the College to train students in many of the unique care requirements of special patients. A stomatology clinic which has received an award from the American Dental Association is the only one of its kind in the southwest and receives referrals not only from practitioners in this area but also in surrounding states and Europe. In addition, students make regular visits to the Texas Scottish Rite Hospital for Crippled Children, Children's Medical Center in Dallas, and the Denton State School for the Mentally Handicapped to provide dental care for children. Student experience is also enhanced by off-campus programs in public schools, community agencies, and state institutions in the area.

Extramural Community Activities

In addition to the dental care provided in the College clinics, Baylor College of Dentistry provides a broad range of dental services to the people of Texas. These activities, conducted with approximately forty (40) local, state, and federal agencies, enhance and supplement traditional dental education by providing services which are not otherwise available. The services, provided by students, faculty, and staff, include dental care, dental screening and examinations, health education, dental con-

sultations, laboratory testing, program consultations and reviews in addition to research programs with schools, hospitals, and local, state and federal agencies.

Summer Clinic

The patient treatment clinics are in operation for an abbreviated period during the Summer quarter. Students are afforded an added opportunity to improve their professional skills.

Students participating in the Summer Clinic will be in attendance Monday through Friday from 10:00 a.m. to 4:30 p.m. All clinic policies are maintained and block assignments are mandatory.

C U R R I C U L U M

First Year Curriculum

Clock Hours by Quarter

Courses	Fall		Winter		Spring		Total Clinic Hours	Total Qtr. Hours
	Lect.	Lab.	Lect.	Lab.	Lect.	Lab.		
6500 Biochemistry	33	—	33	—	—	—	—	6
6520 Principles of Epidemiology and Preventive Dentistry	—	—	11	—	—	—	—	1
6540 Dental Anatomy	22	—	11	—	—	—	—	3
6543 Dental Anatomy-C	—	66	—	33	—	—	—	3
6580 Dental Materials	—	—	9	21	—	—	—	2
6600 General Histology	22	33	6	9	—	—	—	5
6620 General Pathology	—	—	—	—	33	—	—	3
6640 Gross Anatomy	33	99	9	27	—	—	—	8
6660 Growth and Development	10	—	12	—	—	—	—	2
6680 History of Dentistry	11	—	—	—	—	—	—	1
6690 Human Behavior in Dentistry	—	—	—	—	11	—	—	1
6724 Intro to Clin Prac I-C	—	—	—	—	—	—	16	1
6740 Microbiology	—	—	22	42.5	22	—	—	5
6770 Neuroscience	—	—	24	—	9	—	—	3
6800 Occlusion	—	—	—	—	11	—	—	1
6804 Occlusion-C	—	—	—	—	—	22	—	1
6820 Oral Histology	—	—	—	—	33	9	—	3
6860 Introduction to Periodontics	—	—	—	—	4	8	—	1
6870 Physiology	—	—	20	15	44	30	—	8
6880 Principles of Dental Public Health	—	—	—	—	11	—	—	1
6840 Operative Dentistry	—	—	—	—	11	—	—	1
6844 Operative Dentistry - C	—	—	—	—	—	66	—	2

"C" following a course title indicates a clinical or pre-clinical course.

Second Year Curriculum

Clock Hours by Quarter

Courses	Fall		Winter		Spring		Total Clinic Hours	Total Qtr. Hours
	Lect.	Lab.	Lect.	Lab.	Lect.	Lab.		
7020 Endodontics	—	—	3	—	11	—	—	1.5
7024 Endodontics-C	—	—	—	9	—	33	—	1
7040 Fixed Prosthodontics	11	—	11	—	22	—	—	4
7044 Fixed Prosthodontics-C	—	66	—	66	—	66	—	6
7060 General Pathology	33	—	—	—	—	—	—	3
7080 Intro to Clin Practice II	—	—	7	—	7	—	—	1
7084 Intro to Clin Practice II-C	—	—	—	—	—	—	66	2
7090 Nutrition	22	—	—	—	—	—	—	2
7100 Operative Dentistry	11	—	11	—	—	—	—	2
7104 Operative Dentistry-C	—	66	—	33	—	—	—	3
7120 Oral & Maxillofacial Surgery	—	—	—	—	11	—	—	1
7140 Preclin Diagnostic Sci I	11	—	—	—	—	—	—	1
7160 Oral Pathology	—	—	22	—	22	—	—	4
7173 Radiography-C	—	3	—	15	—	—	—	1
7170 Oral Radiology	22	—	—	—	—	—	—	2
7190 Preclin Diagnostic Sci II	—	—	22	—	11	—	—	3
7210 Orthodontics	—	—	—	—	11	—	—	1
7214 Orthodontics-C	—	—	—	—	—	33	—	1
7230 Pain & Anxiety Control	—	—	11	—	—	—	—	1
7240 Nitrous Oxide & Cons Sedation	—	—	—	—	11	—	—	1
7250 Pediatric Dentistry	—	—	—	—	11	—	—	1
7254 Pediatric Dentistry-C	—	—	—	—	—	33	—	1
7270 Periodontics	6	—	11	—	11	—	—	2.5
7274 Periodontics-C	—	—	—	—	—	—	36	1
7290 Pharmacology	—	—	11	18	—	—	—	2
7330 Applied Preventative Dentistry	5	—	11	—	—	—	—	1.5
7350 Removable Prosthodontics	11	—	11	—	11	—	—	3
7353 Removable Prosthodontics-C	—	66	—	66	—	33	—	5

"C" following a course title indicates a clinical or pre-clinical course

C U R R I C U L U M

Third Year Curriculum

Clock Hours by Quarter

Courses	Fall		Winter		Spring		Total Clinic Hours	Total Qtr. Hours
	Lect.	Lab.	Lect.	Lab.	Lect.	Lab.		
8000 Summer Clinic	—	—	—	—	—	—	—	0
8002 Clin Prev Dent-C	—	—	—	—	—	—	—	0.3
8003 Clin Prev Dent-C	—	—	—	—	—	—	—	0.3
8004 Clin Prev Dent-C	—	—	—	—	—	—	40	0.4
8020 Principles of Biostatistics	—	—	6	—	11	—	—	1.5
8060 Endodontics	11	—	—	—	—	—	—	1
8064 Endodontics-C	—	—	—	—	—	—	50	2
8080 Fixed Prosthodontics	11	—	—	—	11	—	—	2
8082 Fixed Prosthodontics-C	—	—	—	—	—	—	2	—
8083 Fixed Prosthodontics-C	—	—	—	—	—	—	—	1
8084 Fixed Prosthodontics-C	—	—	—	—	—	—	150	1
8100 Geriatric Dentistry	—	—	—	—	11	—	—	1
8120 Hospital Dentistry	—	—	—	—	11	—	—	1
8140 Human Behavior In Dentistry	11	2	—	—	—	—	—	1
8150 Contemporary Dental Materials	—	—	—	—	11	—	—	1
8160 Pain & Anxiety Control	—	—	—	—	11	—	—	1
8170 Medical Emergencies	—	—	11	—	—	—	—	1
8180 Implant Dentistry	—	—	11	—	—	—	—	1
8200 Occlusion	—	—	11	—	11	—	—	2
8204 Occlusion-C	—	—	—	—	—	22	—	1
8220 Operative Dent	11	—	—	—	11	—	—	2
8222 Operative Dent-C	—	—	—	—	—	—	—	2
8223 Operative Dent-C	—	—	—	—	—	—	—	2
8224 Operative Dent-C	—	—	—	—	—	—	295	3
8240 Oral & Maxi Surg	11	—	11	—	—	—	—	2
8244 Oral & Maxi Surg-C	—	—	—	—	—	—	75	2
8264 Oral Diagnosis-C	—	—	—	—	—	—	100	3
8280 Clin Prin of Patient Evaluation	—	—	11	—	11	—	—	2
8304 Oral Radiography-C	—	—	—	—	—	—	40	1
8320 Orthodontics	11	—	11	—	—	—	—	2
8324 Orthodontics-C	—	—	—	—	—	—	25	1
8340 Pediatric Dentistry	11	—	11	—	—	—	—	2
8342 Pediatric Dentistry-C	—	—	—	—	—	—	—	0.6
8343 Pediatric Dentistry-C	—	—	—	—	—	—	—	0.6
8344 Pediatric Dentistry-C	—	—	—	—	—	—	50	0.8
8360 Periodontics	11	—	15	—	—	—	—	1.5
8362 Periodontics-C	—	—	—	—	—	—	—	0.5
8363 Periodontics-C	—	—	—	—	—	—	—	1
8364 Periodontics-C	—	—	—	—	—	—	115	1
8370 Professional Ethics	—	—	11	—	—	—	—	1
8380 Pharmacology	22	—	22	—	—	—	—	4
8400 Removable Prosthodontics	11	—	11	—	11	—	—	3
8402 Removable Prosthodontics-C	—	—	—	—	—	—	—	1
8403 Removable Prosthodontics-C	—	—	—	—	—	—	—	2
8404 Removable Prosthodontics-C	—	—	—	—	—	—	190	2

"C" following a course title indicates the clinical or pre-clinical portion of the course.

C U R R I C U L U M

Fourth Year Curriculum

Clock Hours by Quarter

Courses	Fall		Winter		Spring		Total Clinic Hours	Total Qtr. Hours
	Lect.	Lab.	Lect.	Lab.	Lect.	Lab.		
9000 Summer Clinic	—	—	—	—	—	—	0	—
9004 Clinical Services Assign-C	—	—	—	—	—	—	225	6
9010 Dental Jurisprudence	—	—	11	—	—	—	—	1
9020 Endodontics	11	—	—	—	—	—	—	1
9040 Advancements in Techniques and Materials	11	—	11	—	—	—	—	2
9044 General Dent-C*	—	—	—	—	—	—	970	25
9050 Oral & Maxillofacial Surg	11	—	—	—	—	—	—	1
9070 Orthodontics	—	—	11	—	—	—	—	1
9090 Pediatric Dentistry	11	—	—	—	—	—	—	1
9200 Periodontics	11	—	—	—	—	—	—	1
9110 Pharmacology	11	—	—	—	—	—	—	1
9120 Practice Administration	11	—	11	—	—	—	—	2
9140 Professional Ethics	—	—	11	—	—	—	—	1
9160 Seminar	—	—	11	—	11	—	—	0
9170 Fixed / Removable Prosthodontics	11	—	—	—	—	—	—	1
9190 Adv Prin of PT Eval	11	—	—	—	—	—	—	1

*All Clinical Programs except 9004 are included in 9044 General Dentistry
"C" following a course title indicates a clinical or pre-clinical course.

C O U R S E D E S C R I P T I O N**COURSE DESCRIPTIONS**

Numbers have been assigned within a designated pattern, with first-year courses numbered 6500 - 6999, second-year from 7000 - 7999, third-year from 8000 - 8999 and fourth-year from 9000 - 9999. An "S" preceding a course number indicates a selective course. A "C" following a course title indicates a clinical or pre-clinical course.

- | | | | |
|------|--|------|--|
| 6500 | BIOCHEMISTRY/Chemical and metabolic processes in the human biological implications of chemical events | 6680 | HISTORY OF DENTISTRY/Earliest beginnings of dentistry; development of the profession in the United States and throughout the world |
| 6520 | PRINCIPLES OF EPIDEMIOLOGY AND PREVENTATIVE DENTISTRY/Biostatistical concepts in research and population studies; principles of epidemiology applied to oral diseases | 6690 | HUMAN BEHAVIOR IN DENTISTRY/ Application of principles of communication and motivation relevant to doctor-patient relations, patient compliance, and stress management |
| 6540 | DENTAL ANATOMY/Form and function of the human dentition | 6724 | INTRODUCTION TO CLINICAL PRACTICE I-C/Observation and assistance of students in delivering dental services in preventive dentistry, oral diagnosis, periodontics, and general dentistry; dental health education; patient interviewing; history taking; record management |
| 6543 | DENTAL ANATOMY-C/Drawing and carving teeth to scale; restoring tooth form in wax to normal relation with adjacent and opposing teeth; identification of extracted natural teeth | 6740 | MICROBIOLOGY/Microorganism metabolism, genetics, bacteriology, immunology, virology, mycology, sterilization, chemotherapy, and the oral microbial diseases; basic and applied laboratory exercises correlated with lecture topics |
| 6580 | DENTAL MATERIALS/Introduction to the effects of physical, chemical and mechanical properties on the manipulation of materials used in dentistry; laboratory exercises to demonstrate clinical applications. | 6770 | NEUROSCIENCE/Gross structural features and functions of the human nervous system; emphasis on physiology of nerve membrane and receptors, neural pathways for the major sensory and motor systems; the cranial nerves, and the autonomic of the head and neck |
| 6600 | GENERAL HISTOLOGY/Microscopic and ultrastructural features of cells tissues and organ systems of the human; light- and electron-microscopic study of human tissues | 6800 | OCCLUSION/Temporomandibular joint occlusal function; intercuspal relationships; mandibular movements; record transfer; use of a semi-adjustable articulator |
| 6620 | GENERAL PATHOLOGY/Gross and microscopic tissue changes in disease; correlation of pathologic processes, symptoms, and laboratory findings | 6804 | OCCLUSION-C/Pre-clinical laboratory to accompany Course 6800 |
| 6640 | GROSS ANATOMY/Gross morphology of the human with special emphasis on the head and neck; dissection of the cadaver | 6820 | ORAL HISTOLOGY/Normal development and structure of tissues associated with the tooth proper, its adnexa, and the oral cavity; light-, scanning electron-, and transmission electron microscopy; microfiche Gottlieb slides; emphasis on clinical aspects of oral histology |
| 6660 | GROWTH AND DEVELOPMENT/Psychological and emotional development; physical growth and development of the craniofacial skeleton; normal occlusion, dental and skeletal malocclusions; introductory cephalometric analysis | 6840 | OPERATIVE DENTISTRY/Introduction to the treatment of diseased and injured teeth; emphasis on principles of cavity preparation; principles and manipulation of restorative materials |
| | | 6844 | OPERATIVE DENTISTRY -C/Pre-clinical laboratory to accompany course 6840 |

COURSE DESCRIPTION

- 6860 INTRODUCTION TO PERIODONTICS/Introduction to periodontics, etiology and pathogenesis of periodontal disease; introduction to therapy (scaling and root planing)
- 6870 PHYSIOLOGY/Theory and principles of human body function; detailed study of the cell membrane, skeletal muscle, blood, heart, lungs, gastrointestinal system, kidney and endocrine glands; demonstration of many principles in laboratory exercises
- 6880 PRINCIPLES OF DENTAL PUBLIC HEALTH/Introduction to the principles of dental public health
- 7010 DENTAL AUXILIARY UTILIZATION/Utilization of the dental assistant, 9 hours, self study
- 7020 ENDODONTICS/Introduction to Endodontics; technical and biological bases for non-surgical root canal therapy; access, cleaning, shaping, and filling of root canals
- 7024 ENDODONTICS-C/Pre-clinical laboratory; discussion and demonstrations of techniques for nonsurgical root canal therapy including access opening, cleaning, shaping, and filling of root canals in models and extracted teeth
- 7040 FIXED PROSTHODONTICS/Instruction in the design and fabrication of fixed partial dentures and crown restorations, fabrication techniques and related dental materials
- 7044 FIXED PROSTHODONTICS/Laboratory to accompany course 7040
- 7060 GENERAL PATHOLOGY/Diseases of specific organ systems; pathology of infectious diseases
- 7080 INTRODUCTION TO CLINICAL PRACTICE II/Functions and expectations of clinical departments; oral examination; diagnosis; treatment planning, patient management, infection control, oral disease prevention; dental and medical emergencies; professional ethics
- 7084 INTRODUCTION TO CLINICAL PRACTICE II-C/Clinic applications to accompany Course 7080
- 7090 NUTRITION/Nutritional biochemistry; application of the principles of nutrition to the practice of dentistry
- 7100 OPERATIVE DENTISTRY/Treatment of diseased and injured teeth; emphasis on principles of cavity preparation; principles and manipulation of restorative materials
- 7104 OPERATIVE DENTISTRY-C/Pre-clinical laboratory to accompany Course 7100
- 7120 ORAL & MAXILLOFACIAL SURGERY/Basic guidelines, principles and techniques of dentoalveolar surgery and exodontia; surgical pharmacology; patient evaluation and risk assessment. Preparatory course for clinical oral surgery assignment
- 7140 PRE-CLINICAL DIAGNOSTIC SCIENCES I/Introduction to clinical diagnostic methods related to the general health status of the patient such as the patient history, extraoral examination, and clinical laboratory studies; principles of physical assessment of the dental patient
- 7160 ORAL PATHOLOGY/Etiology as histopathology, and clinical aspects of oral disease, emphasis on disorders of development, inflammatory conditions (both infective and non-infective), and neoplasia
- 7173 ORAL RADIOGRAPHY-/Provides supervised practical experience in the application of the geometrical and photochemical principles of radiographic image formation
- 7170 ORAL RADIOLOGY/Physics of x-ray production; operation of dental x-ray equipment; factors affecting radiographic images; techniques for making and processing intra-oral and extra-oral radiographs
- 7190 PRE-CLINICAL DIAGNOSTIC SCIENCES II/Oral and dental physical examination techniques, radiographic interpretation of dental findings and jaw lesions, principles of radiation protection, diagnosis of oral and perioral disease, clinical documentation, dental treatment planning
- 7210 ORTHODONTICS/Basic techniques of wire and acrylic manipulation including soldering, welding, band fabrication, and bonding
- 7214 ORTHODONTICS-C/Patient evaluation during five weeks of clinical rotation; seminar-based instruction in diagnosis and treatment-planning procedures

COURSE DESCRIPTION

- 7230 PAIN & ANXIETY CONTROL/Regional pain control; pre-anesthetic evaluation of patients, techniques of administration, pharmacology and management of complications after administration of local anesthetics
- 7240 CONSCIOUS SEDATION IN DENTISTRY/ Including nitrous oxide-oxygen, oral and parenteral sedation techniques and drugs, patient evaluation and potential problems
- 7250 PEDIATRIC DENTISTRY/Concepts of dentistry for children; use of models and Typodont in pediatric dentistry
- 7254 PEDIATRIC DENTISTRY-C/Pre-clinical laboratory to accompany Course 7250
- 7270 PERIODONTICS/Classification of periodontal disease, systemic and dysfunctional factors associated with periodontal disease, diagnosis and management of periodontal diseases, emphasis on specific therapeutic techniques
- 7290 PHARMACOLOGY/Terms and principles essential to understanding drug actions, analgesic drugs prescription writing techniques; lecture and laboratory
- 7330 APPLIED PREVENTIVE DENTISTRY/Scientific basis for preventive dentistry interventions
- 7350 REMOVABLE PROSTHODONTICS/Concepts and techniques for fabricating complete and partial dentures. Complete dentures fabricated on a manikin, theory of various denture occlusions; theories of RPD design, mouth preparation & laboratory communication
- 7353 REMOVABLE PROSTHODONTICS-C/Pre-clinical laboratory to accompany course 7350
- 8000 SUMMER CLINIC-C/All phases of clinic practice; required attendance for third-year students
- 8002 CLINICAL PREVENTIVE DENTISTRY-C/ Principles and techniques in the prevention and control of oral diseases
- 8003 CLINICAL PREVENTIVE DENTISTRY-C/ Continuation of Course 8002
- 8004 CLINICAL PREVENTIVE DENTISTRY-C/ Continuation of Course 8003
- 8020 PRINCIPLES OF BIOSTATISTICS/Introduction to biostatistical concepts in research and population studies
- 8044 DENTAL AUXILIARY UTILIZATION-C/Clinical application of course 7010
- 8060 ENDODONTICS/Clinical endodontics; diagnosis and management of pulpal and periradicular disease; integration of pulpal biology and clinical practice
- 8064 ENDODONTICS-C/Clinical application of Course 8060
- 8080 FIXED PROSTHODONTICS/Biological, physiological, anatomical, and esthetic factors related to diagnosis, treatment planning, and patient treatment
- 8082 FIXED PROSTHODONTICS-C/Clinical application of Course 8080
- 8083 FIXED PROSTHODONTICS-C/Clinical application of Course 8080
- 8084 FIXED PROSTHODONTICS-C/Clinical application of Course 8080
- 8100 GERIATRIC DENTISTRY/Psychosocial, biological, preventive, pharmacological, and therapeutic considerations in providing oral health care for an aging population
- 8120 HOSPITAL DENTISTRY/Administrative aspects of outpatient and inpatient care for oral and maxillofacial surgery and dental treatment when provided in the hospital management setting by general dentists (course includes a 1 week hospital rotation in succeeding quarters)
- 8140 HUMAN BEHAVIOR IN DENTISTRY/ Behavioral principles applied to patient and staff management and satisfaction including behavioral approaches to pain and anxiety control
- 8150 CONTEMPORARY DENTAL MATERIALS/ Advanced topics in dental materials emphasizing the relationship between materials' properties and clinical applications. Comparisons between recent product developments and conventional materials
- 8160 PAIN AND ANXIETY CONTROL/General anesthesia in dentistry
- 8170 MEDICAL EMERGENCIES/Prevention, recognition and management of medical

COURSE DESCRIPTION

- emergencies; management of medically compromised patients.
- 8180 IMPLANT DENTISTRY/Indications and techniques for using implants to provide stability for dentures; coordination between prosthodontist and surgeon to achieve a successful prognosis
- 8200 OCCLUSION/Diagnosis and treatment of potentially pathologic and clinically pathologic occlusal conditions; etiologic factors; effects of pathofunction on oral tissues; diagnostic aids and methods of treatment
- 8204 OCCLUSION-C/Pre-clinical laboratory to accompany Course 8200
- 8220 OPERATIVE DENTISTRY/Art and science of treating diseased teeth; restoration of proper tooth form, function, and esthetics
- 8222 OPERATIVE DENTISTRY-C/Clinical application of Course 8220
- 8223 OPERATIVE DENTISTRY-C/Clinical application of Course 8220
- 8224 OPERATIVE DENTISTRY-C/Clinical application of Course 8220
- 8240 ORAL & MAXILLOFACIAL SURGERY/Continuation of OMS Course 7120. Advanced principles and techniques of dentoalveolar surgery and patient management, including office medical emergencies, infection management, impacted tooth removal, trauma, pre-prosthetic surgery, chronic pain and dysfunction management, corrective surgery, and other advanced concepts of oral and maxillofacial surgery
- 8244 ORAL & MAXILLOFACIAL/SURGERY-C/Clinical application of Course 8240
- 8264 ORAL DIAGNOSIS-C/Clinical application of Course 8260; practical approach to examination, diagnosis, and treatment planning
- 8280 DIAGNOSTIC SCIENCES. CLINICAL PRINCIPLES OF PATIENT EVALUATION/Clinicopathological conference format; differential diagnosis of oral signs and symptoms
- 8304 ORAL RADIOGRAPHY-C/Application of basic principles, procedures, and techniques of clinical radiology to patients
- 8320 ORTHODONTICS/Response of oral tissues to tooth movement; biomechanics, anchorage, and appliance design; early diagnosis of existing and potential orthodontic problems; interceptive methods; appliances for maintaining or regaining space; elective orthodontic procedures in general dentistry; fixed and removable appliances for crossbite correction diastema, closure, and pre-prosthetic molar and bicuspid repositioning
- 8324 ORTHODONTICS-C/Clinical application of Course 8320
- 8340 PEDIATRIC DENTISTRY/Treatment planning and child management; special problems in pediatric dentistry; emphasis on complete dental rehabilitation of patients
- 8342 PEDIATRIC DENTISTRY-C/Clinical application of Course 8340
- 8343 PEDIATRIC DENTISTRY-C/Clinical application of Course 8340
- 8344 PEDIATRIC DENTISTRY-C/Clinical application of Course 8340
- 8360 PERIODONTICS/Introduction to advanced periodontal techniques; periodontics as it relates to general practice
- 8362 PERIODONTICS-C/Clinical application of Course 8360; management of the periodontal patient with mild to moderate involvement
- 8363 PERIODONTICS-C/Clinical application of Course 8360
- 8364 PERIODONTICS-C/Clinical application of Course 8360
- 8370 PROFESSIONAL ETHICS/Principles and theory; case analysis and decision making; humanizing health care; virtue ethics
- 8380 PHARMACOLOGY/Survey of general pharmacology; detailed study of drugs useful in dentistry
- 8400 REMOVABLE PROSTHODONTICS/Fabrication of removable complete dentures, partial dentures, and immediate dentures
- 8402 REMOVABLE PROSTHODONTICS-C/Clinical application of Course 8400

COURSE DESCRIPTION

- 8403 REMOVABLE PROSTHODONTICS-C/Clinical application of Course 8400
- 8404 REMOVABLE PROSTHODONTICS-C/Clinical application of Course 8400
- 9000 SUMMER CLINIC-C/All phases of clinical practice; required attendance for fourth-year students
- 9004 CLINICAL SERVICES ASSIGNMENT-C/Continuing clinical experience in selected specialties; emergency treatment in a practice setting; oral and maxillofacial surgery appropriate for general practice; oral diagnosis; treatment planning
- 9010 DENTAL JURISPRUDENCE/Legal aspects of dental practice
- 9020 ENDODONTICS/Advanced endodontics; endodontic-periodontic interrelationships; management of root resorption and root fractures endodontic surgery; technological advances in endodontics
- 9040 ADVANCEMENTS IN TECHNIQUES AND MATERIALS/Innovations and advancements in dental therapeutics; scientific basis for selection of materials and techniques; controversies in therapeutics
- 9044 GENERAL DENTISTRY-C/All phases of General Dentistry performed as required for each assigned patient; seminars and student presentations; minimum of four quarters required *
- * Areas included in the General Dentistry Program are: Fixed Prosthodontics, Geriatrics, Removable Prosthodontics, Operative Dentistry, Oral and Maxillofacial Surgery, Oral Diagnosis, Orthodontics, Pediatric Dentistry, Periodontics, Endodontics, Community Health and Preventive Dentistry and Oral Radiography, Special Care Clinic
- 9050 ORAL & MAXILLOFACIAL SURGERY/Continuation of OMS Course 8240. Additional advanced principles, aspects, and techniques of the expanded scope of oral and maxillofacial surgery and ancillary concepts, including head and neck cancer recognition and management concepts, salivary gland disease, cleft lip and palate patients, odontogenic and non-odontogenic tumor and cyst management, laceration management, etc.
- 9070 ORTHODONTICS/Comprehensive case analysis and treatment planning; role of the general dentist in detection, interception, and treatment of orthodontic problems
- 9090 PEDIATRIC DENTISTRY/Advanced procedures; complete dental rehabilitation of the child patient
- 9110 PHARMACOLOGY/Pharmacology in dental practice; therapeutic use of drugs, toxicology, drug interactions in patients receiving multiple drug therapy
- 9120 PRACTICE ADMINISTRATION/Associateships; purchasing existing practices; locating and financing a dental practice; taxes and insurance; staffing and delegation of duties; marketing; OSHA; stress management; 3rd party considerations
- 9140 PROFESSIONAL ETHICS/Principles and theory, professional responsibility; case discussion and analysis/decision making; humanizing healthcare; virtue ethics
- 9160 SEMINAR/Topics and issues of special concern to dental practitioners
- 9170 FIXED AND REMOVABLE PROSTHODONTICS/Advanced techniques and theories in the restoration of masticatory function and maintenance of oral health in edentulous or partially edentulous patients
- 9190 ADVANCED PRINCIPLES OF PATIENT EVALUATION/Advanced understanding of the problem solving aspects of the diagnostic process involving treatment planning and case presentation, medical diagnostics used in the physical assessment of patients, medical ethics and board review in developmental syndromes of the head and neck, dental radiology and pathology
- 9200 PERIODONTICS-ADVANCED PRINCIPLES OF PATIENT EVALUATION AND TREATMENT/Comprehensive case analysis and treatment planning emphasizing periodontal literature and interdisciplinary concerns.
- S— SELECTIVE COURSES/A variety of courses are offered with a minimum two quarter hours required. Some selected courses have limited enrollment

SELECTIVE COURSES

ADVANCED CONCEPTS IN ENDODONTICS/ Topics essential to successful diagnosis and treatment; innovative techniques (Endodontics)

ADVANCED DENTAL DIAGNOSTIC PROBLEM-SOLVING/The seminar series provides the student with experience in solving both common and unusual dental diagnostic problems by presenting a series of patient simulations. The student assesses the available diagnostic information, determines the need for additional diagnostic data, reaches rational diagnostic conclusions and determines appropriate management to solve clinical problems presented by the patient.

GERIATRIC ORAL MEDICINE/Dental and medical conditions unique to dental care of elderly patients; development of skill in diagnosis and treatment planning; clinical management of both healthy and frail elderly patients (Public Health Sciences)

ADVANCED PEDIATRIC DENTISTRY/Methods for treating difficult cases, including the medically compromised or severely handicapped child; pre-medication techniques; participation in pediatric general anesthesia case; observation of treatment at Children's Medical Center and Texas Scottish Rite Hospital for Crippled Children; participation in patient evaluation (Pediatric Dentistry)

ADVANCED PERIODONTAL SURGERY/Anatomy; wound healing; techniques, indications and contraindications; opportunity for clinic treatment of case (Periodontics)

ADVANCED RESTORATIVE PROSTHODONTIC DENTISTRY/Introduce students to advanced restorative procedures in prosthodontics through lectures, case presentations and clinic demonstrations.

APPLIED HEAD AND NECK ANATOMY/Review of the basic structure of the head and neck from a regional approach, relationship of anatomy to clinical topics, including hemorrhage control, spread of infection, local anesthesia, growth and development, temporomandibular joint function, craniofacial muscular-nerve disorders, radiographic anatomy, and airway maintenance (Biomedical Sciences)

BASIC PREPARATION FOR ADVANCED CARDIAC LIFE SUPPORT (ACLS)/Review of cardiovascular physiology with emphasis on heart abnormalities, ECG alterations, and heart failure, diagnosis of

respiratory obstruction, respiratory arrest, cardiac arrest, and ventricular fibrillation; proficiency in basic CPR treatment and ACLS equipment, including breathing bags, ECG, and pharmacologic agents (Biomedical Sciences)

CERAMICS/Theory and fabrication of ceramometal and all-ceramic prosthodontic restorations (Fixed Prosthodontics)

CLINICAL DENTAL PUBLIC HEALTH PRACTICE Dallas area agencies and institutions providing dental public health services; role and responsibilities of dentist to the community (Public Health Sciences)

CLINICAL IMPLICATIONS OF ORAL CANCER/Molecular basis of disease, pathology and special dental needs of patients; clinical rotation at Dallas VA Medical Center; participation in Tumor Board meetings (Biomedical Sciences)

COMMUNITY RURAL PRECEPTORSHIP/Observation and experience in the conduct and management of dental practice in a rural community (Public Health Sciences)

DENTAL IMPLANTOLOGY: A LABORATORY/COURSE Practical aspects of dental implantology (Removable Prosthodontics)

DENTAL PHOTOGRAPHY/Basic knowledge and skills; hands on intra-oral and extra-oral experience (General Dentistry)

DENTISTRY FOR THE HANDICAPPED PATIENT/Management, techniques, and methods for patients with cerebral palsy or mental retardation; appropriate home oral hygiene methods; clinic experience at Texas Scottish Rite Hospital for Crippled Children and Denton State School (Pediatric Dentistry)

ELECTROSURGERY/Electrosurgical effects on tissues and wound-healing; indications and contraindications for electrosurgery; advantages and disadvantages of electrosurgery; techniques (General Dentistry)

ETIOLOGY AND PREVENTION OF ODONTOGENIC AND NOSOCOMIAL INFECTIONS/Review of principles of infectious diseases in dentistry; dynamics of oral flora; collection and processing of oral samples; etiologic agents in oral infections; mechanisms of odontogenic and nosocomial infections; principal anti-infective agents; dental office infection control (Biomedical Sciences)

COURSE DESCRIPTION

EXTRAMURAL EXPERIENCE IN A MOBILE DENTAL PRACTICE TREATING DEBILITATED ELDERLY PATIENTS/Methods and techniques in a mobile dental practice; dental treatment of debilitated elderly patients (Public Health Sciences)

FORENSIC DENTISTRY AND DISASTER PLANNING/History and scope; legal aspects dental identification; forensic radiology and photography; blood group determinations; bite mark evidence; cranial characteristics as determinants of age, sex, and race; dentist and battered child syndrome; professional responsibility and malpractice; dentist in mass disasters (Public Health Sciences)

ORAL AND MAXILLOFACIAL SURGERY *Additional in-depth discussions of advanced OMS topics not in the core curriculum, for students interested in the field of oral and maxillofacial surgery*/Topics are selected by the participants from a pool of 24 different topics. The emphasis is "hands-on" participation and open forum discussions. (Oral and Maxillofacial Surgery and Pharmacology)

ORTHODONTIC EXTERNSHIP/Recognition of developing malocclusion; ramifications of early malocclusion on the later occlusal scheme: observation of an orthodontic practice; coordination between general practice and orthodontics (Orthodontics)

PRINCIPLES AND MANAGEMENT OF MEDICAL EMERGENCIES/Evaluation of healthy or medically compromised patients for potential medical emergencies; management strategies; intramuscular and intravenous techniques; office design and protocol; simulations of emergencies (Pharmacological Sciences)

SELECTING MATERIALS FOR YOUR DENTAL PRACTICE/Review and comparison of dental materials important in general dentistry (Biomaterials Sciences)

STOMATOLOGICAL DISORDERS OF INTEREST TO THE GENERAL DENTIST/Diagnosis, treatment and management of common oral mucosal diseases, including recurrent aphthae, erosive lichen

planus, cicatricial pemphigoid, burning mouth syndrome, xerostomia, candidosis, etc. (Periodontics)

TOBACCO CESSATION PROGRAM FOR THE DENTAL PATIENT AND MANAGEMENT OF THE CHEMICALLY DEPENDENT PATIENT/National Cancer Institute tobacco use intervention program; other substances of abuse; management strategies (Pharmacology)

TOOTH-COLORED RESTORATIONS FOR POSTERIOR TEETH/Composition and application of composites: preparation of teeth for composite or porcelain inlays/onlays; application of glass ionomers; bonding of etched porcelain inlay/onlay to tooth structure (General Dentistry)

TMD (formerly called OCCLUSION)/Examination, diagnosis, and treatment of an occlusal problem; identification of problems requiring a specialist (General Dentistry)

UNDERSTANDING AND TREATING THE COMPROMISED DENTAL PATIENT/Evaluation of patients; monitoring; indications for sedatives; medical consultation; modifications of dental treatment (Pharmacology)

VENEERING DISCOLORED TEETH/Diagnosis of discoloration type; preparation of tooth for veneering; composite veneers; etched porcelain laminate veneers; vital bleaching techniques (General Dentistry)



The mission of the Caruth School of Dental Hygiene is to educate preventive oral health professionals, eligible for licensure as dental hygienists, who are capable of providing educational, clinical and therapeutic services that support total health through the promotion of optimal oral health.

History

The Caruth School of Dental Hygiene is an integral part of Baylor College of Dentistry. The dental hygiene school was equipped in 1954 through a generous gift from the Caruth Foundation of Dallas and Mr. W. W. Caruth, Jr., in honor of Mr. W. W. Caruth, Sr., a pioneer Texas philanthropist.

The first dental hygiene students were accepted in the Fall of 1955. At that time there was no requirement for previous college experience. In 1964 the Caruth School of Dental Hygiene established prerequisite courses prior to professional study. During the same year the Bachelor of Science degree was offered in addition to the traditional certificate program. All graduates since 1973 have received the degree of Bachelor of Science in Dental Hygiene.

Purpose

The purpose of the Caruth School of Dental Hygiene is to educate preventive oral health professionals, eligible for licensure as dental hygienists, who are capable of providing educational, clinical and therapeutic services that support total health through the promotion of optimal oral health.

Opportunities

The services of a dental hygienist are offered in private dental practices and clinics, public health agencies, school systems, hospitals, nursing homes and corporate health facilities. Dental hygienists also teach in dental and dental hygiene programs and participate in health research. The baccalaureate degree offered through the Caruth School of Dental Hygiene by Baylor College of Dentistry satisfies the educational requirement for eligibility for state licensure. Graduates are provided with diverse experiences to prepare for a variety of employment settings and to pursue graduate education.

ADMISSIONS

Prerequisite Courses

Caruth School of Dental Hygiene requires a minimum of 60 semester hours for admission to the degree program. No more than six semester hours may be earned through correspondence courses.

	<u>Minimum Semester Hrs.</u>
Required courses include:	
Biology (two courses, each with lab, 4 hours must be in general biology)	8
Chemistry (two courses, each with lab)	8
English (two courses in basic freshman composition, one course in literature plus an additional course in literature or humanities)	12
American Government	6
American History	6
Mathematics (one course in college mathematics, college algebra, trigonometry, calculus or statistics)	3
Introduction to Psychology	3
Introduction to Sociology	3
Speech	3
Nutrition	2-3
Electives	5

Application Procedures

- Request application materials from the Office of Admissions and Records.
- There is no deadline for applying. However, it is to the advantage of each applicant to submit all materials as early as possible.
- The following must be included with the application:
 - List of courses in progress
 - List of courses planned
 - Biographical sketch
 - Application fee
 - Photograph
 - Scores from the SAT or ACT examination
 - Transcripts from high school and all colleges attended
- An application is valid for one academic year only.
- Official transcripts are required, and will be accepted only when sent directly from each school the applicant has attended.
- Recommendations are required from a dentist or a dental hygienist, a biology or chemistry instructor and an individual who has known the applicant for some time; for example, an employer or supervisor.
- It is the responsibility of the applicant to keep the application file current. Failure to supply grades, transcripts or recommendations may be perceived as an indication that the applicant is no longer interested in admission.

Interviews

Processing of applications begins the year prior to entrance into the professional program and continues until the class is filled. The applications are evaluated and an invitation for an interview may be extended. The purpose of the interview is to determine the applicant's knowledge of the dental hygiene profession. It also provides an opportunity for the applicant to see the facility, meet with the Admissions Committee and to ask questions about the Caruth School of Dental Hygiene program.

All prospective students are encouraged to contact the College with questions regarding prerequisite courses or the program.

Bases For Acceptance

All applicants for admission will be considered without regard to race, creed, national origin, age or gender. No preference is given with regard to resident/nonresident status. Qualified handicapped persons who are capable of meeting the academic and technical standards essential to participation in the program will receive equal consideration.

The quality of the applicant's scholarship is a prime consideration. A grade point average (GPA) is computed based on all courses taken in college.

Preference for admission is given to students with:

- A cumulative GPA indicating ability to succeed in the program
- Attention given to detail when completing the application
- A comprehensive biographical sketch that includes information that will help the Admissions Committee know the applicant better. Details about the dental hygiene procedures that have been observed, a description of the community service projects in which you have participated and information concerning your interests, abilities and attitudes that have motivated you to make the commitment required for a career in dental hygiene are examples of information that might be included.

Matriculation And Registration

See page 15.

Physician's Statement

See page 15.

FEES AND EXPENSES

The tuition and fees are recommended by the Administration and approved by the Board of Trustees. Adjustments may be made as economic conditions warrant.

Admissions Deposit

An admission deposit of \$200.00 is required to reserve a place in the program upon notification of acceptance. This deposit will be applied to the first quarter tuition, but is not refundable.

Tuition

Resident and nonresident tuition are the same. Tuition is payable on an installment basis, and is due at the beginning of each quarter. The purchase of new books and instruments is required by the College. The estimated cost of the program follows:

	Junior Year	Senior Year
Tuition	\$1,800.00	\$2,400.00
Books and Supplies	1105.00	485.00
Instruments	1,200.00	50.00
Uniforms	275.00	—
Fees	225.00	360.00
Pin	—	40.00
Total	\$4,605.00	\$3335.00

Fees And Other Deposits

The policy information that appears on page 15 applies to dental hygiene students. In addition, the Hepatitis vaccination is offered by the College at a reduced cost to students treating patients. The initial cost is approximately \$120.00; the twelve-month re-test costs \$12.00.

Tuition Refund Policy

The admission deposit is not refundable. Tuition refunds are made in accordance with the following policy:

- Withdrawal prior to the end of the tenth day of class 75%
- Prior to the end of the twenty-fifth class day 25%
- After the end of the twenty-fifth class day None

Financial Assistance

Financial aid is available on the basis of financial need. Dental hygiene students may be eligible for assistance through Pell Grants, Hinson-Hazelwood

Student Loan, the American Dental Hygienists' Association Scholarship Program and the Mary Kathryn Ausmus and Mary Ellen Ausmus Dental Hygiene Scholarship.

Health Services

See page 17.

Campus Housing

Space is usually available for students who want to live in the dormitory in Wilma Bass Memorial Hall, which is operated by the Baylor University Medical Center. This building offers the advantages of modern facilities and proximity to the school. Off-campus apartments and other housing facilities are available but are not provided by the College of Dentistry. The College does not inspect nor approve listings; however, the Office of Student Affairs will offer assistance in locating accommodations.

STUDENT ACTIVITIES

Student Council

See page 18.

American Dental Hygienists' Association

All dental hygiene students join the American Dental Hygienists' Association (ADHA) as student members. The ADHA is the national professional organization of dental hygienists. Student membership in the ADHA entitles a student to receive the Association's journal, the opportunity to apply for grants and loans for assistance with educational financing and to participate in the Association's activities at local, state and national levels.

American Association of Dental Schools

Student membership in the American Association of Dental Schools is available to any student enrolled in the College. The Association represents the interests of individuals and institutions engaged in dental and allied dental education. Student members receive the Association's publications and may participate in councils, committees and sections of the Association.

POLICIES AND REGULATIONS

Caruth School of Dental Hygiene policies and regulations are formulated by the Administration for the benefit of all concerned. The Office of Academic Planning & Development, the Director of the dental hygiene program and faculty members provide

academic counseling and guidance. If problems arise, students are urged to seek early assistance. For information concerning attendance, dress code, conduct, due process, employment, change of name and transcripts and records, see page 19.

SCHOLARSHIP

Grading System

See page 20.

Review of Academic Process

See page 21.

To be eligible for unconditional promotion, a student must have earned a passing grade in all subjects, exhibit satisfactory professional conduct and performance and have earned a grade point average as follows:

- 2.00 cumulative each term
- 2.00 cumulative for graduation

A student may be permitted to repeat a maximum of six (6) quarter hours of failure, provided that these deficiencies are limited to no more than two (2) courses during an academic year. A minimum grade of "C" is required to remove each failure under these conditions. The cumulative GPA after repeating the courses, which will include the "F" grades, must equal 2.00 for unconditional promotion.

Academic Probation

Any student whose grade point average (GPA) for any quarter is below 2.00 or whose cumulative GPA is below 2.00 at the end of any quarter shall be placed on academic probation subject to the provisions of the following dismissal policies. Academic Probation will be listed on the transcript.

The following conditions apply to *all dental hygiene* students at Baylor College of Dentistry:

- (1) A student on academic probation for (3) consecutive quarters will be dismissed.
- (2) A student who earns more than (6) quarter hours of "F" during an academic year will be dismissed.
- (3) A student who fails more than two (2) courses during an academic year will be dismissed.

Other conditions that may result in repetition of an academic year or dismissal from Baylor College of Dentistry:

- a. Any student on academic probation may be considered by the Student Promotions Committee for dismissal.
- b. A student who fails a required course two (2) times may be dismissed.
- c. A student who fails any course while repeating a year may be dismissed.
- d. A student who fails more than two (2) courses during a single academic year may be dismissed.
- e. The Student Promotions Committee reserves the right to recommend repetition of the year or dismissal of a student from the College who does not maintain professional conduct, proper patient management and ethical behavior. This action can be taken regardless of grades, but only after written notice has been given to the student indicating the area(s) of deficiency with sufficient time to correct these areas.

Requirements For Graduation

A candidate for the degree of Bachelor of Science in Dental Hygiene must have fulfilled the following requirements:

- Attained the age of nineteen years
- Demonstrated evidence of satisfactory moral and professional conduct
- Satisfactorily completed all of the prescribed courses of study including an estimated 126 semester hours (189 quarter hours) in prerequisite and dental hygiene courses
- Attained the required cumulative grade point average (2.00)
- Be certified by the faculty as approved for graduation
- Be certified free of debts and obligations to the College

LICENSURE INFORMATION

National Board Examinations

The National Board Dental Hygiene Examination is prepared and conducted by the Joint Commission on National Dental Examinations. This comprehensive written examination is given immediately prior to graduation. The approximate fee for this exam is \$80.00. A passing score is required for state licensure.

Licensure Requirements

Graduation from an accredited dental hygiene program is one of the requirements for state licensure as a dental hygienist. Each state has its own dental examining board that is responsible for evaluating candidates for licensure. Written and clinical examinations are usually required. All states accept satisfactory performance on the National Board Dental Hygiene Examination in partial fulfillment of the requirement for a written examination. The state of Texas participates in the Western Regional Examination Board. The fee for this examination is approximately \$500.00.

AWARDS AND HONOR SOCIETIES

Scholastic Awards

The highest scholastic award is the Gold Medalion, which is presented at graduation to the student who has attained the highest cumulative grade point average for the two years of study.

The three top-ranking students receive certificates in recognition of scholastic achievement.

The **Phillip Earle Williams Award** is presented to the graduating dental hygiene student who, in the opinion of the dental hygiene faculty, has shown the most proficiency as a dental hygiene clinician. This award was made possible by Dr. and Mrs. Fred M. Lange of Dallas, Texas, in honor of Dr. Williams.

The **George B. Clendenin Award** is given annually to the graduating senior who, in the opinion of the student members of the American Dental Hygienists' Association, embodies the characteristics of a dental hygienist who has been and will be a credit to the profession. This award is made possible through the generosity of Patricia Clendenin Wessendorff, the first Director of Caruth School of Dental Hygiene, in memory of her father, Dr. George B. Clendenin.

Sigma Phi Alpha

This national dental hygiene honor society was founded in 1958. The Beta Chapter was established at Baylor the same year. Each year ten percent of the graduating class is elected to membership, which is awarded on the basis of scholarship, character and potential qualities for future professional growth and attainment.

CURRICULUM

Competencies

Competencies are outcomes of clinical training and experience, and represent the ability to perform or provide a particular, but complex, service or task. The nine competencies, organized by domain, define the objectives of the dental hygiene program.

I. PROFESSIONALISM

1. Ethics *The dental hygienist must be able to discern and manage the ethical issues of dental hygiene in a rapidly changing environment.*
2. Information Management and Critical Thinking *The dental hygienist must be able to acquire and synthesize informational a critical, scientific and effective manner.*
3. Professional Identity *The dental hygienist must be concerned with improving the knowledge, skills and values of the profession.*

II. HEALTH PROMOTION AND DISEASE PROMOTION

4. Self-Care Instruction *The dental hygienist must be able to provide planned educational services using appropriate interpersonal communication skills and educational strategies to promote optimal health.*
5. Community Involvement *The dental hygienist must be able to initiate and assume responsibility for health promotion and disease prevention activities for diverse populations.*

III. PATIENT CARE

6. Assessment *The dental hygienist must be able to systematically collect, analyze and accurately record baseline data on the general, oral and psychosocial health status of patient using methods consistent with medicolegal principles.*
7. Planning *The dental hygienist must be able to discuss with the patient the condition of the oral cavity, actual and potential problems identified, etiological and contributing factors and recommended and alternative treatments available.*

8. Implementation *The dental hygienist must be able to provide treatment that includes preventive and therapeutic procedures to promote and maintain oral health and assist the patient in the achievement of oral health goals.*
9. Evaluation *The dental hygienist must be able to evaluate the effectiveness of planned clinical and educational services and modify as necessary.*

The curriculum includes biomedical, dental and dental hygiene sciences, supported by didactic, laboratory and clinical instruction and practice. Courses in the curriculum are consistent with the guidelines of the Commission on Dental Accreditation to provide for cognitive, psychomotor and effective growth of the student. The curriculum of the Caruth School of Dental Hygiene is designed to correlate the basic biological sciences with the science and art of dental hygiene, and is under continuous review. The curriculum is subject to modification as the need arises, in terms of achieving and improving the stated program goals.

Summer Session

Attendance for an abbreviated summer term between the Junior and Senior years is required. Tuition is assessed at the time of summer registration.

Selectives Program

A selectives program has been implemented to allow a greater degree of diversity in the curriculum. Students enroll in one course of special interest, thus increasing the quality and variety of the curriculum. These practicum courses are designed to provide experiences in a variety of practice settings for students, in addition to those offered in the basic curriculum. The selectives courses are offered in the Spring quarter of the Senior year. Examples of courses include dental office management, education, community dental hygiene and hospital dental hygiene.

MODIFIED PROGRAM

A modified program is available for a limited number of students who are unable to attend full time. Students may have family responsibilities, need to work part-time or lack some prerequisite courses. The Junior year of the curriculum is divided over a two year period. The first part concentrates on the biomedical sciences while the second focuses on

C U R R I C U L U M

the dental and clinical sciences. The Senior year is completed as a full-time student.

Applicants to the modified program must have completed a minimum of 45 hours of prerequisite courses including all biology, chemistry and English composition courses. A plan of study to complete the remaining prerequisites must be approved by the Admissions Committee. Application procedures are the same for the modified program as for the full-time. Tuition for modified program students is approximately 60 percent of regular tuition. All fees apply for each term a student is enrolled. Instruments and uniforms are purchased in the second year of the Junior curriculum.

Junior Year

Course Number and Title	Credit Award	Clock Hours Per Week		
		Lect.	Lab.	Clinic
Fall Term				
391 Skills for Student Success	1	1	—	—
301 Fundamentals of Dental Hygiene	1	1	—	—
311 Introduction to Dentistry	1	1	—	—
318 Preclinical Dental Hygiene	+	3	2	6
322 Oral Radiology I	2	2	—	—
324 Gross Anatomy	4	4	—	—
333 Dental Anatomy	+	2	2	—
344 Health Promotion and Disease Prevention	+	2	—	—
Winter Term				
318 Preclinical Dental Hygiene (con't)	8	2	1	6
333 Dental Anatomy (con't)	3	2	2	—
344 Health Promotion and Disease Prevention (con't)	4	2	—	—
364 General and Oral Histology	4	4	—	—
321 Oral Biochemistry	1	1	—	—
345 Microbiology	+	2	2	—
*303 Theory of Dental Hygiene Practice I	+	2	—	—
382 Oral Radiography II	+	1	3	1
*355 Applied Dental Materials	+	2	2	—
384 Clinical Dental Hygiene I	+	—	—	11
Spring				
303 Theory of Dental Hygiene Practice I (con't)	3	2	—	—
382 Oral Radiography II (con't)	2	—	—	1
384 Clinical Dental Hygiene I (con't)	4	—	—	11
355 Applied Dental Materials (con't)	5	2	3	—
345 Microbiology (con't)	5	2	—	—
332 Health Education and Behavioral Science	2	2	—	—
335 Physiology	5	4	3	—
341 Pediatric Dentistry	1	1	—	—
Total 56				

* Begins seventh week of term

+ Continues following term

D E N T A L H Y G I E N E

Senior Year

Course Number and Title	Credit Award	Clock Hours Per Week		
		Lect.	Lab.	Clinic
Summer Term				
401 Oral Radiography	+	—	—	*
482 Clinical Dental Hygiene II	2	—	—	18
406 General and Oral Pathology	+	2	—	—
464 Theory of Dental Hygiene Practice II	+	4	—	—
422 Comprehensive Care Seminar	+	*	—	—
Fall Term				
401 Oral Radiography (con't)	+	—	—	*
406 General and Oral Pathology (con't)	6	4	—	—
464 Theory of Dental Hygiene Practice II (con't)	4	2	—	—
402 Pharmacology	2	2	—	—
432 Periodontics	+	1	—	—
414 Clinical Dental Hygiene III	4	—	—	15
431 Applied Nutrition	1	1	—	—
452 Public Health	2	2	—	—
422 Comprehensive Care Seminar	+	*	—	—
Winter Term				
401 Oral Radiography (con't)	+	—	—	*
412 National Board Review	2	2	—	—
432 Periodontics (con't)	2	1	—	—
462 Community Health Practicum	+	*	*	—
411 Medical Emergencies*	1	1	—	—
424 Clinical Dental Hygiene IV	4	—	—	15
472 Research Methods	2	2	—	—
441 Gerontology	1	1	—	—
481 Pain and Anxiety Control	1	1	—	—
422 Comprehensive Care Seminar	+	*	—	—
442 Applied Research Methods	+	*	—	—
492 Conscious Sedation	2	1.5	1	—
Spring Term				
401 Oral Radiography (con't)	1	—	—	*
462 Community Health Practicum (con't)	2	—	—	3(field)
491 Health Administration and Management	1	1	—	—
434 Clinical Dental Hygiene V	4	—	—	15
451 Dental Hygiene Education	1	1	—	—
461 Legal Issues in Dental Hygiene	1	1	—	—
422 Comprehensive Care Seminar	2	*	—	—
442 Applied Research Methods	2	*	*	—
Selective Courses	1	*	—	—
Total 51				

* meets by arrangement of course director

+ Continues following term

* combined with dental course #8160 in 1994-95 school year

COURSE DESCRIPTIONS

- 301 FUNDAMENTALS OF DENTAL HYGIENE/ Introduction to the profession of dental hygiene. Includes the history of the profession, ethics, role delineation and basic medical terminology.
- 303 THEORY OF DENTAL HYGIENE PRACTICE I/ Emphasis on advanced dental hygiene skills and services; provision of services to medically compromised patients.
- 311 INTRODUCTION TO DENTISTRY/ Introduction to the profession of dentistry and the specialty fields. Emphasis is on the role of the dental hygienist in each area.
- 318 PRECLINICAL DENTAL HYGIENE/ Development of fundamental knowledge, skills and manual dexterity needed to perform basic dental hygiene services; lecture, laboratory and preclinical practice.
- 321 ORAL BIOCHEMISTRY/ Biochemistry of human oral and general body tissues; energy and nutrient requirements; enzyme roles in metabolism.
- 322 ORAL RADIOLOGY I/ Principles of radiation; generation, properties and techniques for use of x-radiation in dentistry.
- 324 GROSS ANATOMY/ General survey of human systemic anatomy; emphasis on regional anatomy of head and neck; laboratory using dissected material, models and videotapes.
- 332 HEALTH EDUCATION AND BEHAVIORAL SCIENCE/ Health education and promotion; emphasis on assessing the educational needs of patients, planning and implementing individualized educational plans and evaluating the outcomes; characteristics of various patient populations; techniques of patient management; strategies for effecting behavioral changes.
- 333 DENTAL ANATOMY/ Form and function of the primary and permanent human dentition; laboratory emphasis on root morphology; identification of extracted teeth.
- 335 PHYSIOLOGY/ Organ systems and their relation to the normal functioning of the human body.
- 341 PEDIATRIC DENTISTRY/ Child development as the basis for management of behavior in the dental environment.
- 344 HEALTH PROMOTION AND DISEASE PREVENTION/ Prevalence and etiology of oral diseases; emphasis on the role of the dental hygienist in prevention of periodontal disease and dental caries; methods for prevention of oral cancer, traumatic injury, systemic disease and malocclusion; occupational hazards.
- 345 MICROBIOLOGY/ Relationships between microorganisms and the human in health and disease; microbiology of the oral cavity.
- 355 APPLIED DENTAL MATERIALS/ Didactic and laboratory instruction in the principles of the science of dental materials and in procedures within the scope of dental hygiene practice.
- 364 GENERAL AND ORAL HISTOLOGY/ Microscopic structure of human cells, tissues and organ systems; embryology and histology of the face, dental and supporting oral tissues.
- 382 ORAL RADIOLOGY II/ Radiation safety, health physics, interpretive recognition techniques and clinical patient management for use of x-radiation in dentistry.
- 384 CLINICAL DENTAL HYGIENE I/ Application of dental hygiene principles and techniques to patient care.
- 391 SKILLS FOR STUDENT SUCCESS/ Provides an opportunity to learn and adopt methods to promote success in school and throughout life. Topics include such academic skills as class preparation, reading, note-taking and test-taking. Life management skills include assuming responsibility for learning, focusing attention, time management, health promotion, stress management and changing habits through goal setting.
- 401 ORAL RADIOGRAPHY/ Advanced clinical application of principles, procedures and techniques of oral radiology.
- 402 PHARMACOLOGY/ Actions, indications and contraindications of drugs; emphasis on drugs frequently encountered in dentistry.

D E N T A L H Y G I E N E

- 406 GENERAL AND ORAL PATHOLOGY/ Principles of disease processes; histopathology of common diseases; pathological conditions of teeth and supporting structures; oral signs of systemic disease.
- 411 MEDICAL EMERGENCIES/ Discussions on the preparations for handling emergencies; prevention, recognition, and management of various emergencies. The course will include case scenario presentations and mock "hands-on" drills. A valid CPR card is a prerequisite.
- 412 NATIONAL BOARD REVIEW/ Reviews of previous course content using a seminar format in preparation for the National Board Dental Hygiene Exam.
- 414 CLINICAL DENTAL HYGIENE II, III, IV, V
424 Comprehensive dental hygiene care
434 through clinical application of procedures;
482 intramural (dental school) and extramural site rotations.
- 422 COMPREHENSIVE CARE SEMINAR/ Activities designed to integrate dental hygiene care with total patient care; includes a case presentation.
- 431 APPLIED NUTRITION/ Components of a nutritionally adequate diet; techniques of diet counseling for the dental patient; assessment of nutrition; diet analysis; food fads; therapeutic diets; nontraditional diets.
- 432 PERIODONTICS/ Characteristics, etiology and treatment of inflammatory and degenerative diseases of the supporting tissues of the teeth; emphasis on the relationship of periodontics to the practice of dental hygiene.
- 441 GERONTOLOGY/ Specific needs of older adults; strategies for meeting needs; attitudes of health care providers toward geriatric patients; influence of attitudes on provision of care.
- 442 APPLIED RESEARCH METHODS/ Practical experience in applying principles of research methodology; includes preparation of a formal proposal under mentorship of individual faculty.
- 451 DENTAL HYGIENE EDUCATION: METHODS AND TECHNIQUES OF TEACHING/ Basic teaching concepts; educational psychology; test construction; student counseling; clinic evaluation.
- 452 PUBLIC HEALTH/ Disease control; health care needs and utilization; governmental assistance; fund raising; insurance coverage in health care delivery systems; emphasis on needs assessment and planning.
- 461 LEGAL ISSUES IN DENTAL HYGIENE/ Jurisprudence; statutory and common law relating to dental hygiene practice.
- 462 COMMUNITY HEALTH PRACTICUM/ Planning, implementation and evaluation of programs to fulfill oral health needs of community groups; includes an independent field experience.
- 464 THEORY OF DENTAL HYGIENE PRACTICE II/ Advanced clinical skills; management of patients with special needs.
- 472 RESEARCH METHODS/ Identification of research problems and variables; sampling; research design; statistical testing of data; critical review of dental literature.
- 481 PAIN & ANXIETY CONTROL/ Regional pain control; pre-anesthetic evaluation of patients, techniques of administration, pharmacology and management of complications after administration of local anesthetics.
- 491 HEALTH ADMINISTRATION AND MANAGEMENT/ Human relations; management of a dental practice; emphasis on the dental team concept.
- 492 CONSCIOUS SEDATION AND LOCAL ANESTHESIA/ Pharmacological techniques of conscious sedation; nitrous oxide and local anesthesia administration.
- 411S DENTAL OFFICE MANAGEMENT PRACTICUM/ Observation of management systems used in dental practices.
- 421S DENTAL HYGIENE EDUCATION PRACTICUM/ Application of educational concepts to actual teaching situations.
- 431S HOSPITAL-BASED PRACTICUM/ Experience in hospital or institutional settings.
- 441S COMMUNITY DENTAL HYGIENE PRACTICUM/ Experience in community settings; emphasis on public health dental hygiene at both the local and state levels.



The mission of the advanced education programs at Baylor College of Dentistry is to provide an educational experience that emphasizes the development of a strong basic science background coupled with advanced diagnostic and clinical competence; to develop a highly skilled specialist with the analytical, clinical, and management abilities necessary to provide optimum oral health care; and to produce a graduate who will have the ability to critically evaluate research literature as well as have the inquiring attitude necessary to pursue advancement in the practice, research and/or teaching of specialized oral health care.

GRADUATE AND POSTGRADUATE PROGRAMS

Students enrolled in the advanced education programs may qualify for and be awarded a certificate of advanced training in a clinical field, a Master of Science degree in Oral Biology, a Master of Science degree in Biomedical Sciences or a Doctorate in Craniofacial Biology. The Graduate Faculty Council of Baylor University joins Baylor College of Dentistry in maintaining the traditional concepts in advanced education by providing broad multidisciplinary monitoring of the programs. All members of the College of Dentistry Graduate Faculty have fulfilled the qualifications adopted by the Baylor University Graduate Faculty Council to ensure scholarly competence. Policies and regulations affecting entrance requirements, graduate curricula, and requirements leading to graduate credits, certification, and degrees are formulated by the Graduate Faculty Councils. The Master of Science degrees and Doctorate are awarded by Baylor University. The Certificate is awarded by Baylor College of Dentistry. Policies and regulations stated in the Graduate Bulletin of Baylor University, Waco, Texas, are followed by Baylor College of Dentistry.

GRADUATE AND POSTGRADUATE PROGRAMS**Certificate**

The Certificate programs consist of a sequence of advanced lecture courses, correlative clinical instruction, seminars, cognate courses, core curriculum of concentrated study, and electives for the dentist seeking specialty training and board eligibility requirements. These programs are designed to permit a greater concentration in the area of clinical experience than those leading to a degree. The Advanced Education in General Dentistry program is one year in length and requires at least 46 quarter hours credit. Other certificate programs require a minimum of two to four calendar years and satisfactory completion of the minimum quarter hours listed for each individual program. The certificate programs are approved by the Texas Education Agency so that G.I. benefits may be used by eligible students. Affiliated hospitals include Baylor University Medical Center, Children's Medical Center Dallas, Denton State School, Humana Hospital Medical City Dallas, Parkland Memorial Hospital, Texas Scottish Rite Hospital for Crippled Children, University of Texas Southwestern Medical Center and Veterans Administration Medical Center. Departments and dental specialty areas offering the Certificate are: Advanced Education in General Dentistry, Endodontics, Oral and

Maxillofacial Surgery, Orthodontics, Pediatric Dentistry, Periodontics, and Prosthodontics.

General Practice Fellowship (GPF)

Baylor College of Dentistry offers a General Practice Fellowship for selected licensed graduates who wish an additional year of training in general dentistry prior to entering practice. This innovative project combines selected didactic activities from the on-campus program in Advanced Education in General Dentistry (AEGD) with a residency in a private practice. The Fellow gains experience in managing a private practice and perfects professional and clinical skills in an office-based setting.

In addition to private practice activities, Fellows receive classroom instruction, demonstrations, and participation courses at Baylor College of Dentistry. They contribute one-half day per week to charitable community activities, and participate in the local dental society.

The relationship among preceptors, fellows, and the College is contractually similar to typical dentist/associate agreements. Fellows earn an income from treating patients while participating in the program.

Master Of Science (M.S.) In Oral Biology

Programs leading to the M.S. degree in Oral Biology are designed to extend the dentist's competence in both general and special areas of clinical practice as well as to develop research and/or teaching capabilities. A minimum of 27-36 months is required and emphasis is placed on advanced theory and practice in clinical disciplines. The mentor of the thesis research project must be from the major graduate field of study. The M.S. in Oral Biology is offered in the following graduate fields of study: Biomaterials Science, Endodontics, Orthodontics, Pediatric Dentistry, Periodontics, and Prosthodontics.

Master Of Science (M.S.) In Biomedical Sciences

Programs leading to the M.S. degree in Biomedical Sciences are designed to prepare predoctoral students possessing a Bachelor of Science (B.S.) degree or its equivalent for a career in teaching and/or research or to provide the background for a more advanced degree. These programs are also available to postdoctoral students possessing a dental degree. A minimum of two calendar years (45 quarter hours with thesis) is required. The M.S. degree in Biomedical Sciences is offered in the Department of Biomedical Sciences with

GRADUATE AND POSTGRADUATE PROGRAMS

multiple areas of concentration (see Program Objectives).

Doctorate (Ph.D.) in Craniofacial Biology

This program leading to a Ph.D. in Craniofacial Biology is available for advanced students with an interest in academic research careers in the oral health sciences. The Ph.D. degree in Craniofacial Biology is administered through the Department of Biomedical Sciences. However, it is multidisciplinary in that students may take graduate level courses in other departments at the College and at other Dallas area institutions of higher education, e.g., The University of Texas Southwestern Graduate School of Biomedical Sciences and The University of Texas at Dallas. A minimum of three calendar years (with dissertation) is required.

ADMISSIONS REQUIREMENTS**Certificate And M.S. Degree In Oral Biology**

- Doctor of Dental Surgery (D.D.S.) or Doctor of Dental Medicine (D.M.D.) degree from a fully accredited institution
- Minimum total grade point average of 2.70 (0 to 4 point system) and a record of study and experience which is predictive of success in advanced education
- Except for international applicants, acceptable scores on the National Board Examinations
- Acceptable scores on the Graduate Record Examination (GRE) are required for the M.S. degree and are required of all international applicants (except Advanced Education in General Dentistry)
- A minimum score of 550 on the Test of English as a Foreign Language (TOEFL) and fluency in the English language are required of all international applicants from non-English-speaking countries.
- Approval for admission from the departmental admissions committee and the Associate Dean for Research and Advanced Education

M.S. Degree In Biomedical Sciences

- A B.S. degree or its equivalent in the biological sciences from a fully accredited institution or a D.D.S. or D.M.D. degree from a fully accredited institution

- Minimum total grade point average of 2.70 (0 to 4 point system) and a record of study and experience which is predictive of success in advanced education
- Acceptable scores on the Graduate Record Examination (GRE)
- A minimum score of 550 on the Test of English as a Foreign Language (TOEFL) and fluency in the English language are required of all international applicants
- Approval for admission from the departmental admissions committee and the Associate Dean for Research and Advanced Education.

Application Procedures

Obtain application material from the Research and Advanced Education Office or the major department and return it to the Office of Admissions and Records when completed. Application deadlines follow:

- Applications for the Ph.D. in Craniofacial Biology are accepted throughout the year. However, students interested in pursuing a combined graduate degree (a clinical specialty and a Ph.D.) are encouraged to apply for both programs at the appropriate deadline indicated for the clinical program.
 - Applications for the M.S. in Biomedical Sciences are accepted throughout the year
 - Advanced Education in General Dentistry - November 15 of the year prior to expected date of admission
 - Endodontics - October 1 of the year prior to expected date of admission
 - Oral and Maxillofacial Surgery - September 15 of the year prior to expected date of admission
- The department utilizes the Matching Program developed by the American Association of Oral and Maxillofacial Surgeons (AAOMS) in the selection of the first-year residency students
- Orthodontics - September 15 of the year prior to expected date of admission
 - Pediatric Dentistry - November 1 of the year prior to expected date of admission
 - Periodontics - November 1 of the year prior to expected date of admission

GRADUATE AND POSTGRADUATE PROGRAMS

The department utilizes the Postdoctoral Dental Matching Program sponsored by the American Academy of Periodontology in the selection of the first-year residency students.

- Prosthodontics - November 1 of the year prior to expected date of admission

An application fee must accompany the completed application. Applications are valid for one year only. The reapplication fee must accompany subsequent applications. International applicants must submit the application fee in the form of a money order drawn on a U.S. bank.

In addition, the following items must be received directly by the Office of Admissions and Records before an application is considered complete:

- Two official transcripts must be sent from each college the applicant has attended
- International applicants must have transcripts evaluated (detailed report) by Educational Credentials Evaluators, Post Office Box #17499, Milwaukee, Wisconsin 53217
- Three completed reference forms must be mailed directly to the Office of Admissions and Records at Baylor College of Dentistry
- A letter from the dean of the dental school certifying the applicant's grade point average and class standing
- National Board Examinations scores
- Test of English as a Foreign Language (TOEFL) score

After appropriate decisions have been made, the applicant will be notified by the Associate Dean for Research and Advanced Education.

FEES AND EXPENSES

Application Fee (nonrefundable)	\$25.00
Application Renewal Fee (nonrefundable)	10.00
Deposit required for all M.S. and Certificate students accepted (applies toward first-quarter tuition, nonrefundable)	500.00
Tuition (may be adjusted as economic conditions warrant)	
The Degree and Certificate programs, per quarter hour	80.00
Matriculation Fee	25.00

Audit Fee, per quarter hour	35.00
Late Registration Fee:	
1st week	25.00

An additional late fee of \$10.00 is assessed for each week or portion thereof up to 30 days from the day classes begin. The student is automatically suspended from school if the tuition and fees have not been paid by 30 days after classes begin.

Changes of course after initial registration	5.00
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Graduation Fee (This fee is charged to cover the cost of hood, cap and gown rental, diploma and other expenses attendant to graduation)	40.00
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Tuition Refund Policy

Money applied to tuition and fees from the admission deposit is not refundable.

Withdrawal prior to the end of the tenth class day	75%
Prior to the end of the twenty-fifth class day	25%
After the end of the twenty-fifth class day	None

Financial Assistance

Assistantships/Stipends A limited number of teaching and research assistantships are available for qualified students. Stipends vary with the nature of the service and the amount of time required from the student. Information may be secured from the major department.

Fellowships Several research fellowships are available on the predoctoral level. Information concerning stipends and allowances may be obtained from the chairman of the major department.

Loans Information regarding applications for loans may be obtained from the Student Aid Office, Baylor College of Dentistry.

GRADING SYSTEM

Grade	Num. Range	Grd. Pts.
A	93 - 100	4
B +	90 - 92	3.5
B	84 - 89	3
C +	81 - 83	2.5
C	75 - 80	2
D	70 - 74	1
F	69 & BELOW	0

Academic Progress Policies

No student has a constitutional right to attend Baylor College of Dentistry irrespective of academic performance. Failure to achieve and maintain a prescribed scholastic requirement is a justifiable cause for dismissal.

The academic review procedure at Baylor College of Dentistry involves faculty evaluation of both cognitive and noncognitive performance in specific courses and assignment of grades. Noncognitive performance includes, but is not limited to, technical and interpersonal skills, attitudes, and professional character. To appeal a course grade, a student may present in writing to the Associate Dean for Research and Advanced Education a request for review of a final course grade if a conference with the faculty and the chairman of the course department does not resolve the question. The Associate Dean will consider the appeal and may refer it to the Advanced Education Council.

The Advanced Education Council reviews the progress of the student in his or her advanced education program. The Council will decide if satisfactory progress is being made, whether remedial work is needed, or whether the student should be dismissed. Before a final decision is reached about either remedial work or dismissal, the student may request to appear before the Council. The student may appeal the Council's decision to the President and Dean. The appeal must be in writing and specifically state the reason for the appeal and what action by the President and Dean is sought. The decision of the President and Dean is final.

Passing grades for graduate and postgraduate students are A (93-100), B (84-92), and C (75-83). Graduate and postgraduate students are expected to maintain a cumulative grade point average of 3.0 (B) or greater. Failure to do so or receipt of a final grade in any course of D, F, or WF is sufficient cause for dismissal.

The grade of I (Incomplete) may be given only when the completed portion of work in the course is of passing quality. Students may not register in a course in which they have a grade of I other than Research for the Master's Thesis (5V98), Thesis (5V99), or Special Problems (5V41-44). Students who receive one or more incomplete grades during a quarter may have their schedule for the following quarter reduced by the number of hours of I received.

Students who are admitted to a graduate or postgraduate program on academic probation must maintain a B average during the first fifteen (15) quarter hours of graduate work in courses numbered 5000 or above. Students are automatically removed from academic probation upon completion of the first fifteen (15) quarter hours of graduate-level course work if a B average is achieved.

Any unconditionally admitted students who fail to maintain a B average with all grades in the range of C to A during any quarter of the graduation course of study will be placed on academic probation for the next twelve (12) quarter hours of residence course work or until all residence work is completed, whichever occurs first. During the probationary period, students must restore the cumulative grade point average to 3.0 (B).

CURRICULUM**Core Curriculum**

The core curriculum is a demanding academic requirement consisting of intensive study in the basic and related sciences. M.S. candidates are required to take eight of the available courses, and Certificate students must take six.

BMS 5210	Advanced Human Craniofacial Development and Growth
BMS 5214	Advanced Oral Histology
CS 5V01	Advanced Oral Pathology
BMS 5303	Applied Medical Physiology
CS 5222	Biostatistics
PHA 5214	Clinical Pharmacology
CS 5218	Conscious Sedation
BMS 5V33	Head and Neck Anatomy
BMS 5211	Immunology I
CS 5221	Internal Medicine
BMS 5V03	Oral Microbiology

GRADUATE AND POSTGRADUATE PROGRAMS

- CS 5250 Oral Radiology
- CS 5233 Physical Diagnosis
- CS 5291 Human Behavior in Dentistry
- CS 5470 Research Methodology
- CS 5214 Scientific Writing

Core Studies (CS)

Core studies present information beyond that available in the traditional College disciplines. Since they are of value to students from every department, they are included in the Core Curriculum. The instructors for these courses may be faculty members of the College teaching departments or guest lecturers with expertise in a specific area.

COURSE DESCRIPTIONS

- 5214 SCIENTIFIC WRITING/Writing style and mechanics to improve proficiency in preparation of technical papers and theses.
- 5218 CONSCIOUS SEDATION/Pain and anxiety control methodologies; pharmacology of sedative-hypnotic, anxiolytic drugs, and nitrous oxide; routes of administration.
- 5221 INTERNAL MEDICINE/Oral manifestations of systemic disease; problems in internal medicine and diagnosis.
- 5222 BIostatISTICS/Statistical methods for biomedical scientists; selection of methods appropriate for experiment design and data interpretation.
- 5233 PHYSICAL DIAGNOSIS/Patient examination, history-taking, and physical diagnosis in hospitalized patients.

- 5250 ORAL RADIOLOGY/Generation of x-rays; operation of x-ray unit; factors in the production of radiographic images, intraoral, extraoral, and specialized radiographic techniques; basic concepts of radiation physics, biology, and protection.
- 5291 HUMAN BEHAVIOR IN DENTISTRY/Behavioral and psychological principles applied to dental practice; interpersonal communication techniques related to the doctor-patient relationship, discussion of patient satisfaction and compliance with preventive or treatment regimens; etiology, recognition, and behavioral management of dental pain and anxiety; consideration of both emotionally normal and psychopathologic patients; employee selection and management; research in patient satisfaction and marketing; current ethical issues in dentistry; seminar format.
- 5470 RESEARCH METHODOLOGY/The process of research, ranging from initiation of research projects to presentation of findings; traditional and innovative approaches to oral health research.
- 5V01 ADVANCED ORAL PATHOLOGY/Diseases of the head and neck; developmental malformations, oral signs of systemic diseases, salivary gland disorders; neoplasms of odontogenic and non-odontogenic origin; four quarter hours credit plus one additional hour for optional laboratory.

BIOMATERIALS SCIENCE

Professor Toru Okabe,
Chair, Program Director
 Associate Professor Marker
 Assistant Professor Nakajima

Graduate Program (M.S. with Thesis):
 45 quarter hours minimum
 24 months minimum
 Starting date: Fall Quarter

COURSE DESCRIPTIONS

5150 TEACHING BIOMATERIALS SCIENCE/ Instructional methods and teaching aids for the teaching of Biomaterials Science to dental auxiliary students, predoctoral dental students and postdoctoral dental students.
Marker 1 qtr. hr.

5201 SCIENCE OF MATERIALS - METALS/Fundamentals of metals; microstructure development in metals; influence of microstructure on the chemical, physical and mechanical properties of metals; equilibrium and nonequilibrium phase transformations in metals; processing metals into components; ferrous and non-ferrous alloys; metal composites.
Okabe 2 qtr. hrs.

5202 SCIENCE OF MATERIALS - POLYMERS/Fundamentals of polymers; formation of polymer structure; variation in structure; properties of thermoplastic polymers; properties of thermosetting polymers; special polymer products; processing polymers; polymer composites.
Marker 2 qtr. hrs.

5203 SCIENCE OF MATERIALS-CERAMICS/Fundamentals of ceramics; coordination number; interstitial sites; solid solutions; transformations; defect structures and lattice vacancies; silica and silicate structures; advanced ceramics; fracture toughness; high-temperature applications; processing of ceramics.
Nakajima 2 qtr. hrs.

5204 FUNDAMENTALS OF MATERIALS SCIENCE/Atomic structure and bonding; crystalline and noncrystalline glass struc-

tures; effects of stress on structure; effects of temperature on structure and mechanical properties; control of structure under equilibrium conditions (phase diagrams); control of non-equilibrium structures; overview of synthetic composite materials.

Okabe 2 qtr. hrs.

5206 ADVANCED BIOMATERIALS SCIENCE - METALS AND ALLOYS/Properties and applications of metals and alloys in dentistry; dental amalgam, direct gold, cast and wrought noble and base metal alloys; casting, soldering, brazing, and welding dental alloys; ceramic-metal systems; metals for implant dentistry, endodontic, orthodontic, and surgical instruments and appliances; powder metallurgy in dentistry; non-cast metal-ceramic systems.
Okabe 2 qtr. hrs.

5207 ADVANCED BIOMATERIALS SCIENCE-POLYMERS AND COMPOSITE RESINS/ Properties and applications of polymers and composite resins in dentistry; polymers for denture bases, relines, and teeth; elastomeric impression materials; composite resin direct restorative materials, silicones, polyurethanes, and acrylics for maxillofacial prosthetics; dentin bonding agents; resin cements; glass ionomers.
Marker 2 qtr. hrs.

5208 ADVANCED BIOMATERIALS SCIENCE - CERAMICS AND GLASSES/Properties and applications of ceramics and glasses in dentistry; ceramics for inlays, onlays, crowns, and denture teeth; castable glass and hydroxyapatite restorative materials; ceramic die materials; high-strength ceramics; casting and machining glass-ceramics; ceramics for implants.
Nakajima 2 qtr. hrs.

5211 STANDARDS FOR MATERIALS TESTING/ American Dental Association acceptance and certification program; ISO, ANSI, and ASTM standards; ADA specifications; procedure for introducing dental materials into the American market; laboratory experience in testing materials according to ADA specifications.
Marker 2 qtr. hrs.

5215 MATERIALS CHARACTERIZATION/Analysis of polymers, ceramics, metals, and

- composites using modern materials characterization techniques; molecular spectroscopy; mass spectrometry; chromatography; chemical analysis, electrochemistry, and atomic spectroscopy; X-ray analysis; microscopy; surface analysis; thermal analysis; viscosity and molecular weight of polymers; physical properties of particles and polymers; physical testing.
Okabe 2 qtr. hrs.
- 5220 MATHEMATICS FOR MATERIALS STUDY/
 Review of algebra, trigonometry, and analytic geometry; overview of differential and integral calculus; series expansions; basics of elementary differential equations; visual display of quantitative data; polynomial regression and curve fitting.
Staff 2 qtr. hrs.
- 5221 MECHANICAL BEHAVIOR OF MATERIALS/
 Elastic behavior; dislocation; plastic deformation in single and polycrystalline materials; strengthening of crystalline materials; high-temperature deformation of crystalline materials; permanent deformation of noncrystalline materials; tensile fracture at low temperature; fracture and fatigue of materials; embrittlement; mechanics of synthetic composite materials.
Staff 2 qtr. hrs.
- 5227 COLOR THEORY FOR DENTISTRY/
 Principles of optical properties of materials, applications of color theory in dentistry; color systems, spectral energy distribution, color modifiers, metamerism, colorants, simultaneous contrast, shade matching, and porcelain staining.
Marker 2 qtr. hrs.
- 5230 ENVIRONMENTAL EFFECTS ON MATERIALS/
 Principles of *in vivo* and *in vitro* degradation of materials through chemical, physical, and biological processes, chemical principles of corrosion oxidation and radiation; corrosion phenomena; corrosive environments; corrosion of ceramics and plastics; radiation damage analysis and prevention of failure; experimental methods for examining failed parts.
Okabe 2 qtr. hrs.
- 5240 BIOCOMPATIBILITY OF MATERIALS/
 Biocompatibility testing principles and methods; interactions between restorative dental materials and the oral environment; interaction between dental implant materials and surrounding tissue; local, topical, and systemic toxicology of dental materials, vapors, and particulates.
Marker 2 qtr. hrs.
- 5260 SPECIAL PROBLEMS IN BIOMATERIALS SCIENCE/
 Selection of dental materials; topics of individual interest to the student; literature review; development of research protocol; master's thesis proposal.
Staff 2 qtr. hrs.
- 5V98 RESEARCH FOR THE MASTER'S THESIS/
 Conduct original experimental research in chosen topic; data analysis.
Staff Max. 5 qtr. hrs.
- 5V99 THESIS/
 Formal presentation of research literature review, objectives, experimental methods, data analysis, results, discussion, and conclusions in acceptable written form.
Staff Max. 5 qtr. hrs.

BIOMEDICAL SCIENCES

Professor David S. Carlson, *Chair,
 Program Director*

Professors Bellinger, Berry, Dill, Frazier,
 Kolstad, E. Miller, A. Taylor

Associate Professors Babler, Bowles,
 Dechow, Hinton, Hutchins,
 F. Williams, Wong

Assistant Professors Iacopino, McIntosh

Adjunct Professors Ashman, Blanton,
 German, Vanatta

Adjunct Associate Professors E. Ellis,
 Throckmorton, Wiggs

Adjunct Assistant Professor Newman

Associated Faculty

Pharmacology M.S. Program. T. Gage and S. Taylor (Oral & Maxillofacial Surgery and Pharmacological Sciences)

Craniofacial Biology Ph.D. Program. R. Ceen, R. Sachdeva, and P. Buschang (Orthodontics); R.G. Triplett, and E. Schneiderman (Oral and Maxillofacial Surgery); N.S. Seale (Pediatric Dentistry); I. Al-Hashimi (Periodontics); P. Cohen and I. Guo (Public Health Sciences)

Master of Science (M.S.) in Biomedical Sciences

45 quarter hours minimum
 Master's Thesis
 24 months minimum
 Starting date: Fall Quarter desirable

Program Objectives

The M.S. Program in Biomedical Sciences is available for students with a baccalaureate degree in the biological sciences. Students with a dental degree and students enrolled in a specialty clinical program at Baylor College of Dentistry are also eligible to apply for the M.S. Program in Biomedical Sciences.

For students with a B.A./B.S. degree only, the primary objective of the M.S. program is to provide training in basic biomedical sciences and modern research methods for qualified individuals who wish to enhance opportunities for careers as:

- Educators in secondary schools and junior colleges

- Technicians in modern biological laboratories. For students with a D.D.S. degree, whether or not they are enrolled concomitantly in a clinical specialty program, the primary objective of the M.S. program is to provide additional training in basic biomedical sciences and modern research methods in order to:

- Provide students with the basic information and tools for critical analysis of the literature necessary for them to be lifelong learners in the oral health sciences
- Prepare students for faculty positions in departments of clinical dentistry.

The curriculum of the Master's Program in Biomedical Sciences includes selection of four or more core courses from the broad range of biomedical sciences (anatomy, biochemistry, immunology, microbiology, molecular biology, neuroscience, physiology), elective courses in an area of concentration, and completion of a Master's thesis. Areas of possible concentration include:

- Craniofacial biology
- Microbiology/immunology
- Molecular and cellular biology
- Neuroscience
- Pharmacology/physiology

Doctorate (Ph.D.) in Craniofacial Biology

81 quarter hours minimum for students with a D.D.S.
 Doctoral Dissertation
 36 months minimum
 Starting date: Fall Quarter desirable

Program Objectives

The Ph.D. Program in Craniofacial Biology is available for advanced students who have either a baccalaureate degree with a science concentration or a D.D.S./D.M.D. degree and who are interested in academic and research careers in the oral health sciences. Preference will be given to students who also have a Master's degree or certificate in a clinical specialty, or who are currently enrolled in such a program at Baylor College of Dentistry.

COURSE DESCRIPTIONS

5140 SEMINAR/Reading and discussion of current literature; presentation of papers on selected topics; required for all students.
Staff *1 qtr. hr.*

GRADUATE AND POSTGRADUATE PROGRAMS

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| <p>5147 GRADUATE SEMINAR/Topics of current interest. <i>Prerequisite:</i> permission of department.
<i>Staff</i> 1 qtr. hr.</p> <p>5201 GENERAL MICROBIOLOGY/Basic microbiology, immunology, taxonomy, and microbial physiology.
<i>Berry, Staff</i> 2 qtr. hrs.</p> <p>5206 FETAL ANATOMY/<i>Prerequisites:</i> Gross Anatomy I 5501 and Gross Anatomy II 5502. Dissections, demonstrations, and discussions of fetal anatomy.
<i>Babler</i> 2 qtr. hrs.</p> <p>5210 ADVANCED HUMAN CRANIOFACIAL DEVELOPMENT AND GROWTH/Processes involved in the development, growth, and adaptation of the craniofacial region; both prenatal and postnatal development and growth are considered, with emphasis on postnatal events; impact of orofacial function on growth; unique properties of the cartilages, skeletal structure, and musculature of the craniofacial region.
<i>Carlson</i> 2 qtr. hrs.</p> <p>5211 IMMUNOLOGY I/Study of immune reactions; lectures and demonstrations.
<i>Newman</i> 2 qtr. hrs.</p> <p>5212 IMMUNOLOGY II/Application of immunology in clinical and laboratory diagnosis; mechanisms of immunologic disorders.
<i>Newman</i> 2 qtr. hrs.</p> <p>5213 ORAL HISTOLOGY AND EMBRYOLOGY/Origin and development of the dental tissues and related structures; current publications and research reports are used to provide students with an opportunity to investigate a topic of current or anticipated future interest in practice.
<i>McIntosh, Staff</i> 2 qtr. hrs.</p> <p>5214 ADVANCED ORAL HISTOLOGY/Processes of epithelial-mesenchymal interaction related to odontogenesis, amelogenesis, dentinogenesis, collagen formation, intracellular and extracellular calcium homeostasis, plaque and calculus, and wound healing; emphasis on ultrastructure of the involved cells and tissues; clinical correlations.
<i>Iacopino, Staff</i> 2 qtr. hrs.</p> | <p>5224 HISTOCHEMISTRY/Principal methods (including immunocytochemical techniques) of cytologic localization of enzymes and other biologically important substances.
<i>Taylor</i> 2 qtr. hrs.</p> <p>5251 PRENATAL CRANIOFACIAL GROWTH & DEVELOPMENT I/Normal prenatal growth and development with emphasis on the craniofacial region.
<i>Babler</i> 2 qtr. hrs.</p> <p>5252 PRENATAL CRANIOFACIAL GROWTH & DEVELOPMENT II/Overview of the mechanisms by which normal and abnormal embryonic and fetal development occur, focusing primarily on the craniofacial region.
<i>Babler</i> 2 qtr. hrs.</p> <p>5260 CURRENT ISSUES IN CRANIOFACIAL BIOLOGY AND BIOMEDICAL SCIENCES I/ Guest lectures, workshops and discussion on topics in the development, growth and function of the craniofacial complex and also broad issues of general interest in biomedical science.
<i>Staff</i> 2 qtr. hrs.</p> <p>5261 CURRENT ISSUES IN CRANIOFACIAL BIOLOGY AND BIOMEDICAL SCIENCES II/ Guest lectures, workshops and discussion on topics in the development, growth and function of the craniofacial complex and also broad issues of general interest in biomedical science.
<i>Staff</i> 2 qtr. hrs.</p> <p>5262 CURRENT ISSUES IN CRANIOFACIAL BIOLOGY AND BIOMEDICAL SCIENCES III/ Guest lectures, workshops and discussion on topics in the development, growth and function of the craniofacial complex and also broad issues of general interest in biomedical science.
<i>Staff</i> 2 qtr. hrs.</p> <p>5263 TEACHING SKILLS FOR HEALTH PROFESSIONS EDUCATORS/Overview of teaching principles and methods geared toward the special needs of the health profession educator.
<i>Cohen</i> 2 qtr. hrs.</p> <p>5265 CELLULAR & MOLECULAR BIOLOGY/A general survey intended to provide basic background information concerning the methods and theory of modern cellular/</p> |
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GRADUATE AND POSTGRADUATE PROGRAMS

molecular biology. This lays the groundwork for more advanced study, aids those interested in incorporating cellular/molecular approaches into their research work, and enables one to read, understand and evaluate current scientific literature. *Prerequisites:* BMS 5201 or BMS 5323,5324 or equivalent.

Iacopino, Staff 2 qtr. hrs.

5303 APPLIED MEDICAL PHYSIOLOGY/Cardiovascular, respiratory and renal systems; clinically relevant, abnormal physiology. *Prerequisite:* Mammalian Physiology 5804 or equivalent.

Frazier, Staff 3 qtr. hrs.

5320 SCANNING ELECTRON MICROSCOPY AND ASSOCIATED TECHNIQUES/Principles and methods of scanning electron microscopy, tissue preparation, critical point drying, freeze drying, specimen coating, photography, X-ray microprobe analysis, and fundamentals of microscope maintenance.

Staff 3 qtr.hrs.

5322 TRANSMISSION ELECTRON MICROSCOPY AND ASSOCIATED TECHNIQUES/Principles and methods associated with transmission electron microscopy, tissue fixation, dehydration, embedding, sectioning, and staining; use and routine maintenance of the transmission electron microscope.

Staff 3 qtr.hrs.

5323 GENERAL BIOCHEMISTRY I/Chemistry, function, and occurrence of the principal organic materials in the human, enzymology; carbohydrate and lipid metabolism.

Miller, Staff 3 qtr.hrs.

5324 GENERAL BIOCHEMISTRY II/Prerequisite General Biochemistry I 5323 or equivalent. Intermediary metabolism and biochemical endocrinology.

Miller, Staff 3 qtr.hrs.

5335 PHYSIOLOGY OF BIOMEMBRANES/Membrane structure; chemistry and biophysics of membrane transport in red blood cell membrane, amphibian epithelium, GI mucosa, gall bladder epithelium, and renal tubular cells.

Prerequisite: Consent of instructor.

Frazier 3 qtr.hrs.

5353 POSTNATAL CRANIOFACIAL GROWTH & DEVELOPMENT I/Growth,development, adaptation and aging of craniofacial structures and tissues(primarily skeletal); somatic growth and development; clinical implications; theories of craniofacial development.

Carlson 3 qtr. hrs.

5354 POSTNATAL CRANIOFACIAL GROWTH & DEVELOPMENT II/Growth,development, adaptation and aging of craniofacial structures and tissues(primarily skeletal); somatic growth and development; clinical implications; theories of craniofacial development.

Carlson 3 qtr. hrs.

5355 EVOLUTIONARY AND FUNCTIONAL MORPHOLOGY OF THE CRANIOFACIAL COMPLEX I/Comparative anatomy and evolution of craniofacial structures, with emphasis on current techniques of electrophysiology, kinesiology and musculoskeletal biomechanics of orofacial function.

Dechow 3 qtr. hrs.

5356 EVOLUTIONARY AND FUNCTIONAL MORPHOLOGY OF THE CRANIOFACIAL COMPLEX II/Comparative anatomy and evolution of craniofacial structures, with emphasis on current techniques of electrophysiology, kinesiology and musculoskeletal biomechanics of orofacial function.

Dechow 3 qtr. hrs.

5401 NEUROANATOMY/Lectures and laboratory sessions on gross and microscopic anatomy of the human central nervous system anatomical relationships within the spinal cord, brain stem, basal ganglia, and cerebrum; relationship to clinical problems, peripheral nervous system as necessary to understand central mechanisms.

Dill 4 qtr.hrs.

5403 NEUROPHYSIOLOGY/Central nervous system, peripheral nerves, special senses, autonomic, and clinical mediation.

Wong 4 qtr.hrs.

5411 GENERAL HISTOLOGY II/General histology and microscopic anatomy of the four basic tissues; laboratory study of electron micrographs and prepared slides.

McIntosh, Staff 4 qtr.hrs.

BIOMEDICAL SCIENCES

GRADUATE AND POSTGRADUATE PROGRAMS

- | | | | | | |
|------|---|-------------|------|---|-----------------|
| 5412 | GENERAL HISTOLOGY II/General histology and microscopic anatomy of human organs and organ systems; laboratory study of electron micrographs and prepared slides.
<i>McIntosh, Staff</i> | 4 qtr.hrs. | 5V14 | DIRECTED READINGS/Individualized courses for students may involve in-depth study of specific topics in development, growth and function of the craniofacial complex and related biomedical sciences.
<i>Staff</i> | 1-4 qtr. hrs. |
| 5457 | RESEARCH METHODOLOGY AND BIOSTATISTICS I/Overview of the fundamentals of scientific and statistical thinking.
<i>Schneiderman, Staff</i> | 4 qtr. hrs. | 5V33 | HEAD AND NECK ANATOMY/Surgical anatomy and distribution of nerves and vasculature of particular interest in dentistry.
<i>Blanton</i> | 2-3 qtr.hrs. |
| 5458 | RESEARCH METHODOLOGY AND BIOSTATISTICS II/Application of basic and advanced statistics to contemporary problems in biomedical sciences.
<i>Guo, Staff</i> | 4 qtr. hrs. | 5V34 | ENDOCRINOLOGY/Endocrine system, bioassay techniques; lecture, 2 hours credit, optional laboratory, 2 hours credit. Odd-numbered years only.
<i>Bellinger</i> | 2-4 qtr.hrs. |
| 5459 | RESEARCH METHODOLOGY AND BIOSTATISTICS III/Advanced biostatistics focusing on multivariate methods and analysis of data from clinical trials.
<i>Buschang, Staff</i> | 4 qtr. hrs. | 5V40 | SPECIAL PROBLEMS/Short-term, research-related problems to provide an opportunity for students to design experiments, explore methodology, and analyze results.
<i>Staff</i> | 2-4 qtr.hrs. |
| 5501 | GROSS ANATOMY I/Conceptual and functional basis for understanding the macroscopic structure of the human body; laboratory dissection of human cadavers; emphasis on regional anatomy of the back, thorax, upper limb, and head.
<i>Babler, Staff</i> | 5 qtr.hrs. | 5V41 | RESEARCH AND SPECIAL PROBLEMS/ Concentrated investigation in biomedical sciences, topic chosen by student and approved by the mentor and department chairman; students may register for 1 to 4 quarter hours.
<i>Staff</i> | Max. 4 qtr.hrs. |
| 5502 | GROSS ANATOMY II/Conceptual and functional basis for understanding the macroscopic structure of the human body; laboratory dissection of human cadavers; emphasis on regional anatomy of the head, abdomen, pelvis, and lower limb.
<i>Babler, Staff</i> | 5 qtr.hrs. | 5V98 | RESEARCH FOR THE MASTER'S THESIS
<i>Staff</i> | Max. 5 qtr.hrs. |
| 5804 | MAMMALIAN PHYSIOLOGY/Basic physiology of cells and muscle, nerve, blood, heart, circulation, respiration, digestion, excretion, and central nervous systems; maintenance of homeostasis; demonstration of principles with classical laboratory experiments; lecture/laboratory format.
<i>Frazier, Staff</i> | 8 qtr.hrs. | 5V99 | THESIS
<i>Staff</i> | Max. 5 qtr.hrs. |
| 5V03 | ORAL MICROBIOLOGY/Environment of the mouth and its relation to the endogenous and exogenous oral microbiota; discussion of species differences; immunologic determinants of health and disease; lectures and student projects.
<i>Kolstad, Staff</i> | 3 qtr. hrs. | 6V99 | DISSERTATION
<i>Staff</i> | Max. 6 qtr.hrs. |

GRADUATE AND POSTGRADUATE PROGRAMS

ENDODONTICS

Professor James L. Gutmann, *Program Director*

Graduate Program (M.S. with Thesis)

110 quarter hours minimum
24-30 months

Postgraduate Program (Certificate):

94 quarter hours minimum
24 months minimum
Starting date: July

Program Objectives

The program objectives are:

- To provide a highly integrated selection of courses and educational experiences that emphasize the development of a strong basic science background coupled with advanced diagnostic and clinical skills
- To develop a highly skilled specialist who is prepared to meet the challenges of today's oral health care needs as a clinician
- To encourage and develop skills as teachers and researchers

Curriculum

FIRST QUARTER

		Clock Hours	Credit Hours
END 5121	Endodontic Treatment Planning Conference	16	1
END 5111	Current Literature Review	16	1
PHA 5214	Clinical Pharmacology	22	2
CS 5233	Physical Diagnosis	18	2
END 5241	Application and Assessment of Endodontic Techniques	44	2
BMS 5263	Teaching Skills for Health Professions Educators	22	2
END 5401	Biological Principles of Endodontic Therapy	48	4
CS 5470	Research Methodology	32	4*
END 5V41	Special Problems in Endodontics	V	1-5
		Total 218	19(23)

SECOND QUARTER

END 5121	Endodontic Treatment Planning Conference	22	1
END 5111	Current Literature Review	22	1
END 5302	Biological Basis for Pulp Therapy	39	3
END 5312	Clinical Endodontics	242	3
BMS 5303	Applied Medical Physiology	36	3
CS 5214	Scientific Writing	24	2*
CS 5222	Biostatistics	22	2
		Total 407	15(16)

THIRD QUARTER

END 5121	Endodontic Treatment Planning Conference	22	1
END 5111	Current Literature Review	22	1
END 5302	Biological Basis for Pulp Therapy	39	3
END 5312	Clinical Endodontics	242	3
BMS 5V33	Head & Neck Anatomy	24	2
BMS 5214	Advanced Oral Histology	24	2
BMS 5211	Immunology	24	2
		Total 397	14

FOURTH QUARTER

END 5121	Endodontic Treatment Planning Conference	22	1
END 5111	Current Literature Review	22	1
END 5302	Biological Basis for Pulp Therapy	39	3
END 5312	Clinical Endodontics	242	3
BMS 5320	Scanning Electron Microscopy	33	3
CS 5V01	Advanced Oral Pathology	48	4
BMS 5V03	Oral Microbiology	36	3
		Total 442	18

GRADUATE AND POSTGRADUATE PROGRAMS

FIFTH QUARTER

		Clock Hours	Credit Hours
END 5121	Endodontic Treatment Planning Conference	16	1
END 5111	Current Literature Review	16	1
END 5415	Advanced Clinical Endodontics I	188	4
END 5V98	Research for Master's Thesis	16	1*
END 5V41	Special Problems in Endodontics	V	1-5
		Total 236	8(12)

SIXTH QUARTER

END 5121	Endodontic Treatment Planning Conference	22	1
END 5111	Current Literature Review	22	1
END 5316	Advanced Clinical Endodontics II	275	3
END 5326	Biological Basis for Periradicular Therapy	39	3
END 5V98	Research for Master's Thesis	44	2*
END 5V41	Special Problems in Endodontics	V	1-5
		Total 402	11(15)

SEVENTH QUARTER

END 5121	Endodontics Treatment Planning Conference	22	1
END 5111	Current Literature Review	22	1
END 5326	Biological Basis for Periradicular Therapy	39	3
END 5417	Advanced Clinical Endodontics III	275	4
END 5V41	Special Problems in Endodontics	V	1-5
END 5V98	Research for Master's Thesis	44	2*
		Total 402	12(16)

EIGHTH QUARTER

END 5121	Endodontic Treatment Planning Conference	22	1
END 5111	Current Literature Review	22	1
END 5318	Advanced Clinical Endodontics IV	275	3
END 5326	Biological Basis for Periradicular Therapy	39	3
END 5V99	Thesis	66	1-5*
		Total 424	9(13)

NINTH QUARTER

END 5V99	Thesis	80	2-5*
		Total 80	2-5

TENTH QUARTER

END 5V99	Thesis	80	2-5*
		Total 80	2-5

* Courses required for M.S. degree candidates.

COURSE DESCRIPTIONS

5111 CURRENT LITERATURE REVIEW/Detailed review of recently published literature on all subjects related to endodontics; critical evaluation of the scientific literature; student assignment of recent issues of 28 selected dental journals for critical review of pertinent articles for scientific merit and clinical relevance; students register for a total of eight quarters.
Gutmann 1 qtr. hr.

5121 ENDODONTIC TREATMENT PLANNING CONFERENCE/Diagnosis and treatment planning for complicated endodontic cases requiring advanced skills; case presentation by students and graduate faculty in a prescribed format; formulation and defense of diagnosis and treatment plan with biologic rationale based on documented scientific or clinical evidence; students register for a total of eight quarters.
Gutmann 1 qtr. hr.

GRADUATE AND POSTGRADUATE PROGRAMS

- 5241 APPLICATION AND ASSESSMENT OF ENDODONTIC TECHNIQUES/Assessment, development, and enhancement of clinical skills in endodontic therapy; laboratory format; students perform a specific series of increasingly complex procedures under simulated clinical conditions; student self-assessment of procedures in a seminar forum before graduate faculty.
Gutmann 2 qtr. hrs.
- 5302 BIOLOGICAL BASIS FOR PULP THERAPY/Biological basis for pulp therapy in seminar/lecture format based on classic and current scientific literature; embryology, physiology, and microanatomy of the dental pulp and related structures; integration of prevention, etiology, diagnosis, and treatment using scientific principles; students register for a total of three quarters.
Gutmann 3 qtr. hrs.
- 5312 CLINICAL ENDODONTICS/Diagnosis, management, and treatment of patients requiring endodontic therapy by first-year graduate students under faculty supervision; case selection and patient load determined by student aptitude and clinical competence; students register for a total of three quarters.
Staff 3 qtr. hrs.
- 5316 ADVANCED CLINICAL ENDODONTICS II/Continuation of Advanced Clinical Endodontics 5415.
Staff 3 qtr. hrs.
- 5318 ADVANCED CLINICAL ENDODONTICS IV/Continuation of Advanced Clinical Endodontics 5417.
Staff 3 qtr. hrs.
- 5326 BIOLOGICAL BASIS FOR PERIRADICULAR THERAPY/Seminar/lecture format based on current scientific literature; microanatomy, physiology, and pathology of the periradicular soft tissues and bone; etiology, diagnosis, surgical and nonsurgical treatment of periradicular disease in healthy and medically compromised patients; formulation of a biologic rationale for treatment from extensive literature review; students register for a total of three quarters.
Gutmann 3 qtr. hrs.
- 5401 BIOLOGICAL PRINCIPLES OF ENDODONTIC THERAPY/Seminars with assigned reading from the scientific literature on subjects relating to the myriad of procedural steps and techniques proposed for nonsurgical endodontic therapy; students are challenged to assess the available evidence and to determine the biologic basis for acceptable and unacceptable methods and techniques.
Gutmann 4 qtr. hrs.
- 5415 ADVANCED CLINICAL ENDODONTICS I/Diagnosis, management, and treatment of patients with advanced endodontic problems by second-year graduate students under faculty supervision; students are challenged with medically compromised patients, complex treatment and re-treatment cases, difficult interdisciplinary cases, complicated emergency cases, and cases requiring fistulative, periradicular, or corrective surgical intervention.
Staff 4 qtr. hrs.
- 5417 ADVANCED CLINICAL ENDODONTICS III/Continuation of Advanced Clinical Endodontics 5316.
Staff 4 qtr. hrs.
- 5V41 SPECIAL PROBLEMS IN ENDODONTICS/Exploration in depth of subjects of individual interest under graduate faculty supervision; concentrated and detailed search for information and analysis of published data as a basis for special reports, protocol development, research orientation and thesis formulation; students register for a total of three quarters.
Staff 1-5 qtr. hrs.
- 5V44 ADVANCED SPECIAL PROBLEMS IN ENDODONTICS/Advanced topics of individual interest.
Staff 1-2 qtr. hrs.
- 5V98 RESEARCH FOR THE MASTER'S THESIS/Original research on a meaningful problem related to endodontics as partial fulfillment for the master's degree; students establish a research problem, search the literature, prepare a research proposal for submission to funding agencies, and conduct necessary experimental and control procedures to test the established hypothesis; students register for one to five hours per quarter.
Staff Max. 5 qtr. hrs.
- 5V99 THESIS/Credit for completion of thesis in acceptable form.
Staff Max. 5 qtr. hrs.

ADVANCED EDUCATION IN GENERAL DENTISTRY

Assoc. Prof. Mohsen Taleghani, *Chair*
 Assistant Professor William F. Wallace,
Program Director

Residency (1 year, certificate)
 46 quarter hours
 Starting date: July

Program Objectives

The program objectives are:

- To provide residents with both clinical and didactic training in all disciplines of general dentistry beyond that received in the undergraduate curriculum
- To increase both the confidence and competence of residents in all components of general dentistry
- To improve the resident's ability in diagnosis, treatment planning, oral examination, and physical evaluation of the multi-discipline patient
- To assist the resident in developing a working knowledge of practice management and administration

One Year Curriculum*

			Clock Hours	Credit Hours
CS	5218	Conscious Sedation	24	2
CS	5221	Internal Medicine	24	2
CS	5233	Physical Diagnosis	24	2
GD	5201	Implant Dentistry	16	2
GD	5212	Advanced Clinical Endodontics	12	2
GD	5303	Advanced Maxillofacial Surgery	24	3
GD	5213	Advanced Removable Prosthodontics	15	2
GD	5214	Advanced Fixed Prosthodontics	20	2
GD	5215	Advanced Clinical Periodontology	18	2
GD	5216	Advanced Clinical Orthodontics	12	2
GD	5217	Current Concepts in Operative Dentistry	20	2
GD	5218	Advanced Pediatric Dentistry	46	2
GD	5219	Treatment Planning Conferences	30	2
GD	5220	Current Literature Reviews	24	2
GD	5221	Clinical Pathology Conferences	22	2
GD	5322	Principles of Practice Management	20	3
GD	5123	Case Presentations	10	1
GD	5224	Ethics in Dentistry	16	2
GD	5325	Research for Publishable Paper	50	3
GD	5226	Stomatology	42	2
GD	5227	Advanced Geriatric Dentistry	42	2
GD	5228	Advanced Dentistry for Special Care Patients	70	2
			Total 581	46

*Courses may continue more than one quarter.

COURSE DESCRIPTIONS

GENERAL DENTISTRY

5123	CASE PRESENTATIONS/Student presentations to a faculty forum of completed, complex cases with defense of treatment plan <i>Staff</i> 1 qtr. hr.	removable implant patients. Lecture, seminars and patient treatment. <i>Staff</i> 2 qtr. hrs.
5201	IMPLANT DENTISTRY/Diagnosis, management and treatment of both fixed and	5212 ADVANCED CLINICAL ENDODONTICS/ Diagnosis, management, and treatment of patients with complex endodontic problems; surgical and nonsurgical treatment

GRADUATE AND POSTGRADUATE PROGRAMS

- | | | | |
|------|--|------|--|
| | and re-treatment of complicated cases.
<i>Staff</i> <i>2 qtr. hrs.</i> | | area and ability to evaluate scientific literature.
<i>Staff</i> <i>2 qtr. hrs.</i> |
| 5213 | ADVANCED REMOVABLE PROSTHODONTICS/Diagnosis, treatment planning, and clinical treatment of complicated cases requiring advanced skills in removable prosthodontics.
<i>Staff</i> <i>2 qtr. hrs.</i> | 5221 | CLINICAL PATHOLOGY CONFERENCES/Presentation of clinical cases representing various types of oral pathology; reasoning approach to a primary diagnosis.
<i>Staff</i> <i>2 qtr. hrs.</i> |
| 5214 | ADVANCED FIXED PROSTHODONTICS/Diagnosis, treatment planning and clinical treatment of complicated cases requiring advanced skills in fixed prosthodontics, including implant restoration.
<i>Staff</i> <i>2 qtr. hrs.</i> | 5224 | ETHICS IN DENTISTRY/Ethical approach to practice promotion and professional interactions.
<i>Staff</i> <i>2 qtr. hrs.</i> |
| 5215 | ADVANCED CLINICAL PERIODONTOLOGY/Diagnosis, treatment planning, prognosis, and instrumentation skills; basic surgical techniques.
<i>Staff</i> <i>2 qtr. hrs.</i> | 5226 | STOMATOLOGY/Participation and experience in the Stomatology Clinic; multidisciplinary approach to patients with chronic, debilitating diseases with oral manifestations.
<i>Staff</i> <i>2 qtr. hrs.</i> |
| 5216 | ADVANCED CLINICAL ORTHODONTICS/Diagnosis and evaluation of a broad variety of malocclusions; emphasis on minor tooth movement, interceptive treatment, and maintenance of arch integrity.
<i>Staff</i> <i>2 qtr. hrs.</i> | 5227 | ADVANCED GERIATRIC DENTISTRY/Diagnosis, treatment planning, and treatment of geriatric patients with special needs; emphasis on medically, physically, and mentally compromised patients.
<i>Staff</i> <i>2 qtr. hrs.</i> |
| 5217 | CURRENT CONCEPTS IN OPERATIVE DENTISTRY/Recent theories and techniques relating to restorative dental materials; emphasis on indications and contraindications for tooth-colored restorative materials; esthetic dentistry.
<i>Staff</i> <i>2 qtr. hrs.</i> | 5228 | ADVANCED DENTISTRY FOR SPECIAL CARE PATIENTS/Clinical application and experience in the care and treatment of special-care patients with medical, physical, and mental handicaps; rotation through the Denton State School.
<i>Staff</i> <i>2 qtr. hrs.</i> |
| 5218 | ADVANCED PEDIATRIC DENTISTRY/Diagnosis, treatment planning, and clinical treatment of complex pediatric patients; emphasis on medically compromised and behavior management cases.
<i>Staff</i> <i>2 qtr. hrs.</i> | 5303 | ADVANCED MAXILLOFACIAL SURGERY/Principles of oral surgery techniques and procedures in the outpatient clinic and hospital environments; demonstrations and clinical application.
<i>Staff</i> <i>3 qtr. hrs.</i> |
| 5219 | TREATMENT PLANNING CONFERENCES/Diagnosis and treatment planning for complicated cases involving a multidisciplinary approach; student presentation of complex cases to a graduate faculty forum; defense of treatment plans using documented scientific or clinical evidence.
<i>Staff</i> <i>2 qtr. hrs.</i> | 5322 | PRINCIPLES OF PRACTICE MANAGEMENT/Principles of office management including accounting, insurance, financial planning, office design, and personnel relations.
<i>Staff</i> <i>3 qtr. hrs.</i> |
| 5220 | CURRENT LITERATURE REVIEWS/Detailed review of recent literature on a topic chosen by the graduate faculty; enhancement of student knowledge in the subject | 5325 | RESEARCH FOR PUBLISHABLE PAPER/Search of literature, selection and delineation of a research problem, and development of a paper suitable for publication.
<i>Staff</i> <i>3 qtr. hrs.</i> |

GRADUATE AND POSTGRADUATE PROGRAMS

ORAL AND MAXILLOFACIAL SURGERY & PHARMACOLOGICAL SCIENCES

Professor R. Gilbert Triplett, *Chair*
 Professor Sterling R. Schow, *Program Director*
 Professor Gage
 Associate Professor S. Taylor
 Assistant Professors Alexander, Schneiderman

Postgraduate Program (Certificate and M.D. or Ph.D.). Programs may be combined and completed within the specified time period)

72 months minimum

Starting Date: July

Program Objectives

The program objectives are:

- To impart to the resident a clinical and academic background that meets or exceeds the requirements and essentials of an accredited residency

program in oral and maxillofacial surgery

- To provide a program that will prepare the resident for eventual successful completion of the certification examination of the American Board of Oral and Maxillofacial Surgery
- To develop in the student the surgical expertise, diagnostic acumen, and patient management skills that will enable him or her to pursue either an academic career, research career, and/or practice in this specialty
- To foster in the student an attitude of critical inquiry and intellectual self-renewal throughout his or her professional career and to stimulate the desire to deliver ethical, compassionate, and effective health care services to the public
- To stimulate in the student an orderly intellectual curiosity through the teaching of research methodology, the design and conduct of meaningful research, and the defense of a master's level thesis

Curriculum

The residency program in Oral and Maxillofacial Surgery is a combined program leading to a certificate in oral and maxillofacial surgery and either an M.D. or Ph.D. degree. The minimum duration of study is 72 months.

In the combined oral and maxillofacial surgery and M.D. program, the resident begins training with attendance at Texas Tech University Medical School in Lubbock, Texas as a full-time medical student with advanced standing in the second year medical class. Six months of the medical school program are spent on the oral and maxillofacial surgery service. After completion of medical school the resident returns to Baylor in Dallas to complete a one year general surgery internship at Baylor University Medical Center. The remaining 24 months of the program are spent on the Oral and Maxillofacial Surgery Service at Baylor College of Dentistry and Baylor University Medical Center.

The combined oral surgery and Ph.D. program in Craniofacial Biology is integrated with the oral and maxillofacial surgery residency. The Ph.D. program is jointly conducted through Baylor College of Dentistry and Baylor University. This course of study requires a minimum 117 quarter hours of advanced level courses and research leading to preparation and defense of the Ph.D. dissertation. The program design requires completion of the Ph.D. prior to the clinical training portion of the oral and maxillofacial surgical residency.

COURSE DESCRIPTIONS for Oral & Maxillofacial Surgery

5212 SEMINAR IN ORAL AND MAXILLOFACIAL SURGERY/Discussion of oral surgery topics by students, faculty or guest lecturers; new clinical or surgical procedures, research methods and results, and other topics timely to the state-of-the-art of the specialty; may be repeated a maximum of four quarters.
Schow, Staff 2 qtr. hrs./qtr.

5219 CLINICAL CONFERENCES/Pre- and post-

surgical case presentation in Oral Surgery and Oral Pathology by students and faculty; diagnostic and treatment methods; may be repeated a maximum of four quarters.

Schow 2 qtr. hrs./qtr.

5301 ORAL AND MAXILLOFACIAL LECTURES AND DEMONSTRATIONS/Principles of oral surgery techniques and procedures presented and integrated into clinical

ORAL AND MAXILLOFACIAL SURGERY & PHARMACOLOGICAL SCIENCES

GRADUATE AND POSTGRADUATE PROGRAMS

- demonstrations; applications to patient treatment in both hospitals and clinics; may be repeated a maximum of four quarters.
Staff 3 qtr. hrs./qtr.
- 5333 CLINICAL ORAL MAXILLOFACIAL SURGERY IN AN OUTPATIENT CLINIC/Minor and major oral surgery procedures by students under supervision; may be repeated a maximum of four quarters.
Schow 3 qtr. hrs./qtr.
- 5337 ADVANCED CLINICAL ORAL AND MAXILLOFACIAL SURGERY IN THE HOSPITAL/Major oral and maxillofacial surgical procedures by students under supervision; may be repeated a maximum of four quarters.
Schow, Staff 3 qtr. hrs./qtr.
- 5405 HOSPITAL EMERGENCY ROOM TECHNIQUES AND CLINICAL EXPERIENCE/Triage and treatment of emergency patients; initial evaluation, requesting of laboratory studies, consultations, record keeping and methods of treatment for the comprehensive management of patients.
Schow, Staff 4 qtr. hrs./qtr.
- 5409 HOSPITAL PROCEDURES & RECORDS AND TEACHING ROUNDS IN ORAL & MAXILLOFACIAL SURGERY/Hospital record keeping, chart composition and hospital protocols; lectures and demonstrations; participation in on-call status at the hospital; may be repeated a maximum of four quarters.
Schow, Staff 4 qtr. hrs./qtr.
- 5V24 HOSPITAL ROTATIONS/Rotation through related services at Baylor University Medical Center, Parkland Memorial Hospital and Texas Scottish Rite Hospital (i.e., Anesthesiology, Internal Medicine, Cardiology, General Surgery, Neurosurgery, Radiology and Emergency Medicine); in-depth training and experience to improve the quality of the patients surgical background; may be repeated a maximum of two quarters.
Hospital Staff 1 qtr. hr./qtr.

COURSE DESCRIPTIONS for Pharmacological Sciences

- 5210 PRINCIPLES OF PHARMACOLOGY/Absorption, distribution biotransformation, excretion and molecular mechanisms of drug actions; legal aspects of opioid and non-opioid drugs.
Taylor 2 qtr. hrs.
- 5211 MODERN PHARMACOLOGY I/Major topics in pharmacology; anti-infectives; anti-neoplastic, autonomic and cardiovascular drugs. *Prerequisite: Principles of Pharmacology 5210 or consent of instructor.*
Staff 2 qtr. hrs.
- 5212 MODERN PHARMACOLOGY II/Continuation of Modern Pharmacology I (5211); psychotherapeutic drugs, sedative anxiolytics, endocrine drugs, autocoids; drug abuse. *Prerequisite: Modern Pharmacology I (5211).*
Staff 2 qtr. hrs.
- 5214 CLINICAL PHARMACOLOGY/Selection and evaluation of dentally-related drugs, review of current literature, seminar format, limited to clinical specialty students.
Gage 2 qtr. hrs.
- 5215 PSYCHOPHARMACOLOGY/Psychoactive drugs, therapeutic and non-therapeutic, including phenothiazines, anti-depressants, psychotropics and related drug classes. *Prerequisites: Consent of instructor.*
Gage 2 qtr. hrs.
- 5316 CARDIOVASCULAR PHARMACOLOGY/Drugs affecting the cardiovascular system; rationale for use of various drugs in treatment of cardiovascular disease. *Prerequisite: Consent of instructor.*
Taylor 3 qtr. hrs.
- 5V42 INDIVIDUAL STUDIES/Investigation of a topic in any area of pharmacology of interest to the student with approval of the department; may be repeated for credit. *Prerequisite: Consent of instructor.*
Staff Max. 5 qtr. hrs.
- 5V98 RESEARCH FOR THE MASTER'S THESIS/Limited to degree candidates.
Staff Max. 5 qtr. hrs.
- 5V99 THESIS/Credit for completion of an acceptable thesis; credit depending on quality and quantity of work; limited to degree candidates.
Staff Max. 5 qtr. hrs.

GRADUATE AND POSTGRADUATE PROGRAMS

ORTHODONTICS

Professor Richard F. Ceen, *Chair*
 Clinical Professors C.M. Alexander,
 R.G. Alexander, Gaylord, Genecov, Matthews
 Associate Professors Buschang, Sachdeva
 Clinical Associate Professors Attaway, Aubrey,
 Crosby, Jacobs, Moore, Nichol, Oakes, Williams
 Clinical Assistant Professors Brady, Collins, Glenn,
 Goates, Holt

Graduate Program (M.S. with Thesis):
 110 quarter hours minimum
 27 months minimum

Postgraduate Program (Certificate):
 92 quarter hours minimum
 27 months minimum
 Programs are combined
 Starting Date: July

Program Objectives

The program objectives are:

- To provide the student with a well balanced educational experience, integrating a strong foundation in the basic sciences with a diverse clinical education
- To graduate a specialist with the highly refined analytical, clinical, and management skills necessary to provide optimum oral health care

Curriculum

FIRST QUARTER

		Clock Hours	Credit Hours
ORT 5225	Orthodontic Seminar/Clinical Patient Evaluation	22	2
ORT 5315	Orthometrics/ Data Base Analysis	99	3
ORT 5333	Clinical Orthodontics I	165	3
ORT 5414	Orthodontic Techniques I	88	4
CS 5470	Research Methodology	36	4*
ORT 5327	Ortho Decision Analysis	77	3
ORT 5V11	Cephalometrics/Radiology I	11	1
	Total	498	16(20)

SECOND QUARTER

ORT 5101	Biomechanics I	11	1
ORT 5106	Dental Materials	11	1
ORT 5132	Orthodontic Philosophies	11	1
ORT 5333	Clinical Orthodontics I	209	3
ORT 5V21	Orthognathic Surgery I	22	2
ORT 5142	Clinical Patient Conference Seminar	17	1
CS 5214	Scientific Writing	24	2*
CS 5222	Biostatistics	22	2
ORT 5136	Literature Review Seminar	11	1
	Total	338	12(14)

THIRD QUARTER

ORT 5102	Biomechanics III	11	1
ORT 5134	Functional Dento-facial ORPDS	11	1
ORT 5212	Functional Dento-facial Ortho/Appliances	44	2
ORT 5135	Seminar/Treatment Planning	11	1
ORT 5333	Clinical Orthodontics I	209	3
ORT 5V22	Orthognathic Surgery II	22	2
ORT 5V41	Special Problems	11	1
BMS 5210	Advanced Human Craniofacial Growth & Development	24	2
BMS 5V33	Head & Neck Anatomy	24	2
ORT 5142	Clinical Patient Conference Seminar	17	1
CS 5221	Internal Medicine	24	2
ORT 5136	Literature Review Seminar	11	1
	Total	419	19

ORTHODONTICS

GRADUATE AND POSTGRADUATE PROGRAMS

FOURTH QUARTER

		Clock Hours	Credit Hours
ORT 5103	Biomechanics II	11	1
ORT 5142	Clinical Patient Conference Seminar I	17	1
ORT 5105	Occlusion	11	1
ORT 5333	Clinical Orthodontics I	209	3
ORT 5V23	Orthognathic Surgery III	22	2
ORT 5V41	Special Problems	22	2
CS 5291	Human Behavior in Dentistry	24	2
CS 5V01	Advanced Oral Pathology	48	4
ORT 5136	Literature Review Seminar	11	1
		Total 375	17

FIFTH QUARTER

ORT 5104	Biomechanics IV	11	1
ORT 5208	Principles of Scientific Methodology	22	2
ORT 5334	Clinical Orthodontics II	297	3
ORT 5608	Orthodontic Techniques II	44	6
ORT 5V41	Special Problems (Case Reanalysis Seminar)	22	2
		Total 396	14

SIXTH QUARTER

ORT 5129	Practice Administration	11	1
ORT 5334	Clinical Orthodontics II	269	3
ORT 5231	Craniofacial Growth & Development: Implications	22	2
ORT 5V98	Research for Master's Thesis	44	1*
ORT 5142	Clinical Patient Conference Seminar	17	1
		Total 374	7(8)

SEVENTH QUARTER

ORT 5130	Marketing and Ethics	11	1
ORT 5209	Relapse and Retention	22	2
ORT 5142	Clinical Patient Conference Seminar	17	1
ORT 5334	Clinical Orthodontics II	336	3
ORT 5V98	Research for Master's thesis	44	2*
		Total 430	7(9)

EIGHTH QUARTER

ORT 5131	History of Orthodontics	11	1
ORT 5334	Clinical Orthodontics II	336	3
ORT 5142	Clinical Patient Conference Seminar	17	1
ORT 5V99	Thesis	44	2*
ORT 5136	Literature Review Seminar	11	1
		Total 419	6(8)

NINTH QUARTER

ORT 5V99	Thesis	66	(5)*
ORT 5235	Orthodontic Extramural Rotation	66**	2

* Starred courses and hours in parentheses are for degree candidates only.

** Elective-Not required

COURSE DESCRIPTIONS

5101 BIOMECHANICS I/Mechanical principles and biologic factors affecting tooth movement; introduction to forces, statics and dynamics, scalars and vectors, and analysis of force systems.
Sachdeva 1 qtr. hr.

5102 BIOMECHANICS II/Force and movement; basic concepts fundamental to an under-

standing of tooth movement.
Sachdeva 1 qtr. hr.

5103 BIOMECHANICS III/Continuation of 5102; concepts of center of rotation; equivalence, movement to force ratio; and equilibrium.
Sachdeva 1 qtr. hr.

ORTHODONTICS

GRADUATE AND POSTGRADUATE PROGRAMS

- | | |
|---|---|
| <p>5104 BIOMECHANICS IV/Applied biomechanics; methods of application of orthodontic force systems for tooth movement; demonstrations of a variety of orthodontic treatment mechanics.
<i>Sachdeva</i> 1 qtr. hr.</p> <p>5105 OCCLUSION/Concepts of occlusion and its relationship to function and dysfunction.
<i>Aubrey</i> 1 qtr. hr.</p> <p>5106 DENTAL MATERIALS/Evaluation and utilization of dental materials used in clinical orthodontics.
<i>Genecov</i> 1 qtr. hr.</p> <p>5129 PRACTICE ADMINISTRATION/Basic principles of office management including staff selection, office design, accounting, insurance, inventory control, and financial planning
<i>Gaylord</i> 1 qtr. hr.</p> <p>5130 MARKETING AND ETHICS/Ethical approach to practice promotion and professional interactions.
<i>Gaylord</i> 1 qtr. hr.</p> <p>5131 HISTORY OF ORTHODONTICS/Development of the orthodontic specialty from its inception to the present.
<i>Gaylord</i> 1 qtr. hr.</p> <p>5132 ORTHODONTIC PHILOSOPHIES/Evaluation of current orthodontic concepts and fixed appliance treatment and techniques.
<i>Crosby</i> 1 qtr. hr.</p> <p>5134 FUNCTIONAL DENTOFACIAL ORTHODONTICS/Orthopedic concepts of alteration of abnormal growth of the jaws.
<i>Faculty</i> 1 qtr. hr./qtr.</p> <p>5135 ORTHODONTIC SEMINAR/TREATMENT PLANNING/Students explore approaches to an individualized optimal treatment plan and design appropriate mechanotherapy for the patient.
<i>Jacobs</i> 1 qtr. hr.</p> <p>5136 LITERATURE REVIEW SEMINAR/Review and discussion of current clinical and research literature in orthodontics; may be repeated up to 6 quarters with different topics.
<i>Buschang</i> 1 qtr. hr.</p> | <p>5142 CLINICAL PATIENT CONFERENCE SEMINAR/Presentation by residents of the diagnosis, treatment planning, and treatment of current patients; may be repeated up to 6 quarters.
<i>Ceen & Faculty</i> 1 qtr. hr.</p> <p>5208 PRINCIPLES OF SCIENTIFIC METHODOLOGY/Basic precepts of research and the methodology of critical literature review in preparation for a master's thesis proposal.
<i>Buschang</i> 2 qtr. hrs.</p> <p>5209 RELAPSE AND RETENTION/Etiology of posttreatment changes over short and long term; design and use of orthodontic retention appliances.
<i>Ceen</i> 2 qtr. hrs.</p> <p>5212 FUNCTIONAL DENTO-FACIAL ORTHODONTICS/APPLIANCES/ Techniques of construction and adjustment of orthopedic appliances.
<i>Ceen & Richardson</i> 2 qtr. hrs.</p> <p>5225 SEMINAR IN CLINICAL PATIENT EVALUATION/Clinical examination and record gathering for patients with malocclusions.
<i>Crosby</i> 2 qtr. hrs.</p> <p>5231 CRANIOFACIAL GROWTH AND DEVELOPMENT II/Clinical implications of changes in craniofacial form and function; critical evaluation of the literature.
<i>Buschang</i> 2 qtr. hrs.</p> <p>5235 ORTHODONTIC EXTRAMURAL ROTATION/Provides the resident with a supervised experience working in an extramural orthodontic practice setting.
<i>Elective</i></p> <p>5315 ORTHOMETRICS/DATABASE ANALYSIS/ Principles of clinimetrics; data collection, entry, and interpretation for orthodontic patients; maturation assessment and diagnostic cephalometric imaging; lecture and laboratory.
<i>Sachdeva</i> 3 qtr. hrs.</p> <p>5327 ORTHODONTIC DECISION ANALYSIS/ Principles of logic in planning treatment for an orthodontic patient; theory of decision-making in orthodontics; lectures, laboratory, seminars.
<i>Sachdeva</i> 3 qtr. hrs.</p> |
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GRADUATE AND POSTGRADUATE PROGRAMS

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|------|---|------|---|
| 5333 | CLINICAL ORTHODONTICS I/Diagnosis and treatment of patients with a broad variety of malocclusions; patients requiring early treatment, dento-facial orthopedics or orthognathic surgery; TMJ and compromised adult dentitions; emphasis on treatment with a variety of edgewise appliances; lingual techniques.
<i>Ceen & Faculty</i> 3 qtr. hrs. | 5V22 | ORTHOGNATHIC SURGERY II/Treatment planning for the surgical patient.
<i>Collins, Jacobs</i> 1-2 qtr. hrs. |
| 5334 | CLINICAL ORTHODONTICS II/Continuation of Clinical Orthodontics I 5333.
<i>Ceen & Faculty</i> 3 qtr. hrs. | 5V23 | ORTHOGNATHIC SURGERY III/Case finishing and reanalysis of surgical treatment.
<i>Collins, Jacobs</i> 1-2 qtr. hrs. |
| 5414 | ORTHODONTIC TECHNIQUES/Edgewise continuous arch techniques involving Typodont treatment of multiple simulated malocclusions.
<i>Ceen & Faculty</i> 4 qtr. hrs. | 5V41 | SPECIAL PROBLEMS/Opportunity for student to pursue concentrated and supervised study of orthodontic problems of individual interest under staff supervision; may be repeated up to 3 quarters.
<i>Buschang, Genecov, W. Alexander, Matthews</i> 1-5 qtr. hrs. |
| 5608 | ORTHODONTIC TECHNIQUES II/Concepts of the lingual appliance and segmental arch therapy.
<i>Goates, Sachdeva</i> 6 qtr. hrs. | 5V98 | RESEARCH FOR THE MASTER'S THESIS/Activity to establish a research problem, search the literature, limit the problem, and explore technical difficulties involved in the pursuit of the research for the master's degree.
<i>Buschang & Faculty</i> Max. 5 qtr. hrs. |
| 5V11 | CEPHALOMETRICS AND RADIOLOGY I/History and development of cephalometric theory and techniques.
<i>Aubrey</i> 1-2 qtr. hrs. | 5V99 | THESIS/For degree candidates only; credit for the major problem and thesis must total 10 qtr. hrs., based on quality and quantity of work done.
<i>Buschang & Faculty</i> Max. 5 qtr. hrs. |
| 5V21 | ORTHOGNATHIC SURGERY I/Clinical evaluation and diagnosis of patients requiring orthognathic treatment.
<i>Collins, Jacobs</i> 1-2 qtr. hrs. | | |

GRADUATE AND POSTGRADUATE PROGRAMS

PEDIATRIC DENTISTRY

Professor N. Sue Seale, *Chair*
Associate Professor Wilson

Graduate Program (M.S. with Thesis)
110 quarter hours minimum
27-30 months minimum

Postgraduate Program (Certificate)
92 quarter hours minimum
24 months minimum
Programs may be combined.
Starting Date: July

Program Objectives

The program objectives are:

- To produce a graduate who is confident and competent in all aspects of clinical pediatric dentistry, including state-of-the-art techniques of patient management and preventive, restorative, interceptive orthodontic, emergency care, practice management, and communication skills
- To produce a graduate who will be well-versed in all aspects of hospital and institutional dentistry, including team management of medically, emotionally, mentally, and/or physically compromised patients
- To produce a graduate who will have the ability to critically evaluate research literature and have the inquiring attitude necessary to pursue advancement in the practice, research, and teaching of pediatric dentistry

Curriculum

FIRST QUARTER

		Clock Hours	Credit Hours	
PD	5442	Orientation	42	4
PD	5110	Cephalometrics	14	1
PD	5201	Child Development	14	2
PD	5326	Pulp Therapy	14	3
PHA	5214	Clinical Pharmacology	22	2
PD	5146	Hospital Dentistry	14	1
PD	5V34	Clinical Pediatric Dentistry	112	1
		Total	232	14

SECOND QUARTER

PD	5306	Behavior Management	24	3
BMS	5303	Applied Medical Physiology	36	3
PD	5220	Diagnostic Strategies	24	2
CS	5218	Conscious Sedation	24	2
PD	5V34	Clinical Pediatric Dentistry	72	2
		Total	180	12

THIRD QUARTER

BMS	5V33	Head and Neck Anatomy	24	2
PD	5328	Traumatic Injuries	24	3
BMS	5210	Growth and Development	24	2
PD	5112	Appliance Construction	24	1
PD	5V34	Clinical Pediatric Dentistry	72	2/3(MS)
		Total	168	10/11(MS)

FOURTH QUARTER

PD	5212	Mixed Dentition	24	2
PD	5316	Principles of Pediatrics	36	3
PD	5262	Neurologically Handicapped	14	2
PD	5V34	Clinical Pediatric Dentistry	72	3/4(MS)
		Total	194	10/11(MS)

PEDIATRIC DENTISTRY

GRADUATE AND POSTGRADUATE PROGRAMS

FIFTH QUARTER

			Clock Hours	Credit Hours
PD	5205	Practice Management	18	2
CS	5470	Research Methodology	36	4(MS)
PD	5213	Tooth/Arch Size Discrepancies	18	2
PD	5V34	Clinical Pediatric Dentistry	48	4
Total			84(120)	8/12(MS)

SIXTH QUARTER

PD	5214	Orthodontics and the TMJ	24	2
*CS	5214	Scientific Writing	24	2 (MS)
CS	5222	Biostatistics	24	2
ORT	5231	Growth and Development II	24	2
PD	5V34	Clinical Pediatric Dentistry	60	4
PD	5221	Pediatric Oral Pathology	24	2
Total			156(180)	12/14(MS)

SEVENTH QUARTER

PD	5330	Birth Defects	24	3
PD	5215	Minor Tooth Movements	24	2
PD	5329	Board Review	24	3
PD	5V34	Clinical Pediatric Dentistry	60	4
Total			132(156)	12

EIGHTH QUARTER

PD	5327	Periodontics	24	3
PD	5344	Orthodontic Overview	24	3
PD	5620	Clinical Anesthesia	252	6
PD	5V34	Clinical Pediatric Dentistry	24	2
Total			324	14
			Total Certificate Hours 92	100(MS)

NINTH QUARTER

PD	5V98	Research for Master's Thesis	157	5 (MS)
PD	5V99	Thesis	157	5 (MS)
Total			314	10 (MS)
Total Master's Hours 110				

* Starred courses and hours in parentheses are for degree candidates only.

COURSE DESCRIPTIONS

5110 CEPHALOMETRICS/Cephalometric tracing techniques are taught in addition to radiographic technique. Anatomical and cephalometric landmarks are used for evaluating skeletal and dental relationships used in evaluation of malocclusions and their subsequent treatment.
Staff 1 qtr. hr.

5112 APPLIANCE CONSTRUCTION/Basic techniques of wire bending, soldering and welding are taught for the construction of standard fixed and removable appliances.
Staff 1 qtr. hr.

5146 PROTOCOL AND DOCUMENTATION OF HOSPITAL DENTISTRY/Hospital protocol and record keeping to familiarize the student with the requirements of hospital staff membership: emphasis on problem solving in patient care and documentation for treatment delivered in the hospital.
Staff 1 qtr. hr.

5201 CHILD DEVELOPMENT/Review of normal physical, social, cognitive and emotional development of children through age eight; guest lectures on aberrations from

PEDIATRIC DENTISTRY

GRADUATE AND POSTGRADUATE PROGRAMS

- normal and how to deal with the child patient as an individual.
Staff 2 qtr. hrs.
- 5205 PRACTICE MANAGEMENT/Lectures and demonstrations of the major components of organizing and managing a private pediatric dental practice; book keeping, office design and financial planning.
Staff 2 qtr. hrs.
- 5212 MIXED DENTITION/Orthodontic problems in the developing dentition; introduction to the clinical processes used to correct these problems.
Staff 2 qtr. hrs.
- 5213 TOOTH/ARCH SIZE DISCREPANCIES/Identification and treatment of crowding and spacing problems associated with tooth/arch size discrepancies in the developing dentition.
Staff 2 qtr. hrs.
- 5214 ORTHODONTICS AND THE TMJ/Identification and treatment of problems of the developing facial complex that affect abnormally the temporomandibular joint complex.
Staff 2 qtr. hrs.
- 5215 MINOR TOOTH MOVEMENT/Recognition of skeletal problems of the early and late mixed dentition; identification of treatment options.
Staff 2 qtr. hrs.
- 5220 DIAGNOSTIC STRATEGIES/Record taking techniques for diagnosing the patient's orthodontic status.
Staff 2 qtr. hrs.
- 5221 PEDIATRIC ORAL PATHOLOGY/A two-hour course designed to familiarize the student with oral conditions affecting the child and adolescent. Emphasis will be on clinical recognition and treatment.
Webb 2 qtr. hrs.
- 5262 DENTISTRY FOR THE NEUROLOGICALLY HANDICAPPED/Multidisciplinary approach to the management of children with neurological handicaps.
Staff 2 qtr. hrs.
- 5306 BEHAVIOR MANAGEMENT/Psychological and sociological principles of behavior; non-pharmacological and pharmacological methods of behavior management, review of current and classic literature.
Wilson 3 qtr. hrs.
- 5316 PRINCIPLES OF PEDIATRICS/Physical examination and history taking for the child patient; disease mechanisms of special interest to the pediatric dentist; course is given in conjunction with the Department of Pediatrics of Children's Medical Center, clinical experience under the supervision of the Director of Clinics.
Staff 3 qtr. hrs.
- 5326 PULP THERAPY/Current and historical literature pertaining to pulp therapy; discussion and evaluation of aspects of treatment of both the permanent and the primary dentitions.
Seale 3 qtr. hrs.
- 5327 PERIODONTICS/Periodontal diseases in children, adolescents, and teenagers; etiology, disease processes, and treatment; emphasis on juvenile periodontics, gingival hyperplasias, and surgical and nonsurgical treatment.
McWhorter 3 qtr. hrs.
- 5328 TRAUMATIC INJURIES/Epidemiology, diagnosis, and treatment of traumatic injuries to the orofacial complex; in-depth study of the young permanent dentition and the primary dentition; review of relevant literature.
Wilson 3 qtr. hrs.
- 5329 BOARD REVIEW/All literature designated on the reading list of the American Board of Pediatric Dentistry; preparation of the second year graduate student for the written section of the examination.
McWhorter 3 qtr. hrs.
- 5330 BIRTH DEFECTS/Presentations by guest speakers from various specialties relating to treatment and counseling of patients with birth defects and their families; craniofacial surgery, genetic counseling, speech pathology, and psychology of family dynamics; review of neurologically handicapped diseases and syndromes.
Seale, Staff 3 qtr. hrs.
- 5344 ORTHODONTIC OVERVIEW/Diagnosis, treatment, and follow-up of malocclusion in the primary, mixed, and young permanent dentition.
Staff 3 qtr. hrs.

GRADUATE AND POSTGRADUATE PROGRAMS

- 5442 ORIENTATION/Familiarization of new graduate students with the four dental and hospital facilities through which they will rotate; clinic policies and experiences; overview of departmental guidelines on behavior management, treatment of trauma, pulp therapy, and restorative dentistry.
Seale, Staff 4 qtr. hrs.
- 5620 CLINICAL ANESTHESIA/Rotation by second-year students through the anesthesia service at Texas Scottish Rite Hospital, observation and performance of anesthetic procedures on children having surgery under general anesthesia; emphasis on monitoring of physiological function and airway maintenance.
Hospital Anesthesiology Staff 6 qtr. hrs.
- 5V34 CLINICAL PEDIATRIC DENTISTRY/Clinical application and experience in all areas of pediatric dentistry rotation through Children's Medical Center, Denton State School, Texas Scottish Rite Hospital for Crippled Children and Baylor College of Dentistry; dental treatment of children with medical, physical, and mental handicaps; modes of behavior management; students may register for 1 to 4 quarter hours for each quarter.
Seale 1-4 qtr. hrs.
- 5V98 RESEARCH FOR THE MASTER'S THESIS/Activity to establish a research problem, search the literature, limit the problem, and explore technical difficulties involved in the pursuit of the research for the master's degree.
Seale, Staff Max. 5 qtr. hrs.
- 5V99 THESIS/Credit awarded for the writing and completion of the thesis in acceptable form; for degree candidates only.
Seale, Staff Max. 5 qtr. hrs.

PERIODONTICS

Professor Terry D. Rees, *Chair*
 Assoc. Prof. William W. Hallmon,
Program Director
 Clinical Professor Allen
 Associate Professors Bookatz, Glass,
 Israelson, McQuade, Plemons,
 Rivera-Hidalgo
 Assistant Professors Al-Hashimi, Cutler,
 Dean, Gibson, Harrel, Krayner, Orth,
 Plemons, Stanford

Graduate Program (M.S. with Thesis):
 182 quarter hours minimum
 36 months minimum
 Starting Date: July

Postgraduate Program (Certificate):
 Runs concurrently with Masters/Thesis degree
 program
 177 quarter hours minimum
 36 months minimum
 Starting Date: July

Program Objectives

The program objectives are:

- To thoroughly prepare the student for the clinical practice of periodontics and for the American Board of Periodontology Certification Examination
- To provide the student with information in the basic sciences as a foundation for understanding the literature and adapting future advances in periodontology into clinical practice
- To provide the student with basic training in teaching and research so that these fields will be an option
- To provide the student with diagnostic and management skills in stomatology
- To prepare the student to work closely with general dentists and other dental specialties to the end that patients receive optimal care
- To motivate the student to continue scholarly pursuits after graduation by following the literature, attending continuing education courses, and attending professional meetings

Curriculum

FIRST YEAR

FIRST QUARTER (SUMMER)

			Clock Hours	Credit Hours
PER	5031	Journal Club	22	0
PER	5110	Clinical Stomatology I	44	1
PD	5146	Hospital Dentistry	12	1
PER	5201	Periodontics I	16.5	2
PER	5211	Periodontal Therapy	22	2
PHA	5214	Clinical Pharmacology	22	2
PER	5224	Periodontal Literature Review I	24	2
CS	5233	Physical Diagnosis	16.5	2
PER	5264	Occlusion Lab	33	2
CS	5470	Research Methodology	16.5	4
			Total 228.5	18

SECOND QUARTER (FALL)

PER	5031	Journal Club	22	0
PER	5110	Clinical Stomatology I	44	1
PER	5162	Occlusion Clinic	22	1
PER	5201	Periodontics I	16.5	2
PER	5211	Periodontal Therapy	22	2
CS	5214	Scientific Writing	22	2
CS	5218	Conscious Sedation	22	2
CS	5222	Biostatistics	16.5	2
PER	5224	Periodontal Literature Review I	24	2
BMS	5303	Applied Medical Physiology	38.5	3
PER	5304	Clinical Periodontics	132	3
			Total 381.5	20

GRADUATE AND POSTGRADUATE PROGRAMS

THIRD QUARTER (WINTER)

		Clock Hours	Credit Hours
PER 5031	Journal Club	22	0
PER 5110	Clinical Stomatology I	44	1
PER 5201	Periodontics I	16.5	2
BMS 5211	Immunology	22	2
PER 5212	Periodontal Therapy	22	2
PER 5213	Dental Implants	24	2
BMS 5214	Advanced Oral Histology	22	2
PER 5224	Periodontal Literature Review I	24	2
PER 5304	Clinical Periodontics	132	3
BMS 5V33	Head and Neck Anatomy	16.5	2
PER 5V98	Research for the Master's Thesis	78	3
		Total 423	21

FOURTH QUARTER (SPRING)

PER 5030	Dermatology Seminar (every third year)	*	0
PER 5031	Journal Club	22	0
PER 5032	Endo/Perio Seminar (every third year)	12	0
PER 5110	Clinical Stomatology I	44	1
PER 5201	Periodontics I	16.5	2
PER 5224	Periodontal Literature Review I	24	2
PER 5304	Clinical Periodontics	99	3
CS 5V01	Advanced Oral Pathology	22	2
BMS 5V03	Oral Microbiology	33	3
PER 5V98	Research for Master's Thesis	78	3
		Total 336.5	16

SECOND YEAR

FIFTH QUARTER (SUMMER)

PER 5031	Journal Club	22	0
PER 5111	Clinical Stomatology II	44	1
PER 5207	Periodontics II	16.5	2
PER 5221	Practice Teaching	60.5	2
PER 5227	Periodontics Literature Review II	24	2
PER 5310	Advanced Clinical Periodontics	82.5	3
PER 5432	Clinical Anesthesia for the Periodontist (one resident per month full-time hospital anesthesia)	198	4
PER 5V98	Research for the Master's Thesis	48	2
		Total 495.5	16

SIXTH QUARTER (FALL)

PER 5031	Journal Club	22	0
PER 5035	Ortho/Perio Seminar I (every third year)	11	0
PER 5111	Clinical Stomatology II	44	1
PER 5207	Periodontics II	16.5	2
PER 5221	Practice Teaching	77	2
PER 5227	Periodontics Literature Review II	24	2
PER 5310	Advanced Clinical Periodontics	170.5	3
PER 5V98	Research for the Master's Thesis	70	3
		Total 435	13

SEVENTH QUARTER (WINTER)

PER 5031	Journal Club	22	0
PER 5111	Clinical Stomatology II	44	1
PER 5115	Periodontal Plastic Surgery	16.5	1
PER 5207	Periodontics II	16.5	2
PER 5214	Advanced Dental Implants	18	2
CS 5221	Internal Medicine	16.5	2
PER 5221	Practice Teaching	60.5	2
PER 5227	Periodontics Literature Review II	24	2
PER 5310	Advanced Clinical Periodontics	148.5	3
PER 5V98	Research for the Master's Thesis	48	2
		Total 414.5	17

GRADUATE AND POSTGRADUATE PROGRAMS

EIGHTH QUARTER (SPRING)

		Clock Hours	Credit Hours
PER 5031	Journal Club	22	0
PER 5066	Mock Board Examination I	8	0
PER 5111	Clinical Stomatology II	44	1
PER 5207	Periodontics II	16.5	2
PER 5221	Practice Teaching	77	2
PER 5227	Periodontics Literature Review II	24	2
CS 5291	Human Behavior in Dentistry	16.5	2
PER 5310	Advanced Clinical Periodontics	148.5	3
PER 5V98	Research for the Master's Thesis	32	1
		Total 388.5	13

THIRD YEAR

NINTH QUARTER (SUMMER)

PER 5065	VA Hospital Rotation Each resident will spend one quarter block(up to 1 day/week) at the Dallas VA Medical Center.	88	0
PER 5031	Journal Club	22	0
PER 5112	Advanced Clinical Stomatology	22	1
PER 5221	Practice Teaching	77	2
PER 5228	Periodontal Literature Review III	24	2
PER 5411	Advanced Clinical Periodontics II	105	4
PER 5V98	Research for the Master's Thesis	40	2
		Total 378	11

TENTH QUARTER (FALL)

PER 5031	Journal Club	22	0
PER 5112	Advanced Clinical Stomatology	22	1
PER 5221	Practice Teaching	60.5	2
PER 5228	Periodontal Literature Review III	24	2
PER 5335	Periodontic Histopathology	33	3
PER 5411	Advanced Clinical Periodontics II	130	4
PER 5V99	Thesis Preparation	130	1
		Total 421.5	13

ELEVENTH QUARTER (WINTER)

PER 5031	Journal Club	22	0
PER 5105	Specialty Practice Management	16.5	1
PER 5112	Advanced Clinical Stomatology	22	1
PER 5221	Practice Teaching	77	2
PER 5228	Periodontal Literature Review III	24	2
PER 5335	Periodontic Histopathology	33	3
PER 5411	Advanced Clinical Periodontics II	154	4
PER 5V99	Thesis Preparation	154	1
		Total 502.5	14

TWELFTH QUARTER (SPRING)

PER 5031	Journal Club	22	0
PER 5067	Mock Board Examination II	8	0
PER 5112	Advanced Clinical Stomatology	22	1
PER 5221	Practice Teaching	77	2
PER 5228	Periodontal Literature Review III	16.5	2
PER 5411	Advanced Clinical Periodontics II	200	4
PER 5V99	Thesis Preparation	200	1
		Total 545.5	10

GRADUATE AND POSTGRADUATE PROGRAMS**COURSE DESCRIPTIONS**

- 5030 DERMATOLOGY SEMINAR/A review of basic dermatologic terminology, common cutaneous diseases and their treatment. Every third year.
Staff Dermatologist 0 qtr. hrs.
- 5031 JOURNAL CLUB/Course reviews current periodontal literature and encompasses analytical review and abstraction of articles. Periodic case presentations and surgical management allows translation of current periodontal principles to clinical patient care.
Hallmon 0 qtr. hrs.
- 5032 ENDO/PERIO SEMINAR/Seminar for first- and third-year graduate students from both Periodontics and Endodontics; lesions of periodontal and endodontic origin; wound healing, surgical techniques; discussion of the combined endo/perio lesion. Every third year.
Endo/Perio Staff 0 qtr. hrs.
- 5035 ORTHO/PERIO SEMINAR/Diagnosis and treatment of basic orthodontic problems; force vectors; mechanical applications with various orthodontics systems; clinical management of combined periodontic/orthodontic cases and esthetic correction of mucogingival cases. Joint treatment of actual cases.
Ortho/Perio Staff 0 qtr. hrs.
- 5065 VA HOSPITAL ROTATION/A three-month rotation at the Dallas VA Hospital Dental Clinic treating medically compromised dental patients. Diagnosis, treatment planning and consultation with physicians are emphasized. Performing implant therapy for surgical deformities is a primary objective of this rotation. Supervised by Baylor faculty. One resident each quarter.
Hallmon 0 qtr. hr.
- 5066 MOCK BOARD EXAMINATION I/Prepares students for certification by the American Board of Periodontology. Includes case write-up, presentation and comprehensive oral examination.
Hallmon 0 qtr. hrs.
- 5067 MOCK BOARD EXAMINATION II/Prepares students for certification by the American Board of Periodontology. Includes case write-up, presentation and defense, and comprehensive oral and written examination.
Hallmon 0 qtr. hrs.
- 5105 SPECIALTY PRACTICE MANAGEMENT/A series of lectures coupled with actual office visit experiences to expose the student to current contemporary modes of practice administration. Personnel leadership, generalities of billing and collection, and integration of computers into the dental office are covered. Establishing and marketing a practice and financial planning will be discussed.
Harrel, Allen, Israelson 1 qtr. hr.
- 5110 CLINICAL STOMATOLOGY I/Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions, and laboratory studies is stressed through close interaction with the medical community. Students register for four(4) quarters for a total of four (4) quarter hours.
Rees, Plemons 1 qtr. hr./qtr.
- 5111 CLINICAL STOMATOLOGY II/Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions, and laboratory studies is stressed through close interaction with the medical community. Students register for four(4) quarters for a total of four (4) quarter hours.
Rees, Plemons 1 qtr. hr./qtr.
- 5112 ADVANCED CLINICAL STOMATOLOGY/Emphasis is placed on the diagnosis and clinical management of patients with oral mucocutaneous diseases. Proper evaluation of medical histories, drug interactions, and laboratory studies is stressed through close interaction with the medical community. Students provide guidance in management of oral mucocutaneous diseases to selected pre-doctoral students and first-year graduate students. Students register for four (4) quarters for a total of four (4) quarter hours.
Rees, Plemons 1 qtr. hr./qtr.
- 5115 PERIODONTAL PLASTIC SURGERY/Lectures and seminars covering the diagnosis and treatment of esthetic and functional

GRADUATE AND POSTGRADUATE PROGRAMS

- gingival deformities. Recognizing normal and abnormal appearance and gingival discrepancies is stressed. Current techniques of grafting, shaping and sculpting tissues are taught. The techniques discussed are performed during clinical periodontics.
Allen 1 qtr. hr.
- 5162 OCCLUSION CLINIC/Review of the literature concerning occlusion and its relationship to periodontal disease; clinical evaluation and treatment of patients with occlusal disharmonies via occlusal adjustment.
Harrel 1 qtr. hr.
- 5201 PERIODONTICS I/Principles of the basic science of periodontology, including anatomy of the periodontium, and classification, etiology, and pathogenesis of periodontal diseases. Students register for up to four (4) quarters for a maximum of eight (8) quarter hours.
Rees 2 qtr. hrs./qtr.
- 5207 PERIODONTICS II/Prerequisite: Periodontics 5201. Advanced management of complex periodontal problems, including periodontal-prosthetic interrelationships; emphasis in systemic diseases and mucocutaneous conditions relating to the practice of periodontics. Students register for up to four (4) quarters for a maximum of eight (8) quarter hours.
Rees, Staff 2 qtr. hrs./qtr.
- 5211 PERIODONTAL THERAPY/An introduction to the clinical practice of periodontics. Diagnosis, prognosis, treatment planning, basic flap design, instrumentation, therapeutic approaches and suturing techniques are discussed. Oral hygiene methods and principles of oral hygiene instruction are also covered.
Hallmon 2 qtr. hrs.
- 5213 DENTAL IMPLANTS/Historical review of dental implants, including biologic principles, techniques and systems; diagnosis, interdisciplinary considerations, treatment planning and indications and contraindications for implants; wound healing for implants, including osseointegration, surgical techniques and implant maintenance.
Hallmon 2 qtr. hrs.
- 5214 ADVANCED DENTAL IMPLANTS/A lecture and clinical course covering advanced implant techniques. The radiographic examination, diagnosis, treatment planning and management of patients with jaw deformities, inadequate remaining bone, ridge augmentation requirements, including sinus lift procedures and complications will be reviewed.
Israelson 2 qtr. hrs.
- 5221 PRACTICE TEACHING/Lectures and clinical instruction involving contact with second-, third- and fourth- year dental students. Four (4) hours per week per quarter of clinical instruction, including diagnosis, treatment, and maintenance of periodontal patients. Students register for eight (8) quarters for a total of sixteen (16) quarter hours.
Staff 2 qtr. hrs./qtr.
- 5224 PERIODONTAL LITERATURE REVIEW I/ Review of periodontics literature from early classic articles to current publications; development of basis for various periodontal concepts; anatomy, epidemiology, etiology, diagnosis, pathogenesis, and therapy of periodontal diseases. Students register for four (4) quarters for a total of eight (8) quarter hours.
Hallmon 2 qtr. hrs./qtr.
- 5227 PERIODONTAL LITERATURE REVIEW II/ Continuation of Periodontal Literature Review I 5224. Students register for four (4) quarters for a total of eight (8) quarter hours.
Hallmon 2 qtr. hrs./qtr.
- 5228 PERIODONTAL LITERATURE REVIEW III/ A seminar series during the third year of residency. Students will learn to select and then research various contemporary topics and lead group discussions. Use of computer search technology and interlibrary facilities will be taught and utilized. Self-reliance and individual effort will be emphasized instead of school-provided reading lists as in PER5224 and PER5227. Students register for four (4) quarters for a total of eight (8) quarter hours.
Hallmon 2 qtr. hrs./qtr.
- 5264 OCCLUSION LAB/Concepts of occlusion related to periodontics, anatomy and func-

GRADUATE AND POSTGRADUATE PROGRAMS

tion of the masticatory system; management of temporomandibular joint dysfunction and adjustment of the natural dentition.

Staff 2 qtr. hrs.

- 5304 CLINICAL PERIODONTICS/Treatment and management of patients with various types and severities of periodontal diseases; emphasis on diagnosis, treatment planning, prognosis, and fundamental periodontal instrumentation skills; introduction of periodontal surgical techniques. Students register for three (3) quarters for a total of nine (9) quarter hours.
- Staff 3 qtr. hrs./qtr.

- 5310 ADVANCED CLINICAL PERIODONTICS/
Prerequisite: Clinical Periodontics 5304. Continuation of first year clinic; emphasis on management of advanced periodontal cases; complex surgical techniques with emphasis on pre-prosthetic and mucogingival surgery. Students register for four (4) quarters for a total of twelve (12) quarter hours.
- Staff 3 qtr. hrs./qtr.

- 5335 PERIODONTIC HISTOPATHOLOGY/Histopathologic study of the etiology and pathogenesis of periodontal diseases; seminars and laboratory exercises with block sections of human periodontium. Students register for two (2) quarters for a total of six (6) quarter hours.
- Rivera-Hidalgo 3 qtr. hrs./qtr.

- 5411 ADVANCED CLINICAL PERIODONTICS II/
A continuation of PER5310. More student autonomy and decision-making is required. Demonstration of surgical techniques to first- and second-year students is encouraged. Emphasis is placed on advanced implant and esthetic cases. Includes surgical cases done at the Dallas VA Medical Center, Children's Hospital, and Texas Scottish Rite Hospital. Students register for four (4) quarters for a total of sixteen (16) quarter hours.
- Staff 4 qtr. hrs./qtr.

- 5432 CLINICAL ANESTHESIOLOGY FOR THE PERIODONTIST/A one-month anesthesiology rotation supervised by personnel in the Department of Anesthesiology, Baylor University Medical Center operating room procedures; use of anesthetics; instruc-

tion in resuscitative procedures

Hospital Anesthesiology Staff 4 qtr. hrs.

- 5V98 RESEARCH FOR THE MASTER'S THESIS/
Activity to establish a research problem, search the literature, define and limit the problem, and explore technical difficulties involved in the pursuit of research for the Master's degree. Restricted to Master's degree candidates.
- Staff Max. 5 qtr. hrs.

- 5V99 THESIS PREPARATION/Credit awarded for the writing and completion of the thesis in acceptable form. Restricted to Master's degree candidates.
- Staff Max. 5 qtr. hrs.

GRADUATE AND POSTGRADUATE PROGRAMS

PROSTHODONTICS

Professor Ronald D. Woody, *Program Director*
 Professors Bolouri, Bullard, Miller
 Assistant Professors Bell, Guillen, Hudson, Hummel,
 Shaw
 Clinical Assistant Professors Barbash, Dahl, Pace

Postgraduate Program (Certificate):

100 quarter hours minimum
 24 months minimum
 Starting Date: June

Graduate Program (M.S. with thesis):

110 quarter hours minimum
 27-30 months minimum

Program Objectives

The program objectives are:

- To develop clinical proficiency in the disciplines of Prosthodontics, Complete Denture, Removable Partial Denture, Fixed Partial Denture, Maxillofacial Prosthetics, and Implant Prosthodontics
- To develop laboratory competence in Fixed and Removable Prosthodontics
- To provide relevant didactic course content in the basic sciences, prosthodontics, and related disciplines that will establish a firm foundation for clinical diagnosis and treatment
- To promote and provide research opportunities
- To provide clinical and laboratory teaching opportunities
- To develop a proficiency and background sufficient for examination by the American Board of Prosthodontists

Curriculum

FIRST QUARTER

		Clock Hours	Credit Hours
PRO 5210	Introduction to Prosthodontic Principles and Techniques	60	2
PRO 5112	Basic Occlusal Concepts & Waxing Techniques	24	1
PRO 5118	Review of Prosthodontics Literature	7	1
PRO 5V14	Clinical Prosthodontics	28	1
CS 5233	Physical Diagnosis	18	2
CS 5470	Research Methodology	32	4
PHA 5214	Clinical Pharmacology	22	2
	Total	191	13

SECOND QUARTER

PRO 5118	Review of Prosthodontic Literature	12	1
PRO 5222	Complete Denture Concepts & Techniques	36	2
PRO 5226	Occlusal Concepts & Techniques	36	2
PRO 5V14	Clinical Prosthodontics	276	3
PRO 5126	Related Disciplines Seminar	24	1
PRO 5136	Maxillofacial Prosthetics	12	1
CS 5222	Biostatistics	24	2
CS 5214	Scientific Writing	24	2
CS 5218	Conscious Sedation	24	2
	Total	468	16

THIRD QUARTER

PRO 5118	Review of Prosthodontic Literature	12	1
PRO 5232	Fixed Partial Denture Prosthetics	36	2
PRO 5226	Occlusal Concepts & Techniques	36	2
PRO 5V14	Clinical Prosthodontics	276	3
PRO 5126	Related Disciplines Seminar	24	1
PRO 5136	Maxillofacial Prosthetics	12	1
BMS 5V33	Head & Neck Anatomy	24	2
CS 5221	Internal Medicine	24	2
BMS 5210	Human Craniofacial Growth & Development (Audit)	24	0
	Total	480	15

PROSTHODONTICS

GRADUATE AND POSTGRADUATE PROGRAMS

FOURTH QUARTER

		Clock Hours	Credit Hours
PRO 5118	Review of Prosthodontic Literature	12	1
PRO 5240	Removable Partial Dentures Concepts and Techniques	36	2
PRO 5226	Occlusal Concepts and Techniques	36	2
PRO 5V14	Clinical Prosthodontics	276	3
PRO 5136	Maxillofacial Prosthetics	12	1
PRO 5126	Related Disciplines Seminar	24	1
CS 5V01	Advanced Oral Pathology	48	4
BMS 5V03	Oral Microbiology	36	3
		Total 480	17

FIFTH QUARTER

PRO 5118	Review of Prosthodontic Literature	21	1
PRO 5454	Advanced Clinical Prosthodontics	224	4
PRO 5112	Basic Occlusal Concepts and Waxing Techniques	24	1
		Total 269	6

SIXTH QUARTER

PRO 5118	Review of Prosthodontic Literature	12	1
PRO 5454	Advanced Clinical Prosthodontics	348	4
PRO 5226	Occlusal Concepts and Techniques	36	2
PRO 5232	Fixed Partial Denture Prosthetics	36	2
PRO 5126	Related Disciplines Seminar	24	1
PRO 5136	Maxillofacial Prosthetics	12	1
		Total 468	11

SEVENTH QUARTER

PRO 5118	Review of Prosthodontic Literature	12	1
PRO 5260	Implant Prosthodontics Concepts & Techniques	36	2
PRO 5226	Occlusal Concepts and Techniques	36	2
PRO 5126	Related Disciplines Seminar	24	1
PRO 5136	Maxillofacial Prosthetics	12	1
PRO 5454	Advanced Clinical Prosthodontics	348	4
		Total 468	11

EIGHTH QUARTER

PRO 5118	Review of Prosthodontic Literature	12	1
PRO 5222	Complete Dentures Concepts & Techniques	36	2
PRO 5226	Occlusal Concepts and Techniques	36	2
PRO 5126	Related Disciplines Seminar	24	1
PRO 5136	Maxillofacial Prosthetics	12	1
PRO 5454	Advanced Clinical Prosthodontics	348	4
		Total 468	11

NINTH QUARTER

PRO 5V98	Thesis Research	120	5*
PRO 5V99	Thesis	120	5*
		Total 240	0(10)

* Starred courses and hours in parentheses are for degree candidates only.

GRADUATE AND POSTGRADUATE PROGRAMS

COURSE DESCRIPTIONS

- 5112 BASIC OCCLUSAL CONCEPTS AND WAXING TECHNIQUES/Lecture/laboratory investigation of occlusal concepts and various occlusal waxing techniques; students register for a maximum of two quarters.
Woody, Staff 1 qtr. hr./qtr.
- 5118 REVIEW OF PROSTHODONTIC LITERATURE I/Detailed review of recently published literature on all subjects related to prosthodontics; students register for a maximum of eight quarters.
Woody 1 qtr. hr./qtr.
- 5126 RELATED DISCIPLINES SEMINAR/Presentations in the integrated specialty areas of Periodontics, Oral and Maxillofacial Surgery, Endodontics, Orthodontics, Dental Materials, Physiology, and other areas not covered in the core curriculum, material specifically related to prosthodontics; students register for a maximum of six quarters.
Staff 1 qtr. hr./qtr.
- 5136 MAXILLOFACIAL PROSTHETICS/Theories, concepts, and treatment modalities related to the maxillofacial patient; clinical lecture format; students register for a maximum of six quarters.
Dahl/Staff 1 qtr. hr./qtr.
- 5210 INTRODUCTION TO PROSTHODONTIC CONCEPTS AND TECHNIQUES/Assessment, development, and enhancement of diagnostic and clinical skills in prosthodontics; lecture/laboratory format, concepts in complete dentures and fixed partial dentures; porcelain laboratory techniques and applications.
Woody, Staff 2 qtr. hrs.
- 5222 COMPLETE DENTURE PROSTHODONTICS/Theories concepts, and treatment modalities in complete denture prosthodontics; students register for a maximum of two quarters.
Hummel/Staff 2 qtr. hrs./qtr.
- 5226 OCCLUSAL CONCEPTS AND TECHNIQUES/Lectures/clinic experience in occlusion related to treatment, use of associated instrumentation, and diagnosis and treatment of craniomandibular disorders; students register for a maximum of

- six quarters.
Woody, Staff 2 qtr. hrs./qtr.
- 5232 FIXED PARTIAL DENTURE PROSTHODONTICS/Theories, concepts, and treatment modalities in fixed partial denture prosthodontics; students register for a maximum of two quarters.
Woody, Staff 2 qtr. hrs./qtr.
- 5240 REMOVABLE PARTIAL DENTURE PROSTHODONTICS/Theories, concepts, and treatment modalities in removable partial denture prosthodontics.
Staff 2 qtr. hrs.
- 5260 IMPLANT PROSTHODONTICS/Implant concepts, designs, placement techniques, and clinical utilization; specific prosthodontic diagnosis and treatment concepts related to patient treatment.
Woody, Staff 2 qtr. hrs.
- 5434 ADVANCED CLINICAL PROSTHODONTICS/Diagnosis, management; and treatment of patients with complex prosthodontic problems by second year students; students register for a maximum of four quarters.
Staff 4 qtr. hrs./qtr.
- 5V14 CLINICAL PROSTHODONTICS/Diagnosis, management, and treatment of patients requiring prosthodontic care; patient selection and load determined by student aptitude and clinical competence; students register for a maximum of four quarters.
Staff 1-3 qtr. hrs./qtr.
- 5V98 RESEARCH FOR THE MASTER'S THESIS/Research on an original problem related to prosthodontics; students establish a research problem, search the literature, prepare and submit a research proposal, and test hypotheses with the necessary experimental and control procedures.
Staff Max. 5 qtr. hrs.
- 5V99 THESIS/Credit awarded for the writing and completion of the master's thesis in acceptable form.
Staff Max. 5 qtr. hrs.

PROSTHODONTICS



Contemporary health professions are marked by constant technological changes, innovations in health care delivery, new clinical procedures, and an ever-increasing social awareness. Such changes have accentuated the need for the professional to remain abreast of new developments by accepting the fundamental and lifelong responsibility for continuous study.

As a part of its obligation to the practicing profession, Baylor College of Dentistry vigorously supports continuing dental education and offers a full range of programs. Lectures, seminars, and clinical experiences about topics of current interest to dentists and dental auxiliaries are taught by Baylor faculty and other respected professionals.

Courses offered at Baylor cover all perspectives of the dental profession; the clinical fields, practice management, medical emergencies, dental hygiene, and basic sciences. Some courses may include subject matter of an experimental or controversial nature, offered for informational purposes in a spirit of academic freedom.

The entire sixth floor of Baylor College of Dentistry is designed for courses in continuing education. These dedicated facilities include a dental laboratory with thirty stations, and a twenty-chair clinic for use in participation courses. These facilities adjoin two lecture rooms which are equipped with state of the art audiovisual equipment for enhancement of presentations. Each course offered includes continental breakfast, lunch and dinner plus morning and afternoon breaks, served from the food service areas which are a part of the efficiency oriented facility.

The schedule offers over five hundred credit hours of continuing education per year. Approximately forty percent of those hours offered are participation, and nearly one-half of all courses offered are directed at the entire dental team. It is a goal of the department not only to educate the doctor, but also to provide for education of the team. This is accomplished by providing education for the team at the course or sending the doctor a video tape or other materials for education of the dental team in the office.

To accommodate those registrants in locations inconvenient to the metroplex area, the College offers some courses each year off campus. The Department of Continuing Education is also actively involved in preparing distance learning projects for distribution to all areas of the state. The first project is a workbook and video addressing Biohazard Control in the Dental Office. This package contains forms and information for a personal office training manual. There is also a self test for the entire office which yields continuing education credits and/or certification of mandatory OSHA training for the current year. Information regarding purchase of the manual (package) may be obtained by calling the Department of Continuing Education.

For information or the annual catalog, write to B. Ann Seals, Director of Continuing Education, Baylor College of Dentistry, P.O. Box 660677, Dallas, TX 75266-0677, or phone (214) 828-8238 or 1-800-856-8238.



*Baylor College of Dentistry recognizes
the need to support excellence in its
educational programs by recruiting and
retaining a highly qualified faculty.*

EMERITUS

- Carl Eugene Belk, B.A., B.S., D.D.S., Associate Professor Emeritus, Endodontics
- Jack G. Bishop, B.S., M.S., Ph.D., Associate Dean Emeritus
- Charles F. Bouschor, D.D.S., Professor Emeritus, Operative Dentistry
- Richard E. Bradley, B.S., D.D.S., M.S., President and Dean Emeritus
- William Paul Burch, B.A., D.D.S., M.A., Professor Emeritus, Pediatric Dentistry
- D. Lamar Byrd, D.D.S., M.S.D., Professor Emeritus, Oral and Maxillofacial Surgery
- Roy E. Daniel, D.D.S., Professor Emeritus, Removable Prosthodontics
- Roy L. Dorris, B.S., M.S., Ph.D., Professor Emeritus, Oral & Maxillofacial Surgery & Pharmacology
- Patrick J. Ferrillo, B.S., D.D.S., Professor Emeritus, Endodontics
- William H. Filler, D.D.S., Professor Emeritus, Removable Prosthodontics
- R. Paul Fultz, B.S., D.D.S., M.S., Professor Emeritus, Public Health Sciences
- Paul W. Goaz, B.S., D.D.S., M.S., Professor Emeritus, Diagnostic Sciences
- Clay A. Henry, B.S., D.D.S., Ph.D., Professor Emeritus, Biomedical Sciences
- John L. Hodges, B.A., Vice President Emeritus
- J. Bennett Hooker, B.S., M.S., D.D.S., Associate Professor Emeritus, Fixed Prosthodontics
- William C. Hurt, D.D.S., Professor Emeritus, Periodontics
- Joseph P. Lambert, D.D.S., Professor Emeritus, Removable Prosthodontics
- Max D. Largent, D.D.S., Associate Dean Emeritus
- Leon E. Lewis, B.S., D.D.S., Professor Emeritus, Oral Diagnosis-Oral Radiology
- Laurette F. Lipson, B.S., M.N.Ed., D.D.S. Hon., Associate Dean Emeritus
- William D. Love, D.M.D., M.P.H., Professor Emeritus, Public Health Sciences
- Nicholas H. Lund, B.A., D.D.S., Professor Emeritus, Fixed Prosthodontics
- Thayer C. Lyon, D.D.S., Ph.D., Professor Emeritus, Public Health Sciences
- Clarence Y. Murff, Jr., D.D.S., Professor Emeritus, Operative Dentistry
- John F. Nelson, B.S., D.D.S., M.Ed., Professor Emeritus, Department of Diagnostic Sciences
- Warren A. Parker, D.D.S., M.P.H., Professor Emeritus, Public Health Sciences
- Kenneth V. Randolph, B.S., D.D.S., President and Dean Emeritus
- Robert S. Staffanou, D.D.S., M.S., Professor Emeritus, Restorative Sciences
- Ruth Riley Swords, B.A., B.S., D.D.S., Professor Emeritus, Dental Hygiene
- Paul P. Taylor, D.D.S., M.S., Professor Emeritus, Pediatric Dentistry
- Martin J. Wagner, B.S., Ph.D., Professor Emeritus, Biomedical Sciences
- Daniel E. Waite, D.D.S., M.S., Assistant Dean Emeritus
- Thomas E. Winford, B.A., M.S., Associate Professor Emeritus, Microbiology

The use of the word "adjunct" identifies part-time basic science faculty, and "clinical" identifies part-time clinical faculty.

Ibtisam H. Al-Hashimi, Assistant Professor, Periodontics. B.D.S., University of Baghdad (Iraq); M.S., State University of New York at Buffalo; Ph.D., Ibid.

C. Moody Alexander, Clinical Professor, Orthodontics. B.A., Texas Tech University; D.D.S., University of Texas Health Science Center at Houston; M.S., Ibid; Diplomate of The American Board of Orthodontics.

R.G. Alexander, Clinical Professor, Orthodontics. B.A., Texas Tech University; D.D.S., University of Texas Health Science Center at Houston; M.S.D., Ibid; Diplomate of The American Board of Orthodontics.

Roger E. Alexander, Associate Professor and Director of Undergraduate Surgery Training & Clinics, Oral and Maxillofacial Surgery and Pharmacology. D.D.S., Marquette University; Certificate in Oral and Maxillofacial Surgery, U.S. Navy; Diplomate American Board of Oral and Maxillofacial Surgery.

E. Patrick Allen, Clinical Professor, Periodontics. D.D.S., Baylor College of Dentistry; Certificate in Periodontics, Ibid; Ph.D., Baylor University; Fellow, American College of Dentists.

Barbara D. Altshuler, Clinical Assistant Professor, Caruth School of Dental Hygiene. B.S., Columbia University; M.S., Ibid.

Charles J. Arcoria, Associate Professor, Restorative Sciences. B.A., Case Western Reserve University; D.D.S., Baylor College of Dentistry; M.B.A., University of Dallas.

H. Eldon Attaway, Clinical Associate Professor, Orthodontics. D.D.S., Baylor College of Dentistry; M.S.D., University of Nebraska; Diplomate of The American Board of Orthodontics.

Richard B. Aubrey, Clinical Associate Professor, Orthodontics. D.D.S., Baylor College of Dentistry; M.S.D., Baylor University; Diplomate of The American Board of Orthodontics.

William J. Babler, Associate Professor, Biomedical Sciences. B.A., University of Wisconsin; M.A., University of Michigan; Ph.D.; Ibid.

Frank L. Baker, Assistant Professor, General Dentistry. D.M.D., University of Louisville.

Bruce M. Barbash, Clinical Assistant Professor, Restorative Sciences. B.A., State University of New York; D.D.S., Case Western Reserve; Certificate in Prosthodontics and Maxillofacial Prosthetics, University of Texas, M.D. Anderson Cancer Center; Diplomate of The American Board of Prosthodontics.

Marc W. Barta, Adjunct Assistant Professor, Dental Jurisprudence, General Dentistry; B.F.A., Southern Methodist University; J.D., University of Texas at Austin.

Kenneth D. Bass, Clinical Associate Professor, Oral & Maxillofacial Surgery & Pharmacology. B.A., University of Connecticut; M.S., Ibid.; D.D.S., University of Maryland; Certificate in Oral & Maxillofacial Surgery, University of Pennsylvania; Diplomate, American Board of Oral and Maxillofacial Surgery.

James D. Bates, Clinical Assistant Professor, Oral and Maxillofacial Surgery and Pharmacological Sciences. D.D.S., University of Texas Health Science Center at Houston; Certificate in Oral and Maxillofacial Surgery, Ibid; M.D., Texas Tech University School of Medicine; Diplomate, American Board of Oral and Maxillofacial Surgery.

Colin S. Bell, Clinical Assistant Professor, Oral and Maxillofacial Surgery and Pharmacology. B.A., Southern Methodist University; D.D.S., Baylor College of Dentistry; M.S.D., Baylor University; Diplomate, American Board of Oral and Maxillofacial Surgery.

L. James Bell, Assistant Professor Restorative Sciences. B.A., University of California; D.D.S., Marquette University; Certificate in Prosthodontics, Brooke Army Medical Center; Diplomate of The American Board of Prosthodontics.

William H. Bell, Professor, Oral and Maxillofacial Surgery and Pharmacology. B.S., D.D.S., St. Louis University School of Dentistry; Oral and Maxillofacial Surgery, Metropolitan Hospital, New York and M.D. Anderson Hospital, Houston; Diplomate, American Board of Oral and Maxillofacial Surgery.

Larry L. Bellinger, Professor, Biomedical Sciences. B.S., University of California; Ph.D., Ibid.

Christine K. Beninger, Clinical Assistant Professor, Restorative Sciences. D.D.S., University of Southern California.

Byron W. Benson, Associate Professor, Oral and Maxillofacial Radiology, Diagnostic Sciences. D.D.S., University of Iowa; Certificate in Diagnostic Sciences and M.S., University of Texas Health Science Center at San Antonio; Diplomate of The American Board of Oral Medicine; Diplomate of The American Board of Oral and Maxillofacial Radiology.

Charles W. Berry, Professor, Biomedical Sciences. B.A., Hendrix College; M.S., Louisiana Tech University; Ph.D., Baylor University.

William H. Binnie, Professor and Chair, Diagnostic Sciences. B.D.S., University of Glasgow (Scotland); D.D.S., McGill University (Canada); M.S.D., Indiana University; F.R.C. Path; F.D.S. (Glasgow); Diplomate of The American Board of Oral Medicine.

Patricia L. Blanton, Adjunct Professor, Biomedical Sciences. B.A., Hardin-Simmons University; M.S., Baylor University; Ph.D., Ibid; D.D.S., Baylor College of Dentistry; Certificate in Periodontics, Ibid.

Timothy J. Bokmeyer, Assistant Professor, General Dentistry. D.D.S., University of Iowa.

Ali Bolouri, Professor, Restorative Sciences. D.M.D., Tehran University (Iran); D.D.S., University of Tennes-

see; Certificate in Prosthodontics, Emory University; Diplomate of The American Board of Prosthodontics.

Allan Bookatz, Adjunct Professor, Biomedical Sciences. B.A., Miami University (Ohio); M.D., Case Western Reserve University.

Barnett N. Bookatz, Clinical Associate Professor, Periodontics. B.S., Tulane University; D.D.S., Baylor College of Dentistry; M.S.D., Baylor University.

William H. Bowles, Associate Professor, Biomedical Sciences. B.A., LaSierra College; M.S., University of Arizona; Ph.D., Ibid; D.D.S., FAGD, Baylor College of Dentistry.

Patrick R. Brady, Clinical Assistant Professor, Orthodontics. D.D.S., University of Iowa; M.S.D., Ibid; Diplomate of The American Board of Orthodontics.

Ernestine Brooks, Assistant Professor, Restorative Sciences. D.D.S., Baylor College of Dentistry.

Bill R. Brown, Professor and Director, Oral Diagnosis, Diagnostic Sciences. B.S., Southern Methodist University; D.D.S., Baylor College of Dentistry.

Jesse T. Bullard, Professor and Chairman, Restorative Sciences. D.D.S., University of Tennessee; Certificate in Prosthodontics, Letterman Army Medical Center; Diplomate of The American Board of Prosthodontics.

Peter H. Buschang, Associate Professor, Orthodontics. B.A., University of Texas at Austin; M.A., Ibid; Ph.D., Ibid.

Patricia R. Campbell, Assistant Professor and Clinic Coordinator, Caruth School of Dental Hygiene. B.S., University of Southern Indiana; M.S., Old Dominion University.

David S. Carlson, Professor and Chairman, Department of Biomedical Sciences. B.A., University of Massachusetts; M.A., Ibid; Ph.D., Ibid; Postdoctoral, University of Michigan.

Keri Caves, Clinical Instructor, Caruth School of Dental Hygiene. B.S., Baylor College of Dentistry.

Robert A. Cederberg, Assistant Professor, Oral Radiology, Diagnostic Sciences. B.S., University of North Texas; M.A., Southern Methodist University; D.D.S., Baylor College of Dentistry.

Richard F. Ceen, Professor and Chair, Orthodontics. B.S., University of Tennessee; D.D.S., Ibid; Certificate in Orthodontics, Columbia University.

Elia Chacon, Adjunct Assistant Professor, Caruth School of Dental Hygiene. B.S., University of Texas at El Paso; M.Ed., Ibid.

Jun Young Cho, Associate Professor, Periodontics. D.D.S., Seoul National University (South Korea); Certificate in Periodontics, Baylor College of Dentistry.

Kevin E. Clark, Clinical Assistant Professor, General Dentistry. D.D.S., Baylor College of Dentistry.

Peter A. Cohen, Associate Dean for Academic Planning and Development; Professor, Public Health Sciences. A.B., University of California, Berkeley; M.A., San Diego State University; Ph.D., University of Michigan.

James S. Cole, Executive Vice President/Vice Dean; Professor, Restorative Sciences. B.S., Stephen F. Austin State University; D.D.S., Baylor College of Dentistry; Fellow, American College of Dentists.

Gary C. Coleman, Associate Professor, Oral Diagnosis, Diagnostic Sciences. D.D.S., University of Iowa; M.S., Ibid.; Diplomate of The American Board of Oral and Maxillofacial Radiology.

Monte K. Collins, Clinical Assistant Professor, Orthodontics. B.S., University of Texas at Arlington; D.D.S., Baylor College of Dentistry; M.S.D., Baylor University.

Cristie Columbus, Adjunct Instructor, Graduate Core. B.S., University of Texas at Austin; M.D., University of Texas Southwestern Medical Center, Dallas.

Biagio J. Cosentino, Clinical Professor, Oral and Maxillofacial Surgery and Pharmacology. D.D.S., Temple University; Certificate in Oral and Maxillofacial Surgery, United States Public Health Service.

Douglas R. Crosby, Clinical Associate Professor, Orthodontics. B.A., University of Texas at Austin; D.D.S., Baylor College of Dentistry; M.S.D., University of North Carolina; Diplomate of The American Board of Orthodontics.

Rodney Crow, Visiting Clinical Assistant Professor, Public Health Sciences. D.D.S., Baylor College of Dentistry; Diplomate, American Board of Forensic Odontology.

E. James Cundiff II, Associate Professor, Pathology, Diagnostic Sciences. D.D.S., Baylor College of Dentistry; M.S.D., Indiana University; Diplomate of The American Board of Oral Pathology.

Christopher W. Cutler, Assistant Professor, Periodontics and Biomedical Sciences; A.S., City University of New York; B.S., Florida Atlantic University; D.D.S., Emory University School of Dentistry; Ph.D. (Experimental Pathology) and Certificate in Periodontics, Emory University School of Medicine and School of Postgraduate Dentistry.

Eugene W. Dahl, Clinical Associate Professor, Restorative Sciences. B.S., Kent State University; D.D.S., Ohio State University; Certificate in Prosthodontics, University of Texas Health Science Center at Houston; Diplomate of The American Board of Prosthodontics.

Rodney J. Davenport, Clinical Assistant Professor, Oral Diagnosis, Diagnostic Sciences. B.S., University of Texas at Arlington; D.D.S., Baylor College of Dentistry.

D. Bradley Dean, Clinical Assistant Professor, Periodontics. D.D.S., Baylor College of Dentistry; Certificate in Periodontics, Ibid.

Jack F. Dean, Adjunct Assistant Professor, Biomedical Sciences. D.D.S., St. Louis University; B.S.D., Baylor College of Dentistry; Certificate in Oral and Maxillofacial Surgery, University of Texas Southwestern Medical Center at Dallas; Diplomate of The American Board of Oral and Maxillofacial Surgery.

Paul C. Dechow, Associate Professor, Biomedical Sciences. B.A., University of Pennsylvania; Ph.D., University of Chicago.

Julie Derrick, Clinical Instructor, Caruth School of Dental Hygiene. B.S., Baylor College of Dentistry.

Dominick P. DePaola, President and Dean; Professor, Public Health Sciences. B.S., St. Francis College in Brooklyn; D.D.S., New York University; Ph.D., Massachusetts Institute of Technology.

Becky A. DeSpain, Associate Professor, Public Health Sciences. B.S., Baylor College of Dentistry; M.Ed., University of Central Oklahoma.

Janice P. DeWald, Associate Professor, and Interim Director, Caruth School of Dental Hygiene. B.S., University of Iowa; D.D.S., Ibid.

Russell E. Dill, Professor, Biomedical Sciences. B.S., University of North Texas; M.S., Ibid.; Ph.D. University of Illinois.

Amy G. Douthitt, Assistant Professor, Restorative Sciences. B.A., University of Texas at Austin; D.D.S., Baylor College of Dentistry.

Carl D. Ellis, Assistant Professor, General Dentistry. B.S., University of Texas at Arlington; D.D.S., Baylor College of Dentistry.

Scott Ervin, Clinical Assistant Professor, Public Health Sciences. B.S., Abilene Christian University; D.D.S., Baylor College of Dentistry.

Patrick J. Ferrillo, Clinical Professor, Restorative Sciences. B.S., Stanford University; M.S., Yale University; D.D.S., St. Louis University College of Dentistry; Fellow, American College of Dentists; Fellow, International College of Dentists; Diplomate of the American Board of Endodontics.

Lars E. A. Folke, Professor, Public Health Sciences. L.D.S., University of Lund (Sweden); D.D.S., University of Minnesota; Certificate in Periodontology, Eastman Dental Center; M.S.D., University of Minnesota; Ph.D., Ibid.

Loy W. Frazier, Jr., Professor, Biomedical Sciences. B.S., University of Texas at Arlington; Ph.D., University of Texas Southwestern Medical Center at Dallas.

Neil L. Frederiksen, Associate Professor and Director, Oral and Maxillofacial Radiology, Diagnostic Sciences. B.S., University of Minnesota; D.D.S., Ibid; Ph.D., State University of New York at Buffalo; Diplomate of The American Board of Oral and Maxillofacial Radiology.

Howard Frysh, Assistant Professor, General Dentistry. B.D.S., University of Witwatersrand (South Africa); D.D.S., Baylor College of Dentistry.

Tommy W. Gage, Professor/Vice Chairman, Oral and Maxillofacial Surgery and Pharmacological Sciences. B.S., University of Texas at Austin; D.D.S., Baylor College of Dentistry; Ph.D., Baylor University.

George Y. Gaines, Visiting Clinical Associate Professor, Periodontics. B.S., Texas Christian University; M.D., University of Texas Southwestern Medical Center at Dallas; Diplomate of The American Board of Anesthesiology.

Allen I. Gallup, Assistant Clinical Professor, Pediatric Dentistry. D.D.S., Creighton University; M.S., Nebraska University; Certificate in Orthodontics, Baylor College of Dentistry.

Robert E. Gaylord, Clinical Professor, Orthodontics. D.D.S., Northwestern University; M.S.D, Ibid; Diplomate of The American Board of Orthodontics.

Edward R. Genecov, Clinical Professor, Orthodontics. B.A., University of Texas at Austin; D.D.S., Baylor College of Dentistry; Certificate in Orthodontics, Columbia University; Diplomate of The American Board of Orthodontics.

Dwight C. German, Adjunct Professor, Biomedical Sciences. B.A., Southern Methodist University; M.S., University of Oklahoma; Ph.D., University of Oklahoma Health Science Center.

Gretchen Gibson, Clinical Assistant Professor, Periodontics; D.D.S., Louisiana State University School of Dentistry; General Practice Certificate, Audie Murphy Memorial Veterans Hospital; Dental Geriatric Fellowship Certificate, Denver Veterans Affairs Medical Center.

Joseph A. Giovannitti, Jr., Adjunct Associate Professor, Oral and Maxillofacial Surgery and Pharmacology. B.S., University of Pittsburgh; D.M.D., Ibid; Certificate in Anesthesiology, University of Pittsburgh Medical Center.

Marcia J. Glass, Clinical Associate Professor, Periodontics. M.D., University of Sydney (Australia); Certificate in Dermatology, University of Texas Southwestern Medical Center at Dallas.

Gayle Glenn, Clinical Assistant Professor, Orthodontics. B.A., Texas Tech University; D.D.S., University of Texas Health Science Center at San Antonio; M.S.D., Baylor University. Diplomate of The American Board of Orthodontics.

Larry J. Goates, Clinical Assistant Professor, Orthodontics. B.A., Baylor University; D.D.S., Baylor College of Dentistry; M.S.D., Baylor University; Diplomate of The American Board of Orthodontics.

Paul W. Goaz, Clinical Professor Emeritus, Oral and Maxillofacial Radiology, Diagnostic Sciences. B.S., Oklahoma State University; M.S., University of Chicago; D.D.S., Loyola University (Chicago).

Janet Stone Gonzalez, Clinical Assistant Professor, Public Health Sciences. B.S., Amber University; D.D.S., Baylor College of Dentistry.

John T. Goodman, Clinical Associate Professor, Restorative Sciences. B.S., University of Texas at Arlington; D.D.S., Baylor College of Dentistry; Certificate in Prosthodontics, William Beaumont Army Medical Center; Diplomate of The American Board of Prosthodontics.

Lorenda L. Grace, Clinical Instructor, General Dentistry. D.D.S., Baylor College of Dentistry.

Guillermo E. Guillen, Assistant Professor, Restorative Sciences. D.D.S., University of Costa Rica; D.D.S., University of Missouri at Kansas City; Certificate in Fixed Prosthodontics, *Ibid.*; Certificate in Removable Prosthodontics, *Ibid.*; Diplomate of The American Board of Prosthodontics.

Ingrid Y. Guo, Assistant Professor, Public Health Sciences. B.S., Kaohsiung Teachers' College; M.S., Ohio State University; Ph.D., University of Southwestern Louisiana.

James L. Gutmann, Professor, Director, Endodontic Graduate Program, Restorative Sciences. D.D.S., Marquette University; Certificate in Endodontics, University of Illinois; Diplomate of The American Board of Endodontics.

Marylou S. Gutmann, Associate Professor, Caruth School of Dental Hygiene. A.S., University of Bridgeport; B.S., M.A., University of Maryland.

William W. Hallmon, Associate Professor, Director, Graduate Programs, Periodontics. B.S., University of Alabama; D.M.D., *Ibid.*; M.S., University of Texas Health Sciences Center, Houston; Certificate in Periodontics, Willford Hall USAF Medical Center; Diplomate of the American Board of Periodontology.

Deborah L. Hardy, Assistant Professor, Caruth School of Dental Hygiene. B.S., Old Dominion University; M.S., *Ibid.*

Stephen K. Harrel, Clinical Assistant Professor, Periodontics. B.A., Austin College; M.S., University of North Texas; D.D.S., Baylor College of Dentistry; Certificate in Periodontics, University of Oregon; Diplomate of The American Board of Periodontology.

Shawneequa Harris, Visiting Clinical Assistant Professor, Public Health Sciences. D.D.S., University of Texas Health Science Center at San Antonio; M.P.H., University of Texas Health Science Center at Houston.

John W. Harrison, Professor, Restorative Sciences. B.S., University of Alabama at Tuscaloosa; D.M.D., University of Alabama at Birmingham; M.S., Loyola University (Chicago); Diplomate of The American Board of Endodontics.

George A. Harvey, Clinical Assistant Professor, Restorative Sciences. B.S., University of Texas at Austin; D.D.S., University of Texas Health Science Center at Houston.

Thomas K. Hasegawa, Jr., Associate Professor, General Dentistry. B.A., Hastings College; D.D.S., University of Nebraska; M.A., *Ibid.*

Bryan N. Henderson II, Assistant Professor, Oral and Maxillofacial Surgery and Pharmacology. B.B.A., University of Texas at Austin; D.D.S., Baylor College of Dentistry; Certificate in Anesthesiology, Medical College of Pennsylvania.

James O. Henry, Jr., Director, Student Fellowship Program; Professor, General Dentistry. B.S., Baylor University; D.D.S., Baylor College of Dentistry; Fellow, American College of Dentists; Fellow, International College of Dentists.

Sharon D. Hill, Assistant Professor, Pediatric Dentistry. B.S., University of North Carolina at Charlotte; D.D.S., University of North Carolina at Chapel Hill; M.S., Baylor University.

Robert J. Hinton, Associate Professor, Biomedical Sciences. B.S., University of Tennessee; M.A., University of Michigan; Ph.D., *Ibid.*

Marvin Hirsh, Assistant Professor, Restorative Sciences. B.S., University of Illinois; D.D.S., *Ibid.*; Fellow, Academy of General Dentistry.

Charles R. Holt, Clinical Assistant Professor, Orthodontics. D.D.S., Baylor College of Dentistry.

Jeffrey D. Holt, Clinical Assistant Professor, Pediatric Dentistry. D.D.S., University of Oklahoma. M.S., Baylor University.

Joni S. Hopps, Clinical Instructor, Caruth School of Dental Hygiene. B.S., Baylor College of Dentistry.

Dean A. Hudson, Assistant Professor, Restorative Sciences. D.D.S., University of Texas; Certificate in Prosthodontics, Letterman Army Medical Center.

Susan K. Hummel, Assistant Professor, Restorative Sciences. B.S., University of Iowa; D.D.S., *Ibid.*; Certificate in Prosthodontics, Baylor College of Dentistry; Diplomate of the American Board of Prosthodontics.

Gregory A. Hunt, Clinical Assistant Professor, General Dentistry. D.D.S., University of Texas Health Science Center at San Antonio.

Bob Hutchins, Associate Professor, Biomedical Sciences. B.S., Eastern Illinois University; M.B.A., *Ibid.*; Ph.D., Tulane University.

Anthony M. Iacopino, Assistant Professor, Biomedical Sciences and Graduate Prosthodontics. B.A., Rutgers College; D.M.D., University of Medicine and Dentistry of New Jersey; Ph.D., *Ibid.*; Certificate in Prosthodontics, *Ibid.*

Hilton Israelson, Clinical Associate Professor, Periodontics. B.D.S., University of Witwatersrand (South Africa); Certificate in Periodontics, Tufts University; Diplomate of The American Board of Periodontology.

Leete Jackson, Clinical Associate Professor, Oral and Maxillofacial Surgery and Pharmacology. B.A., Texas Tech University; D.D.S., University of Texas Health Science Center at Houston; Certificate in Oral and Maxillofacial Surgery, University of Oklahoma; M.D., Texas Tech University.

Harmon V. Jacobs, Clinical Assistant Professor, Oral Diagnosis, Diagnostic Sciences. B.S., University of Texas at Arlington; D.D.S., Baylor College of Dentistry.

Joe D. Jacobs, Clinical Associate Professor, Orthodontics. D.M.D., University of Kentucky; M.S.D., *Ibid.*

Jesse D. Jenkins, Assistant Professor, General Dentistry. D.D.S., University of Texas Health Science Center at San Antonio.

Warren M. Jespersen, Clinical Associate Professor, Oral Diagnosis, Diagnostic Sciences. B.S., University of Oklahoma; D.D.S., Baylor College of Dentistry.

Jerry L. Jones, Clinical Assistant Professor, Oral & Maxillofacial Surgery & Pharmacology. D.D.S., Baylor College of Dentistry; M.S.D., *Ibid.*; M.D., University of New Mexico; Diplomate, American Board of Oral & Maxillofacial Surgery.

Erbin E. Jones, Clinical Assistant Professor, General Dentistry. B.S., University of Missouri at Kansas City; D.D.S., *Ibid.*; Certificate in Prosthodontics, University of Pittsburgh.

Jina L. Kaiser, Clinical Assistant Professor, Restorative Sciences. B.S., Texas Tech University; D.D.S., University of Texas Health Science Center at San Antonio; Certificate, General Practice Residency, Audie Murphy Memorial Hospital.

Gregory T. Kelly, Clinical Assistant Professor, Restorative Sciences. B.S., University of Texas; D.D.S., Baylor College of Dentistry.

Steven F. Kolb, Clinical Assistant Professor, Oral and Maxillofacial Surgery and Pharmacology. B.S., Texas A&M University; D.D.S., University of Texas Health Science Center at San Antonio; M.S.D., Baylor University.

Robert A. Kolstad, Professor, Biomedical Sciences. B.S., University of Minnesota; M.S., *Ibid.*; Ph.D., *Ibid.*

Joe W. Krayner, Clinical Assistant Professor, Periodontics. B.S., Southern Methodist University; B.A., *Ibid.*; D.D.S., University of Texas Health Science Center at San Antonio; M.S., Medical University of South Carolina; Diplomate of The American Board of Periodontology.

Gerard C. Kress, Jr., Professor and Director, Behavioral Sciences, Public Health Sciences. B.A., University of Rochester; Ph.D., State University of New York at Buffalo.

Peter Ku, Clinical Assistant Professor, General Dentistry. B.S., Purdue University; D.D.S., Baylor College of Dentistry.

Philip-John Lamey, Visiting Clinical Professor, Periodontics. B.S., University of Edinburgh (Scotland); B.D.S., *Ibid.*; D.D.S., *Ibid.*; M.B., University of Glasgow (Scotland). The Queen's University, Belfast (U.K.).

J. Steven Layton, Clinical Assistant Professor, Pediatric Dentistry. B.S., Baylor University; D.D.S., Baylor College of Dentistry; M.S.D., Baylor University.

Kevin Lee, Clinical Assistant Professor, Restorative Sciences. D.D.S., Baylor College of Dentistry.

Lauren Leonard, Clinical Instructor, Caruth School of Dental Hygiene. B.S., Idaho State University.

Ko-Yu Wu Lin, Clinical Assistant Professor, Pediatric Dentistry. B.D.S., Koahsiung Medical College (Taiwan, R.O.C.); M.S., Baylor University.

Katie P. Lippas, Clinical Assistant Professor, Restorative Sciences. B.S., Southern Methodist University; D.D.S., Baylor College of Dentistry.

Laurette F. Lipson, Consultant. B.S., St. Joseph College; M.N.Ed., University of Pittsburgh; D.D.S. Hon., Baylor College of Dentistry.

Alan S. Loewinsohn, Adjunct Assistant Professor, Dental Jurisprudence, General Dentistry. B.S., Northwestern University; J.D., University of Virginia.

Carla Lolocono, Assistant Professor, Caruth School of Dental Hygiene. B.S., Brockport University; M.S., Old Dominion University.

Jack L. Long, Director of Admissions, Recruitment and Academic Records; Assistant Professor, Restorative Sciences. B.A., University of Texas at Austin; D.D.S., Baylor College of Dentistry.

Joe B. Lumsden, Clinical Assistant Professor, Oral Diagnosis, Diagnostic Sciences. B.S., North Carolina State University; M.S., Wake Forest University; D.D.S., Baylor College of Dentistry.

Victoria A. Marker, Director of Faculty Development, Academic Planning and Development; Associate Professor, Biomaterials Science. B.A., University of Colorado; M.S., Northwestern University; Ph.D., *Ibid.*

Cora A. Marsaw, Clinical Assistant Professor, Periodontics. B.S., Texas Women's University; D.D.S., Baylor College of Dentistry; Certificate, Periodontics, University of Texas Health Sciences Center.

L. Kay Mash, Director of Student Affairs; Associate Professor, Restorative Sciences. B.A., University of Arkansas; D.D.S., University of Missouri at Kansas City.

Thomas M. Matthews, Clinical Professor, Orthodontics. B.S., University of Georgia; D.D.S., Baylor College of Dentistry; Diplomate of The American Board of Orthodontics.

Adrienne D. Mays, Clinical Assistant Professor, Oral Diagnosis, Diagnostic Sciences. B.S., Prairie View A&M University; D.D.S., Baylor College of Dentistry.

Ann L. McCann, Associate Professor, Caruth School of Dental Hygiene. B.S., University of Michigan; M.S., Mercy College of Detroit.

Sandra L. McCarthy, Assistant Professor, Restorative Sciences. D.D.S., Marquette University; Certificate in Prosthodontics, Baylor College of Dentistry.

Bradley A. McConnell, Clinical Assistant Professor, Restorative Sciences. B.A., Miami University (Ohio); D.D.S., Baylor College of Dentistry.

Alexander W. McCracken, Adjunct Professor, Pathology, Diagnostic Sciences. M.D., University of Glasgow (Scotland); F.R.C. Path; Diplomate of The American Board of Pathology.

Carla B. McIntosh, Clinical Instructor, Caruth School of Dental Hygiene. B.S., Baylor College of Dentistry.

James E. McIntosh, Assistant Professor, Biomedical Sciences. B.S., Colorado State University; M.S., Ibid; Ph.D., Ibid.

Thomas W. McKinney, Associate Professor, Restorative Science. B.S., Abilene Christian University; D.D.S., Baylor College of Dentistry.

Danette Hovenden McNew, Clinical Instructor, General Dentistry, D.D.S., Baylor College of Dentistry, B.B.A., Management, Baylor University.

Michael J. McQuade, Clinical Associate Professor, Periodontics. B.S., University of Oregon; D.D.S., Creighton University; M.S., Washington University; Diplomate of The American Board of Periodontology; Fellow, International College of Dentists; Fellow, American College of Dentists.

Alton G. McWhorter, Associate Professor, Pediatric Dentistry. B.A., Mississippi College; D.D.S., University of Tennessee; M.S., Baylor University.

M. Alan Menter, Visiting Clinical Professor, Periodontics. M.D., University of Witwatersrand (South Africa); Certificate in Dermatology, University of Pretoria (South Africa); Diplomate of The American Board of Dermatology.

Amp W. Miller III, Professor, Restorative Sciences. B.S., Southwestern University; D.D.S., Baylor College of Dentistry; Certificate in Prosthodontics, Ibid.

Barbara H. Miller, Assistant Professor, Biomaterials Science. B.S., Texas A&M University; D.D.S., Baylor College of Dentistry.

Edward G. Miller Jr., Professor, Biomedical Sciences. B.S., University of Texas at Austin; Ph.D., Ibid.

Debra Montgomery, Clinical Instructor, Caruth School of Dental Hygiene. B.S., Baylor College of Dentistry.

James W. Moore, Clinical Associate Professor, Orthodontics. B.A., University of North Texas; M.A., Ibid; D.D.S., Baylor College of Dentistry; M.S.D., Baylor University; Diplomate of The American Board of Orthodontics.

Michelle Morgan, Clinical Assistant Professor, Restorative Sciences. D.D.S., Baylor College of Dentistry.

Robert E. Morgan, Jr., Clinical Assistant Professor, Pediatric Dentistry. B.S., Texas A&M University; D.D.S., Baylor College of Dentistry; M.S.D., Baylor University.

Susan K. Moss, Clinical Instructor, Caruth School of Dental Hygiene. B.S., Texas Woman's University.

Kathleen B. Muzzin, Clinical Associate Professor, Caruth School of Dental Hygiene. B.S., Loyola University (Chicago); M.S., University of Missouri at Kansas City.

William R. Nail III, Visiting Clinical Associate Professor, Department of Public Health Sciences. B.A., Southern Methodist University; D.D.S., Baylor College of Dentistry; M.P.H., University of Texas Health Science Center, Houston.

Hiroshi Nakajima, Assistant Professor, Biomaterials Science. B.E., Keio University (Japan); D.D.S., Josai Dental University (Japan); Ph.D., Ibid.

Carlos F. Navarro, Visiting Clinical Assistant Professor, Orthodontics. D.D.S., University of Coahuila (Mexico); M.S.D., Baylor University; D.D.S., Baylor College of Dentistry.

Joseph T. Newman, Adjunct Associate Professor, Biomedical Sciences. B.A., St. Michael's College; M.S., University of Connecticut; Ph.D., University of Texas Health Science Center at San Antonio.

Charles W. Nichol, Clinical Associate Professor, Orthodontics. B.A., Southern Methodist University; D.D.S., Baylor College of Dentistry; M.S., St. Louis University.

Linda C. Niessen, Professor and Chairman, Public Health Sciences. D.M.D., Harvard University School of Dental Medicine; M.P.H., Harvard University; M.P.P., Ibid.; Diplomate, American Board of Dental Public Health.

Charles L. Oakes, Clinical Associate Professor, Orthodontics. D.D.S., Baylor College of Dentistry; Certificate in Orthodontics, Eastman Dental Center.

Toru Okabe, Professor and Chairman, Biomaterials Science. B.S., Waseda University (Japan); Ph.D., University of Florida.

Edwin P. Ornish, Clinical Assistant Professor, Oral Diagnosis, Diagnostic Sciences. D.D.S., Baylor College of Dentistry.

Charles F. Orth, Clinical Assistant Professor, Periodontics. B.A., Wichita State University; D.D.S., Creighton University; M.S.D.; Baylor University; Diplomate of The American Board of Periodontology.

Larry L. Pace, Clinical Assistant Professor, Restorative Sciences, Graduate Prosthodontics. B.S., University of Texas at Arlington; D.D.S., Baylor College of Dentistry; Certificate in Prosthodontics, Ibid; Diplomate of The American Board of Prosthodontics.

Laura Pall DeVengencie, Assistant Professor, Restorative Sciences; D.D.S. Ohio State University.

Miguel E. Palou, Clinical Assistant Professor, Periodontics; B.S., University of Puerto Rico; D.M.D., Ibid.; Certificate in Periodontics, United States Dental Activity, Ft. Gordon, GA; Diplomate of the American Board of Periodontology.

Melinda Parker, Clinical Assistant Professor, Restorative Sciences. B.S., Louisiana Tech. University; D.D.S., Baylor College of Dentistry.

Miro A. Pavelka, Clinical Assistant Professor, Oral and Maxillofacial Surgery and Pharmacology. B.S.,

Texas A&M University; M.S., Southern Methodist University; D.D.S. Baylor College of Dentistry; M.S.D. Baylor University; Diplomate, American Board of Oral and Maxillofacial Surgery.

Sandra M. Petrocchi, Clinical Assistant Professor, Pediatric Dentistry. B.S., University of Monterrey (Mexico); D.D.S., University of Nuevo Leon (Mexico); Certificate in Pediatric Dentistry, Columbia University.

David M. Phillips, Clinical Assistant Professor, Oral and Maxillofacial Surgery and Pharmacology. B.S., University of Houston; D.D.S., University of Texas Health Science Center at Houston; M.S., Ibid.; Diplomate, American Board of Oral and Maxillofacial Surgery.

Jacqueline M. Plemons, Associate Professor; Director, Undergraduate Studies, Periodontics; Assistant Director, Stomatology Center. D.D.S., Baylor College of Dentistry; M.S., Baylor University; Diplomate of the American Board of Periodontology.

A. Stanley Poll, Clinical Assistant Professor, Restorative Sciences. B.A., University of North Texas; D.D.S., Baylor College of Dentistry.

Michael A. E. Ramsay, Clinical Professor, Periodontics; L.R.C.P., M.R.C.S., M.B.B.S., The London Hospital Medical College, London University, England; M.D. licensure, State of Texas; Diplomate of the American Board of Anesthesiology.

Kathleen V. Rankin, Assistant Professor, Pathology, Diagnostic Sciences. B.A., University of Nevada; D.D.S., Baylor College of Dentistry.

Terry D. Rees, Professor and Chair, Periodontics; Director, Stomatology Center. D.D.S., University of Tennessee; M.S.D., Baylor University; Diplomate of The American Board of Periodontology; Diplomate, American Board of Oral Medicine; Fellow, American College of Dentists; Fellow, International College of Dentists.

Tres Reeves, III, Visiting Clinical Assistant Professor, Periodontics. B.A., University of Southern California; D.D.S., Ibid.; M.S., Baylor College of Dentistry.

Dale E. Rhodes, Clinical Assistant Professor, Restorative Sciences. B.S., Baylor University; D.D.S., Baylor College of Dentistry.

James E. Richardson, Visiting Clinical Assistant Professor, Public Health Sciences. D.D.S., Marquette University; M.S., University of Iowa; Ph.D., Ibid.

Francisco Rivera-Hidalgo, Associate Professor; Director of Research, Periodontics. B.S., University of Puerto Rico; D.M.D., Ibid.; M.S., George Washington University; Certificate in Periodontology, Letterman Army Medical Center.

Richard D. Roblee, Visiting Clinical Assistant Professor, Orthodontics and Restorative Sciences. B.S., University of Arkansas; D.D.S., Baylor College of Dentistry; M.S., Baylor University.

Rohit Sachdeva, Associate Professor, Orthodontics. B.D.S., University of Nairobi (Kenya); M.S.D., University of Connecticut.

Robert A. Sappington, Visiting Clinical Assistant Professor, Public Health Sciences. D.M.D., Medical University of South Carolina; M.P.H., University of North Carolina; Diplomate, American Board of Dental Public Health.

Emet D. Schneiderman, Associate Professor; Director, Research, Oral and Maxillofacial Surgery and Pharmacology. B.A., Northwestern University; M.A., Ibid.; Ph.D., University of Michigan.

S. Robert Schow, Professor and Director, Graduate Training Division, Oral and Maxillofacial Surgery and Pharmacology. D.M.D., University of Oregon; Certificate in Oral and Maxillofacial Surgery, Brooke Army Medical Center; Diplomate of The American Board of Oral and Maxillofacial Surgery.

N. Sue Seale, Professor and Chair, Pediatric Dentistry. B.A., Southern Methodist University; D.D.S., Baylor College of Dentistry; M.S.D., Baylor University; Diplomate of The American Board of Pediatric Dentistry.

Fredrick A. Shaw III, Assistant Professor, Restorative Sciences. Certificate, Dental Laboratory Technician; D.D.S., University of Tennessee; Certificate, Prosthodontics, VA Medical Center, Tennessee.

Jay D. Shulman, Associate Professor, Public Health Sciences. B.A., New York University; D.M.D., University of Pennsylvania; M.A., George Washington University; M.S.P.H., University of North Carolina; Diplomate of the American Board of Dental Public Health.

Douglas P. Sinn, Visiting Clinical Professor, Oral and Maxillofacial Surgery and Pharmacology. B.S., University of Iowa; D.D.S., Creighton University; Certificate in Oral and Maxillofacial Surgery, University of Texas Southwestern Medical Center at Dallas.

Richard J. Smith, Visiting Clinical Professor, Orthodontics. B.S., Brooklyn College; M.S., Tufts University; D.M.D., Ibid.; Certificate in Orthodontics, University of Connecticut; M.S. Philosophy, Yale University; Ph.D., Ibid.

Eric S. Solomon, Associate Vice President for Information Resources and Institutional Research, Associate Professor, Public Health Sciences. B.A., University of Maryland, College Park; D.D.S., University of Maryland at Baltimore; M.A., University of Maryland, College Park.

Glynn K. Solomon, Clinical Assistant Professor, Restorative Sciences. B.S., Baylor University; D.D.S., Baylor College of Dentistry.

Henry A. Spies, Jr., Visiting Clinical Assistant Professor, Oral Diagnosis, Diagnostic Sciences. B.S., East Texas State University; M.S., University of Alabama at Birmingham; D.D.S., Temple University.

Thomas W. Stanford, Assistant Professor, Periodontics. B.A., North Texas State University; D.D.S., University of Texas Dental Branch, Houston; M.S., George Washington University.

Richard A. Steele, Clinical Associate Professor, Periodontics. D.M.D., Tufts University; M.S.D., Baylor University.

Larry R. Stewart, Clinical Assistant Professor, Oral & Maxillofacial Surgery and Pharmacology. B.A., Austin College; D.D.S., Baylor College of Dentistry; M.S., University of Texas Health Science Center at Houston; Diplomate, American Board of Oral & Maxillofacial Surgery.

Susanne Holmgren Stewart, Clinical Instructor, General Dentistry. D.D.S., Baylor College of Dentistry; B.S., University of North Texas.

Devona R. Stiff, Clinical Instructor, Caruth School of Dental Hygiene. B.S., Texas Woman's University.

Ronald S. Stukalin, Clinical Assistant Professor, Periodontics. B.S., Texas A&M University; D.D.S., Baylor College of Dentistry; Certificate in Periodontics, Ibid., M.S., Ibid.

Mohsen Taleghani, Associate Professor and Chair, General Dentistry. D.M.D., Tehran University (Iran); Certificate in General Dentistry and Postdoctoral Fellow Certificate in General Dentistry, University of Alabama in Birmingham.

Alan N. Taylor, Associate Dean for Research and Advanced Education, Professor, Biomedical Sciences. B.S., The Ohio State University; M.S., Cornell University; Ph.D., Ibid.

Paul P. Taylor, Clinical Professor Emeritus, Pediatric Dentistry. D.D.S., Baylor College of Dentistry; M.S., University of Michigan; Diplomate of the American Board of Pediatric Dentistry.

Samuel E. Taylor, Associate Professor, Oral and Maxillofacial Surgery and Pharmacology. B.S., University of Alabama at Tuscaloosa; Ph.D., University of Alabama at Birmingham.

Gaylord S. Throckmorton, Adjunct Associate Professor, Biomedical Sciences. B.A., University of Kansas; Ph.D., University of Chicago.

Eddy Tidwell, Assistant Professor, Restorative Sciences. B.A., Western Washington University; D.M.D., University of Oregon; M.S., George Washington University.

Richard G. Tollefsbol, Assistant Professor, Oral Diagnosis, Diagnostic Sciences. B.S., University of Minnesota; D.D.S., Ibid.

R. Gilbert Triplett, Director for Hospital Affairs, Professor and Chairman, Oral and Maxillofacial Surgery and Pharmacological Sciences. D.D.S., Loyola University; Ph.D., Georgetown University. Diplomate, American Board of Oral and Maxillofacial Surgery.

Larry E. Tripp, Adjunct Instructor, Graduate Core. B.A., University of Colorado; M.D., Ibid.

Denise E. Turunen, Clinical Assistant Professor, Periodontics. B.S., University of Michigan; D.D.S., Ibid; M.S., Ibid.; Diplomate of The American Board of Periodontology.

James D. Utter, Assistant Professor, Restorative Sciences. B.S., University of Iowa; D.D.S., Ibid; Certificate in Prosthodontics, Baylor College of Dentistry.

Alejandra Villasenor, Assistant Professor, Pediatric Dentistry. D.D.S., Universidad Autonoma de Guadalajara; M.S., Baylor University.

Paul O. Walker, Associate Dean, Clinical Affairs, Professor, Pediatric Dentistry; D.D.S., Northwestern University Dental School; M.S., Indiana University; Diplomate of the American Board of Pediatric Dentistry.

William F. Wallace, Assistant Professor, General Dentistry; Director, Advanced Education in General Dentistry (AEGD); Director, Dental Services, Denton State School. B.S., The Ohio State University; D.D.S., Ibid.

Wendell P. Ward, Jr., Clinical Associate Professor, Periodontics. B.A., University of Texas at Austin; D.D.S., University of Texas, Health Science Center at Houston.

William F. Wathen, Associate Dean, External Affairs; Assistant Professor, General Dentistry. B.S., University of Kentucky; D.M.D., Ibid.

Michael D. Webb, Assistant Professor, Pediatric Dentistry. B.S., De Paul University; D.D.S., Northwestern University; Certificate in Pediatric Dentistry, Children's Hospital of Pittsburgh; Certificate in Dentistry Anesthesiology, University of Pittsburgh.

Linda M. Wells, Assistant Professor, Public Health Sciences. B.A., Temple University; D.M.D., Temple University School of Dentistry; M.P.P.M., Yale University School of Organization and Management.

Dean White, Clinical Assistant Professor, Oral and Maxillofacial Surgery and Pharmacology. D.D.S., University of Texas Health Sciences Center at Houston; M.S., Ibid.; Diplomate, American Board of Oral and Maxillofacial Surgery.

Robert B. Wiggs, Adjunct Associate Professor, Biomedical Sciences. B.S., East Texas State University; B.S., Texas A&M University; D.V.M., Ibid.

Claude R. Williams, Clinical Associate Professor, Orthodontics; Director, Minority Affairs. B.S., Howard University; D.D.S., Ibid; Certificate in Orthodontics, Ibid; Diplomate of The American Board of Orthodontics.

Craig E. Williams, Clinical Associate Professor, Oral and Maxillofacial Surgery and Pharmacological Sciences. D.D.S., Baylor College of Dentistry; Certificate in Oral and Maxillofacial Surgery, University of Texas Southwestern Medical Center at Dallas.

Fred E. Williams, Associate Professor, Biomedical Sciences. B.S., University of Texas at Arlington; Ph.D., Baylor University.

Carolyn F.G. Wilson, Associate Professor, Pediatric Dentistry. B.A., University of Texas at Austin; D.D.S., Baylor College of Dentistry; M.S.D., Baylor University.

Thomas Gates Wilson, Visiting Clinical Associate Professor, Periodontics. B.A., Hendrix College; D.D.S., University of Tennessee; Certificate in Periodontics, University of Washington; Diplomate of The American Board of Periodontology.

Brendan S. Wong, Associate Professor, Biomedical Sciences. B.S., University of San Francisco; M.A., Southern Illinois University; Ph.D., Ibid.

Wendy S. Woodall, Clinical Assistant Professor, General Dentistry. B.S., Stephen F. Austin State University; D.D.S., University of Texas Health Science Center at San Antonio.

Prentice Wayne Woods, Assistant Professor, Biomaterials Science and Restorative Sciences. B.S., University of Houston; D.D.S., Baylor College of Dentistry.

Ronald D. Woody, Professor; Director, Graduate Prosthodontics, Restorative Sciences. D.D.S., Marquette University; Certificate in Prosthodontics, Letterman Army Medical Center; Diplomate of The American Board of Prosthodontics.

John M. Wright, Professor and Director, Pathology Diagnostic Sciences. D.D.S., West Virginia University; M.S., Indiana University; Diplomate of The American Board of Oral Pathology; Diplomate of The American Board of Oral Medicine.

Ghazi Zaatari, Visiting Adjunct Associate Professor, Pathology, Diagnostic Sciences. B.S., University of Beirut (Lebanon); M.D., Ibid.; Diplomate of The American Board of Pathology. Methodist Medical Center, Dallas.

COMMUNITY — RURAL PRECEPTORSHIP PROGRAM

Among the extramural programs conducted by the College, a Community — Rural Preceptorship Program is offered as a selective course for fourth-year students. One week in the dental offices of faculty preceptors provides experience in the conduct and management of private dental practices.

Clinical Assistant Professors, Preceptorship Program

Department of Public Health Sciences

Dr. Zoel Allen, Perryton, TX
 Dr. Ray A. Ashcraft, Temple, TX
 Dr. O. Eugene Barrett, Jr., Huntsville, TX
 Dr. Morris Barrington, Lubbock, TX
 Dr. Barry Barteel, Lubbock, TX
 Dr. Kathleen Cordova, Las Cruces, NM
 Dr. Herbert F. Cross, Jr., Mount Pleasant, TX
 Dr. Moss Dickerson, Mineral Wells, TX
 Dr. Ralston B. Gober, Corsicana, TX

Dr. Johnny L. Greene, Mount Pleasant, TX
 Dr. Charles Hall, Temple, TX
 Dr. Thomas C. Harrison, Katy, TX
 Dr. George W. Hartley, Keams Canyon, AZ
 Dr. Darrell R. Hazle, Claremore, OK
 Dr. T. Henry Heid, Huntsville, TX
 Dr. Paul W. Johnson, Lubbock, TX
 Dr. A.B. Jordan, Jr., Lufkin, TX
 Dr. Ramsey Koschak, San Angelo, TX
 Dr. Robert Lepard, Muleshoe, TX
 Dr. Charles G. Lewis, Muleshoe, TX
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 Dr. Ben Malabanan, Jr., Dallas, TX
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 Dr. Larry W. Murph, Tyler, TX
 Dr. Charles Murrell, Las Cruces, NM
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 Dr. James G. Price, Corsicana, TX
 Dr. Ronald J. Rainosek, Harker Heights, TX
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 Dr. R. Britt Ruby, Tyler, TX
 Dr. David C. Schrupp, Ada, OK
 Dr. Robert A. Smith, Nacogdoches, TX
 Dr. Robert T. Smith, Roswell, NM
 Dr. Frank S. Tietz, Jr., Tyler, TX
 Dr. Bennett J. Vaculik, Sulphur Springs, TX
 Dr. Guy Waldron, Jr., Lindale, TX
 Dr. Harry S. Wilbur III, Dallas, TX
 Dr. Fred P. Willard, New Braunfels, TX
 Dr. Dale L. Williams, Hewitt, TX

*For further information concerning
 Dental, Dental Hygiene, Graduate and
 Postgraduate Programs write to:*

Office of Admissions and Records Baylor College of Dentistry

P.O. Box 660677
 Dallas, Texas 75266-0677
 (214) 828-8230

TRANSPORTATION TO BAYLOR COLLEGE OF DENTISTRY

Address: Baylor College of Dentistry

3302 Gaston Avenue
Dallas, TX 75246

From DFW Airport: Bus leaves from South Shuttle Lot. Take Bus #9 King Center to Gaston. Baylor is at corner of Gaston & Hall.

Love Field Airport: Take #9 King Center to Gaston. Baylor is at corner of Gaston & Hall.

DART City bus : 979-1111
DART Charge: .75 (includes transfer) Have correct change.

Super Shuttle: Blue Airport Super Shuttle vans depart regularly from every airport terminal for Downtown, Dallas. One way fare is approximately \$10.50.

Taxis: Cabs are readily available. The fare to the downtown area from DFW is approximately \$30.00/from Love Field, approximately \$7.00.

DALLAS EVENTS & ENTERTAINMENT

- January** **Dallas Boat Show - Market Hall**
The biggest single event of the year for thousands of Texas boaters.
(214) 749-5455
- March** **Dallas Blooms - The Dallas Arboretum**
Dallas really does bloom during this "coming out party" for all of the flowers of Texas.
(214) 327-8263
- April** **Mesquite Championship Rodeo - Mesquite Arena**
Come experience the spirit of the Western frontier with championship rodeo. The season runs through September.
(214) 285-8777
- May** **Scarborough Faire - Waxahachie**
A Renaissance Festival set in medieval times complete with jousters and damsels in distress. During the weekends through June.
(214) 938-1888
- Dallas Summer Musicals**
(214) 565-1116
- June** **Dallas Sidekicks**
(214) 653-0200

September**Dallas Cowboys***(214) 579-5000***Plano Balloon Festival, Plano**

Usually the last week in September, this event draws 80 to 100 hot air balloon participants. Entertainment, arts and crafts, and food round out this Plano tradition at Bob Woodruff Park.

*(214) 424-6373***October****State Fair of Texas, Fair Park**

The State Fair of Texas, the largest State Fair in the United States, with a Texas-sized serving of fun, food, rides and games.

*(214) 421-8713***Texas Longhorns vs. Oklahoma Sooners, Cotton Bowl**

One of the longest running rivalries in college football. The University of Texas and the University of Oklahoma compete in this annual shootout.

Jazz of the Americas: The 8th Latin Jazz Festival

Artist Square. A celebration of Latin American life and culture.

*(214) 953-1985***Dallas Stars***(214) 467-8277***Dallas Freeze***(214) 641-PUCK***November****Dallas Mavericks***(214) 748-1808***Cultural Activities**

Below are names and numbers of important cultural attractions that have special events throughout the year:

Ballet Dallas *(214) 748-3930*

Dallas Museum of Art *(214) 922-1200*

Dallas Opera *(214) 443-1043*

Dallas Symphony Orchestra *(214) 692-0203*

Science Place *(214) 428-5555*

Dallas Theater Center *(214) 526-8857*



