

**THE UNIVERSITY OF TEXAS  
HEALTH SCIENCE CENTER AT HOUSTON**

**THE SCHOOL OF DENTISTRY**

**2014-2016 CATALOG ADDENDUM**

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- I. Dental Hygiene Program

## **I. Dental Hygiene Program**

### **Page 139**

**CURRENT:** The goal of the Dental Hygiene Program is to provide the student with the opportunity to develop clinical competency and proficiency in preventive and therapeutic oral health skills, and to develop the personal characteristics of a professional attitude, ethical behavior, and dedication to community service and continuing education. The program provides the student with the opportunity to develop these entry-level dental hygiene skills through completion of either the two-year certificate or baccalaureate degree curriculum.

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### **Page 140**

**CURRENT:**  
**CRITERIA FOR ADMISSIONS**

Dental Hygiene applicants will be considered for admission upon satisfactory completion of the following requirements:

- Properly completed application along with required fees and documentation
- Must have graduated from an accredited high school or equivalent
- Completion of the following courses with a minimum grade of "C"

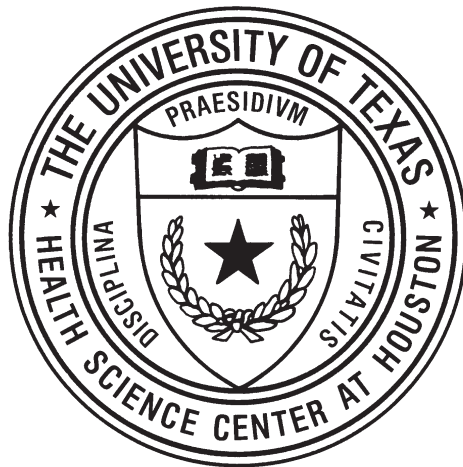
**ADD:**  
**CRITERIA FOR ADMISSIONS**

Dental Hygiene applicants will be considered for admission upon satisfactory completion of the following requirements:

- Properly completed application along with required fees and documentation
- Must have graduated from an accredited high school or equivalent
- Completion of the following courses with a minimum grade of "C"
- The Certificate program is a post-degree Certificate. Applicants for the Certificate program for the class starting in the fall of 2017 must have previously completed an associate or bachelor's degree prior to enrolling in the program.

# The University of Texas Health Science Center at Houston

## The School of Dentistry 2014 – 2016 Catalog



The University of Texas Health Science Center at Houston is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificate, undergraduate, masters, doctoral, and professional degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-40097 or call 404-679-4500 for questions about the accreditation of The University of Health Science Center at Houston.

This catalog is a general information publication only. It is not intended to nor does it contain all regulations that relate to students. Applicants, students, and faculty are referred to The University of Texas Health Science Center at Houston General Catalog. The provisions of this catalog and/or the General Catalog do not constitute a contract, express or implied, between any applicant, student or faculty member and The University of Texas School of Dentistry at Houston or The University of Texas System. The University of Texas School of Dentistry at Houston reserves the right to withdraw courses at any time, to change fees or tuition, calendar, curriculum, degree requirements, graduation procedures, and any other requirements affecting students. Changes will become effective whenever the proper authorities so determine and will apply to both prospective students and those already enrolled.

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## MESSAGE TO STUDENTS FROM DEAN JOHN A. VALENZA, DDS

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### Welcome to The University of Texas School of Dentistry (UTSD) at Houston!



Within this catalog, you'll find important information affecting almost every aspect of academic life – from course listings to scholarship offerings to criteria for graduation – and much, much more.

As a student of The UT Health Science Center at Houston (UTHealth) School of Dentistry in the world-renowned Texas Medical Center, you'll have opportunities to forge lasting friendships and make meaningful professional connections in one of the richest intellectual, cultural and collaborative environments in the world. We hope you'll make the most of your time here and enjoy everything Houston has to offer.

We hope this catalog will be helpful as you embark on your journey into the world of dentistry. Once again, welcome to UTSD!

Sincerely,

**John A. Valenza, DDS**

Dean

William N. Finnegan III Distinguished Teaching Professor in the Dental Sciences

## ACADEMIC CALENDAR 2014-2015

|             |                |                 |   |
|-------------|----------------|-----------------|---|
| <b>2014</b> | July 1         | Tuesday         | *Session Begins at 8:00 a.m. for Graduate Students, Postgraduate Students and Residents             |
|             | July 4         | Friday          | Holiday- Independence Day   |
|             | August 11      | Monday          | Fall Semester begins at 8:00 a.m. for all Dental and Dental Hygiene Students                        |
|             | August 25      | Monday          | Fall Semester begins for Graduate, Postgraduate Students, and Residents                             |
|             | September 1    | Monday          | Holiday - Labor Day   |
|             | November 27-28 | Thursday-Friday | Holiday -Thanksgiving   |
|             | December 1-12  | Monday-Friday   | Examinations for Dental and Dental Hygiene Students   |
|             | December 12    | Friday          | Fall Semester ends at 5:00 p.m. for all Students  |
| <b>2015</b> | January 5      | Monday          | Spring Semester begins at 8:00 a.m. for Dental, Dental Hygiene, Graduate, and Postgraduate Students |
|             | January 19     | Monday          | Holiday - Martin Luther King, Jr.'s Birthday  |
|             | February 16    | Monday          | Holiday - Presidents' Day   |
|             | March 9-13     | Monday-Friday   | Spring Break  |
|             | May 4-15       | Monday- Friday  | Examinations for Dental and Dental Hygiene Students   |
|             | May 15         | Friday          | Spring Semester ends at 5:00 p.m. for, DDS IV and Dental Hygiene Students II                        |
|             | May 24         | Friday          | Graduation  |
|             | May 25         | Monday          | Holiday - Memorial Day  |
|             | June 1         | Monday          | Summer Term begins for DDS I, II, III and Dental Hygiene I  |
|             | June 30        | Friday          | Spring Session ends at 5:00 p.m. for Advanced Education Students                                    |
|             | July 24        | Friday          | Summer Term ends at 5:00 p.m. for DDS I, II, III and Dental Hygiene I                               |

\*The Postgraduate School operates on a calendar year basis from July 1 to June 30 for all program activities. Basic science courses are conducted during the summer term, and fall and spring semesters.

## ACADEMIC CALENDAR 2015-2016

|             |                         |                 |  |
|-------------|-------------------------|-----------------|--|
| <b>2015</b> | July 1                  | Wednesday       | *Session Begins at 8:00 a.m. for Graduate Students, Postgraduate Students and Residents            |
|             | July 3                  | Friday          | Holiday- Independence Day  |
|             | August 10               | Monday          | Fall Semester begins at 8:00 a.m. for all Dental and Dental Hygiene Students                       |
|             | August 26               | Monday          | Fall Semester begins for Graduate, Postgraduate Students, and Residents                            |
|             | September 7             | Monday          | Holiday - Labor Day  |
|             | November 26-27          | Thursday-Friday | Holiday -Thanksgiving  |
|             | November 30-December 11 | Monday-Friday   | Examinations for Dental and Dental Hygiene Students  |
|             | December 11             | Friday          | Fall Semester ends for all Students  |
| <b>2016</b> | January 4               | Monday          | Spring Semester begins at 8:00 a.m. for Dental, Graduate, Postgraduate and Dental Hygiene Students |
|             | January 18              | Monday          | Holiday - Martin Luther King, Jr.'s Birthday   |
|             | February 15             | Monday          | Holiday – President's Day  |
|             | March 14-18             | Monday- Friday  | Spring Break   |
|             | May 13                  | Friday          | Semester ends at 5:00 p.m. for DDS IV and Dental Hygiene Students II                               |
|             | May 20                  | Friday          | Graduation   |
|             | May 30                  | Monday          | Holiday - Memorial Day   |
|             | May 31                  | Monday          | Summer Term begins for DDS I, II, III and Dental Hygiene I   |
|             | June 30                 | Thursday        | Spring Session ends at 5:00 p.m. for Advance Education Students                                    |
|             | July 22                 | Friday          | Summer Term ends at 5:00 p.m. for DDS I, II, III and Dental Hygiene I                              |

\*The Postgraduate School operates on a calendar year basis from July 1 to June 30 for all program activities. Basic science courses are conducted during the summer term, and fall and spring semesters.



## **ADMINISTRATION**

**John A. Valenza, DDS**

Dean

**Raymond G. Koeppen, DDS, MBA, MS**

Interim Associate Dean

for Academic Affairs

**Robert A. Cederberg, DDS**

Associate Dean for Patient Care

**Karen F. Novak, DDS, MS, PhD**

Associate Dean for Educational Research and Professional Development

**Jacqueline T. Hecht, PhD**

Associate Dean for Research

**H. Philip Pierpont, DDS**

Associate Dean for Student and Alumni Affairs

**Arthur H. Jeske, DMD., PhD**

Associate Dean for Strategic Planning and Continuing Dental Education

**Muhammad F. Walji, PhD**

Associate Dean for Technology Services & Informatics

## GENERAL INFORMATION

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### Accreditation

The programs offered by The University of Texas School of Dentistry at Houston are accredited by the Commission on Dental Accreditation of the American Dental Association.

The Commission on Dental Accreditation will review complaints that relate to a program compliance with the accreditation standards. The Commission is interested in the sustained quality and continued improvement of dental and dental-related education programs but does not intervene on behalf of individuals or act as a court of appeal for individuals in matters of admission, appointment, promotion, or dismissal of faculty, staff, or students.

A copy of the appropriate accreditation standards and/or the Commission's policy and procedure for submission of complaints may be obtained by contacting the Commission at 211 East Chicago Avenue, Chicago, IL 60611-2678 or by calling 1-800-621-8099, extension 4653.

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### Veterans Administration Training Program

The University of Texas School of Dentistry at Houston has programs approved by the Texas Workforce Commission for veterans training. Training programs are offered on the undergraduate and graduate level. For complete information regarding provisions of the program, candidates should contact the Veterans Administration office nearest their home.

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### Vocational Rehabilitation

The State Board of Vocational Education, through the Vocational Rehabilitation Division, will pay the tuition of students who have certain disabilities, provided the vocational objective selected by the disabled persons have been approved by a representative of the Division. Application for vocational rehabilitation assistance should be made to the nearest Texas Rehabilitation Commission office.

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### Mission, Vision and History

The University of Texas School of Dentistry at Houston has set the standard for oral health excellence since 1905 as the first dental school in Texas and the oldest professional school in Houston. Since then, thousands of dentists, dental hygienists and dental specialists have been educated at UTSD, where the mission is "to advance human health by providing high quality education, patient care and research in oral health for Texas, the nation and the world."

The school was founded as the privately owned Texas Dental College and joined The University of Texas System in 1943. From 1955-2011, the school was known as "UT Dental Branch," but the name "School of Dentistry" was restored in June 2011. The school is part of The University of Texas Health Science Center at Houston (UTHealth).

UTSD's vision is "to be a leader in dental education by enriching the lives and health of our community and the world through patient care and research – our foundation in the pursuit of excellence in education." Toward that end, UTSD students performed more than 230,000 procedures in 2011 at the school's clinics, 13 community clinical sites and nine affiliated hospitals. .

## FULFILLING OUR MISSION

### *Education*

The School of Dentistry offers eight accredited advanced education programs in primary care and dental specialties. It also offers a broad-based competency driven curricula with extensive use of outcomes assessment to evaluate student/resident performance in each program. Curriculum development is ongoing, with an emphasis on evidence-based dentistry and building skills for life-long learning.

In response to the state's potential need for oral healthcare providers and an increase in the number of highly-qualified applicants, the School of Dentistry increased its class size during the 2005 and 2006 academic years. Those increases changed annual admissions from 64 to 84, a 31.25% increase. With the new School of Dentistry building, the continuation of a robust applicant pool, and the recruitment of additional outstanding faculty, further growth in class size is anticipated to meet the oral health needs of Texans.

Because serving the community is an important part of the School's mission, the institution also believes that the student body should look like the community it serves — diverse. The School of Dentistry has integrated a focus on cultural competency, diversity, and inclusion built on the foundation of the American Medical Student Association's Achieving Diversity in Dentistry and Medicine guidelines into all four years of the undergraduate dental curriculum. This focus is supported by, the Robert Wood Johnson Foundation Summer Medical and Dental Education Program, which provides intensive and personalized training opportunities for pre-dental and medical students as a preparatory program to ultimately increase the number of under-represented and minority health care practitioners in Texas. The School of Dentistry has also been recognized as a Hispanic Center of Excellence through award of the HCOE Grant from HRSA. The grant provides funding for programs to increase the pipeline of Hispanic applicants, to support currently enrolled Hispanic students, to support Hispanic faculty, to promote Hispanic health research and to promote cultural competency. As the only dental school in southeast Texas, a top priority of the School of Dentistry is to retain its pivotal role as a primary source of quality oral health care to low income families and the traditionally underserved.

### *Research*

Research brings about progress and advancement that changes and saves lives. Therefore, it is an important part of our mission. School of Dentistry faculty members are investigating:

- saliva as a diagnostic tool using proteomic analysis
- mechanisms of autoimmune disease
- mechanisms of mucosal immunity
- advanced imaging for diagnosis and treatment of craniofacial anomalies
- molecular imaging of oral cavity and other cancers using nanotechnology
- oral manifestations of HIV infection
- tissue engineering

The School of Dentistry has a strong commitment to building the workforce of oral health scientists for the 21st century.

*Community Service/Patient Care*

Caring for people is the reason for our existence. The educational and research components of the School of Dentistry mission are driven by our desire to provide people with better health.

In fiscal year 2008, the School of Dentistry conducted outreach programs at a variety of sites throughout greater Houston. It was at these sites that oral health education and 14,756 patient treatments were provided. This is in addition to 196,525 treatments on the main campus and 20,629 in hospitals. The School of Dentistry is one of the primary sources of charity care in the Greater Houston Area, having provided over \$1 million in unsponsored charity dental care in fiscal year 2009.

The Mobile Dental Van is an important and valuable participant in the School's outreach efforts, visiting many sites throughout Houston and East Texas to provide oral cancer screenings and clinical care.

Faculty, residents, students and staff joined together in August 2005 to treat more than 500 evacuees of Hurricane Katrina at a temporary medical center established by the UT Health Science Center at Houston. For the past several years, the School has also sponsored days of free dental care for the community in conjunction with the Greater Houston Dental Society. "Centennial Smiles" and "Give Kids a Smile Day" have afforded thousands of area residents free dental care. In recognition for this service, the School of Dentistry was identified by the Texas Dental Association Smiles Foundation as one of the "Top Five Access to Care Volunteers for 2009".

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## Instructional Programs

The School of Dentistry sponsors 10 accredited academic programs.

+ Doctor of Dental Surgery

+ Graduate Primary Care

Advanced Education in General Dentistry (AEGD)

General Practice Residency (GPR)

+ Postgraduate/Graduate Specialty Care

Endodontics

Oral & Maxillofacial Surgery

Orthodontics

Pediatric Dentistry

Periodontics

Prosthodontics

- + Dental Hygiene Program (Certificate and Bachelor)

Formal dual-degree programs

- + Oral & Maxillofacial Surgery/Doctor of Medicine
- + Oral & Maxillofacial Surgery/Doctor of Philosophy Degree

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## **Facilities**

In May 2012, the School of Dentistry moved into a new, 300,000-square-foot building at 7500 Cambridge St. in UT Research Park on the south campus of the Texas Medical Center. The six-story facility is fully Wi-Fi enabled and features classrooms, clinics, laboratories and research areas with state-of-the-art equipment. In classrooms, faculty can use audience-response technology to immediately assess students' understanding of lecture concepts, and many lectures are recorded and posted on the school's intranet (Blackboard). An expansive new simulation clinic lets students and continuing education clients learn and practice skills in a virtual setting before moving on to live patients.

In the patient care clinics, natural lighting is abundant. Spacious bays are equipped with chairside computers to make it easy for students and faculty to access electronic health records and X-rays without leaving the patient. All equipment is state-of-the-art, and UTSD is the first dental school in the country to have both predoctoral and graduate endodontic clinics fully equipped with microscopes.

Additionally, the school has a library and learning commons, a faculty practice clinic, "grab-n-go" food service, and an adjacent 14,000-square-foot conference center with a landscaped, Wi-Fi enabled courtyard.

## **POLICIES AND PROCEDURES**

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### **Student Conduct and Discipline**

Students are responsible for knowing and observing University regulations concerning student conduct and discipline as set forth The University of Texas Health Science Center at Houston (UTHealth) Handbook of Operating Procedures (HOOP) Policy 186, Student Conduct and Discipline. Rules specific to student conduct and discipline are also outlined in The University of Texas School of Dentistry at Houston Student Guide to Academic Studies, which is distributed during orientation and at the beginning of each semester.

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### **Equal Opportunity**

To the extent provided by applicable law, no person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under any program or activity sponsored or conducted by The University of Texas School of Dentistry at Houston on the basis of race, color, national origin, religion, sex, age, sexual orientation, veteran status, or disability.

## STUDENT GRIEVANCES PROCEDURES

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### Grade Grievance Procedure

The faculty retains the primary responsibility for student evaluation and assignment of grades. In attempting to resolve any student grievance regarding grades or evaluations, it is the obligation of the student to first make a serious effort to resolve the matter with the faculty member with whom the grievance originated. A faculty member's judgment is final unless there is substantial evidence of mistake or differential treatment. If, after meeting with the appropriate faculty member, the student feels that the grade grievance has not been adequately addressed, the student may appeal the faculty member's determination, in writing, to the Associate Dean for Academic Affairs within seven calendar days of grade posting. The Associate Dean for Academic Affairs will review the case and submit a written recommendation to the Dean within 14 calendar days of submission of the appeal by the student. The determination of the Dean is final.

### Nonacademic Grievance Procedure

Students enrolled in the School of Dentistry should report abuse or mistreatment to the Associate Dean for Student Affairs. The Associate Dean will meet with the student to discuss the incident or behavior and the options for action.

University policies and procedures concerning misconduct by faculty and staff, including sexual and physical abuse and harassment, are outlined in the UTHHealth Handbook of Operating Procedures (HOOP). The Associate Dean for Student Affairs will advise and assist the student in following applicable procedures of the institution.

### Admissions – Children of Public Servants

An applicant for admission as an undergraduate student is entitled to automatic admission if the applicant meets any minimum requirements established by the School of Dentistry and is a child of certain public servants who were killed or sustained a fatal injury in the line of duty.

### Texas Core Curriculum Requirements

Students who will be receiving their first baccalaureate degrees from The University of Texas School of Dentistry at Houston must successfully complete the Texas Core Curriculum requirements. The core curriculum consists of 42 semester credit hour in specified component areas. Applicants are encouraged to contact the Office of the Registrar or the School of Dentistry to inquire about other courses that may satisfy Core Curriculum requirements.

### Transfer of Credit

Credit for semester hours of work completed at another institution towards prerequisites for admission or in lieu of the School of Dentistry requirements must be approved by the Admissions Committee of the specific program to which the individual is applying. Official transcripts must accompany any request of transfer credit.

The following procedures shall be followed by The UT School of Dentistry, in accordance with the policies of the Texas Higher Education Coordinating Board, in the resolution of credit transfer disputes involving lower-division courses:

- If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of course credit is denied;
- The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and/or guidelines;
- If the transfer dispute is not resolved to the satisfaction of the student or the sending within 45 days after the date the student received written notice of denial, the institution whose credit is denied for transfer shall notify the Commission of the denial.

The Commissioner of Higher Education or the commissioner's designee shall make the final determination about the dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.

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### **Military Service Withdrawal**

A student who withdraws as a result of being called to active military service may choose: (1) to receive a refund of tuition and fees for the semester; (2) if eligible, to be assigned an incomplete "I" in each course; or (3) at the instructor's discretion, to receive a final grade in courses where he/she has completed a substantial amount of course work and has demonstrated sufficient mastery of the course material.

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### **Registration**

All students must register at the time designated in the Registration Schedule. Instruction will begin as scheduled. No student may attend class, laboratory, or clinic unless registered as a student in the School of Dentistry and all required fees have been paid.

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### **Tuition and Fee Exemption**

Continued receipt of a tuition and fee exemption and/or waiver is contingent upon the student maintaining academic levels to achieve satisfactory academic progress and not enrolling in or completing an excessive number of hours.

#### **Tuition Set Aside for Financial Assistance**

The University of Texas Health Science Center at Houston will inform students of the amount of their tuition set aside for financial assistance for students. The information will be included on their tuition bill or billing statement, printed receipt, or in an e-mail statement prominently displaying the notice regarding the specific amount that is required to be set aside by the institution.

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### **Student Health Insurance Program**

Refer to The University of Texas Health Science Center at Houston General Information section of this catalog for further information. The University of Texas System Board of Regents mandates health insurance for students enrolled in the UT System health components.

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## International Students

Students holding nonimmigrant visas are required to maintain approved comprehensive health insurance or coverage while enrolled at the institutions of The University of Texas System. The required health insurance fee assessed by UTHealth includes coverage for repatriation and medical evacuation. International students with comparable outside of the pan can contact Auxiliary Enterprises at 713-500-8400 or provide the Health Insurance Waiver Form needed to waive the insurance fee by email: [student-insurance@uth.tmc.edu](mailto:student-insurance@uth.tmc.edu).

## STUDENT ORGANIZATIONS

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### Professional Organizations

Several organizations exist independently of the School of Dentistry to provide students the opportunity to become familiar with the activities of professional societies. These include the American Dental Education Association, the Texas Dental Association, the Greater Houston Dental Society, the Greater Houston Dental Hygienists' Society, the American Student Dental Association, the Hispanic Student Dental Association, the Zeb Ferdinand Poindexter Chapter of The Student National Dental Association, the Asian American Student Dental Association, Pediatric Education in the Dental Society, Christian Dental Fellowship, Muslim Dental Association, Student Research Group, the Donald Butler Society, Student Chapter of the American Dental Hygienists' Association, and the Texas Association of Women Dentists Chapter of the American Association of Women Dentists.

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### Student Governance Organizations

All students regularly enrolled at the School of Dentistry are members of the School of Dentistry Student Association, which coordinates a number of student-related activities. The Student Council serves as the governing body of the School of Dentistry Student Association. Members of the Student Council are elected from each class. Students may also participate in UTHealth student organizations such as the Student InterCouncil, Student Fee Advisory Committee and other registered student groups.

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### Honor Societies

Mu Mu Chapter of Omicron Kappa Upsilon, the national dental honor society, was established in 1940. This independent society provides recognition for those students who have been outstanding in their class during their four years of study at the School of Dentistry. The members of the graduating class, who in the opinion of the faculty members of OKU warrant such consideration, are recommended to the active members of Omicron Kappa Upsilon for membership in the honor society. Election to membership in OKU is limited to no more than 12% of a graduating class.

Sigma Phi Alpha is the national dental hygiene honor society. Selection for membership is based on overall achievement during the two years in the Dental Hygiene Program. Membership is limited to no more than 10% of a graduating class.

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### Fraternities (Independent)

The Delta Upsilon Chapter of Psi Omega Fraternity was organized in 1913 and the Tau Tau Chapter of Delta Sigma Delta Fraternity in 1948.



## THE SCHOOL OF DENTISTRY

The School of Dentistry offers a program that provides the student with the opportunity to qualify for the Doctor of Dental Surgery degree and for eligibility for licensure in the 50 states and the Territory of Puerto Rico.

The course of instruction includes basic sciences, behavioral sciences, preclinical sciences, and clinical sciences. The instruction in basic and preclinical sciences, along with initial clinical experiences, are the primary focus in the first two years of study, with more emphasis placed on clinical sciences during the latter two years.

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### ESSENTIAL SKILLS FOR DENTISTS AND DENTAL HYGIENISTS

To be successful, dentists and dental hygienists must demonstrate cognitive skills in critical and logical/analytical thinking. Dentists and dental hygienists must possess and demonstrate psychomotor skills (fine motor dexterity and coordination) and observational skills (vision, hearing and tactile abilities) sufficient to master the clinical procedures essential in the treatment of dental disease.

All individuals who apply for admission and all individuals admitted to The University of Texas School of Dentistry, without exception, must be able to perform essential functions. Essential functions are the basic activities that a student must be able to perform to complete the curriculum. An applicant who cannot perform the following essential functions will not be considered for admission nor permitted to continue in the program:

**COMMUNICATION:** Students must be able to communicate effectively with patients and patient family members, peers, staff, faculty and other members of the health care team. Communication requires the ability to assess all information provided by the patient including non-verbal responses, within safety-related timeframes. Students must be able to communicate in oral and written format that is succinct, organized and complete. These communications will include assessments, prescriptions and dental record notes. Students must be able to demonstrate sensitivity to cultural, emotional, and societal issues.

**SENSORY AND PSYCHOMOTOR SKILLS:** Students must be able to gather patient information needed for a diagnosis through adequate visual, tactile, smell, and auditory senses. Students must have sufficient physical abilities and stamina to provide dental care and respond to emergency situations. Students must have the manual dexterity to execute both gross and fine motor movements required to provide dental care for their patients within the mandated time frame established by the curriculum and or licensing boards.

**COGNITIVE ABILITIES:** Students must have the cognitive abilities to master the dental curriculum, including the basic, behavioral, and clinical sciences. Students must be able to measure, calculate reason, analyze, synthesize, integrate, and apply information. In addition, students must be able to comprehend three-dimensional relationships and to understand the spatial relationships required to provide dental care. Students must be able to demonstrate critical thinking and problem solving and decision-making skills required in the practice of dentistry.

**BEHAVIORAL AND SOCIAL ATTRIBUTES:** Students must be able to demonstrate professional behavior and function with integrity and responsibility while maintaining a high ethical standard. In addition, the students must be able to demonstrate the ability to be compassionate, empathic, and tolerant. Students must be able to interact in a collegial manner and demonstrate

the ability to participate in teamwork. Students must possess the emotional health required to use their intellectual abilities fully, such as exercising good judgment, promptly completing all responsibilities attendant to the diagnosis and care of patients, and developing mature, sensitive, and effective relationships with patients. Students must be able to tolerate physically taxing workloads and to function effectively under stress. Students must be able to adapt to changing environments, respond appropriately to unpredictable circumstances, and to display flexibility.

**CHRONIC CONDITIONS:** Students must not be subject to any chronic or recurrent illnesses such as infectious, psychiatric or substance abuse problems that would interfere with quality patient care or safety and that are not compatible with dental practice or training.

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## GENERAL ADMISSIONS INFORMATION

Academic Prerequisites: Applicants to The University of Texas School of Dentistry at Houston are strongly advised to pursue an undergraduate program of study leading to the baccalaureate degree. However, applicants may be considered for admission after completion of 90 semester hours at an accredited college in the United States. It is preferred that no more than 60 semester hours be accomplished at a junior or community college.

The following courses must be included in the 90 semester hours:

English One year (6 semester hours).

Biology Two years (14 semester hours) as required for science majors. One year (8 semester hours) must include formal laboratory work. Specific courses, which would be most beneficial in preparing the applicant for the dental curriculum, include anatomy, cell/molecular biology, genetics, histology, microbiology and physiology.

\*\*Beginning with the application for entry year 2014, UT School of Dentistry at Houston will require 3 semester hours (or 5 quarter hours) of Microbiology. This requirement will count forward fulfilling part of the 14 semester hour Biological Science requirement.\*\*

Biochemistry One semester (3 semester hours). This course is in addition to the required 14 semester hours of Biology.

General Chemistry One year (8 semester hours) as required for science majors, including the corresponding laboratory experiences.

Organic Chemistry One year (8 semester hours) as required for science majors, including the corresponding laboratory experience.

Physics One year (8 semester hours) as required for science majors, including the corresponding laboratory experience.

Statistics One semester (3 semester hour)

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## PROCEDURE AND CRITERIA FOR DENTAL SCHOOL ADMISSIONS

The Dental Admissions Committee at The University of Texas School of Dentistry at Houston is composed of faculty members, student members, and ex officio members. The Dental Admissions Committee considers, selects, and recommends to the Dean applicants for admission to the D.D.S. program.

Applicants to be offered positions are selected through the collective judgment of the Dental Admissions Committee members. The decisions are made by evaluation of the record of the applicant and comparative study with other applicants' records that reflect academic qualifications and personal attributes that contribute to success as a dental professional. Qualified legal residents of Texas are given preference.

The members of the Dental Admissions Committee serve as a resource to applicants in all programs by 1) participating in a yearly pre-professional advisors conference; 2) making visits to area Texas colleges to provide information about dentistry and dental education; 3) conducting programs at the School of Dentistry for groups of applicants; and 4) participating in Health Career Days at Texas universities and colleges.

Initial screening factors considered by the Committee include:

### **Academic achievement**

- Overall grade point average
- Science grade point average
- Academic progression or regression
- Educational experience as reflected by the total credit hours

### **Aptitude for dentistry as predicted by the Dental Admissions Test (DAT).**

- Survey of the Natural Sciences (Biology, Inorganic and Organic Chemistry)
- Reading Comprehension (Natural and Basic Sciences)
- Test of Perceptual Ability

Scores used in the Dental Admissions Testing range from 1 to 30. While there is not a "passing" or "failing" score, a score of 18.5 on the academic average was representative of average performance on a national basis in 2013. If the exam is retaken, only the most recent score is used in the applicant management model. The DAT Academic Average mean has been above 19 for recent entering classes.

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## Admissions Policy

The admissions policy of the School of Dentistry includes a wide variety of criteria, including qualitative and quantitative information, in evaluating applicants on an individual basis and making decisions on acceptance into the D.D.S. degree program. The admissions processes for the undergraduate Dental Hygiene certificate, Baccalaureate (B.S.) degree programs, and graduate Advanced Education Programs utilize a mix of cognitive and non-cognitive consideration factors that are similar to the Dental Education Program. The Dental Admissions Committee gives individual consideration to applicants. The Admissions Committee considers the application in its entirety and gives importance to the following factors:

1. Intellectual capacity, based on consideration of undergraduate and graduate records; academic progression/regression; standardized test scores; academic awards and honors; a history of research accomplishments; degree of difficulty of undergraduate academic

program; pre-professional evaluations; personal interview; and any other data submitted;

2. Interpersonal and communication skills, based on consideration of community or charitable service, extracurricular activities and organizations; leadership positions; employment history; recognition for humanitarian service; awareness and direct knowledge of cultural elements as they may have an impact on healthcare; expression of future goals in the written essay; statements made on the application or in the personal interview; and any other relevant considerations the student's pre-professional advisors may present;
3. Knowledge of the profession, based on consideration of an understanding of factors that have an impact on access to care, along with the social and financial implications; consideration of the implications of lifelong learning; and demonstrated significant effort in seeking knowledge regarding the practice of dentistry or participation in oral health promotion activities;
4. Potential for service to the State of Texas, based on consideration of the applicant's goals for the future; size and location of hometown and whether the applicant resides in a Health Professions Shortage Area; potential for future provision of health services to underserved areas or needed specialties; race/ethnicity as it relates to service to underserved and/or underrepresented populations; linguistic skills appropriate to the Health Professions Shortage Area the applicant wishes to serve;
5. Motivation, based on consideration of success in overcoming adverse personal, economic or educational conditions; employment during undergraduate education; participation in activities requiring time management skills; experience in health-related activities; and heavier than normal academic course loads ( $\geq 16$  hrs/semester);
6. Integrity, based on consideration of professional evaluations; any academic integrity violation; commission of a crime; any other relevant background relating either positively or negatively to the applicant's standard of integrity; and
7. Essential skills, based on consideration of psychomotor skills (fine motor dexterity and coordination) and observational skills (vision, hearing and tactile abilities) sufficient to master the clinical procedures essential to the treatment of oral disease.

An interview is required before the Dental Admissions Committee will make a final determination regarding any applicant. Interviews are arranged by invitation only, and are conducted both for informational purposes of the Committee and to provide the applicant with information about dentistry and the School of Dentistry program. The interview is a substantive step in the admissions process and will be used to further investigate the criteria noted above. All interviews are conducted by an Admissions Committee member or designee. Interview candidates are scored by the interviewing committee member, and that score further contributes to the overall evaluation of the applicant.

The selection of the entering class is based upon the total evaluation conducted by the Dental Admissions Committee incorporating criteria listed above.

The University of Texas School of Dentistry at Houston Policy for Conducting Criminal Background Checks

An offer of admission to the School of Dentistry is expressly contingent upon the successful

completion and review of a criminal background check, which is required prior to matriculation in the Dental Education Program at the School of Dentistry. The criminal background check will, among other things, serve to verify information provided in the TMDAS Application. The School of Dentistry requires this criminal background screening process occur prior to enrollment.

Since external clinical experiences are an essential component of the curriculum and in attaining competency, those having a criminal background barring participation could not successfully complete the curriculum.

Individuals who do not give permission to the conduct of the criminal background check or who fail to provide the report as required will be subject to withdrawal of the offer of admission to the dental education program.

An independent vendor selected by the School of Dentistry will provide the criminal background screening, and accepted applicants will be responsible for requesting the report and paying the fee. Copies of the report shall go to the School of Dentistry and to the applicant. The applicant will be informed of how to contact the independent vendor to challenge the accuracy or completeness of the report, and that the independent vendor was not involved in any decision based on the report. All reports will be separately maintained in a confidential file. The report shall span the seven-year period immediately preceding the application year. Validated background reports found to be in conflict with responses on the application shall be grounds for withdrawal of an offer of enrollment or dismissal.

It is anticipated that background checks will be honored for the duration of the student's enrollment in the program if the participating student has not had a break in the enrollment. A student who has had a break in enrollment may be required to have another background check. A break in enrollment is defined as withdrawal from a program and readmission. A student on Leave of Absence (LOA) is considered to be in continuous enrollment. In any case, the School of Dentistry may require additional background checks after matriculation, e.g., to satisfy clinical site requirements, after an extended leave of absence, etc.

Enrolled students are required to disclose to their respective Dean or designee any arrests for and/or criminal charges of all misdemeanor or felony offenses (other than minor traffic violations), and any misdemeanor or felony convictions and/or deferrals of adjudication, community supervision and/or other pre-trial diversion or disposition (other than minor traffic violations) within five days of occurrence. Nondisclosure or falsification of this information may be grounds for disciplinary action, up to and including dismissal from a program.

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## **Application and Acceptance Procedures**

Application to The University of Texas School of Dentistry may be made through the Texas Medical and Dental Schools Application Service or the Associated American Dental Schools Application Service. Application is preferred through the Texas Medical and Dental Schools application Service and is required of Texas resident applicants. Application information can be obtained from Texas Medical and Dental Schools Application Service, P.O. Box 2175, Austin, TX 78768. On-line application and information is available at: <http://www.tmdsas.com/>

The following requirements are stipulated for official consideration of an application for admission to the School of Dentistry

- Applications will be accepted only between May 1 and October 1 of the year preceding

expected matriculation.

- Applications are processed by the Texas Medical and Dental Schools Application Service or American Associated Dental School Application Service
- The Texas Medical and Dental Schools Application Service; or, American Associated Dental School Application Service must receive:
  - All application forms, completed and signed where appropriate;
  - Official transcripts of courses and grades directly from all academic institutions attended;
  - An evaluation of the applicant from the Health Professions Advisor, the Health Profession Advisory Committee, or for two academic professors of the applicant's choosing. If an Advisor or Advisory Committee is on the applicant's undergraduate campus, a letter from them is desired. A letter of evaluation is also required from a practicing dentist:
  - DAT Scores;
  - A non-refundable filing fee, based on the number of schools to which you apply and Texas residency. If a doubt exists regarding your residency status, the application will not be processed unless a non-resident filing fee is submitted or until a determination of legal Texas residency can be made. If you submit a non-resident filing fee and it is subsequently determined that you are a resident of Texas, an appropriate refund will be made. If your residency status is questionable, it will be necessary for you to complete a Residency Questionnaire so that a residence determination can be made. The filing fees are published on the Texas Medical and Dental School Application Service web site: <http://www.tmdsas.com/>
- Photographs for each school and the Application Service.

The Texas Medical and Dental Schools Application Service is operated for administrative purposes involving the application process. All actions on admission to a professional program are the prerogative of the admissions committees of the individual professional schools. All questions concerning the status of a completed application should be directed to the Office of Student and Alumni Affairs of the Dental Branch at [questions@uth.tmc.edu](mailto:questions@uth.tmc.edu)

Questions concerning the degree of completion of an application should be directed to the Application Service. Applicants are encouraged to monitor application completion on-line at <http://www.tmdsas.com/>

Non-resident students will be limited to not more than a certain percentage of the total enrollment per class established by the Texas State Legislature.

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## TRANSFER AND ADVANCED STANDING APPLICANTS

The University of Texas School of Dentistry at Houston classifies “transfer” students as applicants currently enrolled in good standing in dental schools accredited by the American Dental Association, and “advance” standing applicants as graduates of dental schools not accredited by the American Dental Association. Both transfer applicants and advance standing applicants will be considered for admission only if space is available in the appropriate second year class. No transfer will be accepted beyond the second year.

Requirements that govern the admission of transfer students are as follows:

- Official transcripts from all colleges and universities attended. Applicant must provide adequate translations (if applicable)
- AT Scores
- National Board Scores (if applicable)
- A letter of recommendation from the Dean of the dental school in which the applicant is currently enrolled.
- Curriculum of the school attended must be compatible with that of The University of Texas School of Dentistry at Houston. The transfer student must ensure that documentation and analysis of program compatibility is provided by the institution attended by the transfer applicant.
- A personal interview is required before the Dental Admissions Committee will consider the completed application.

Requirements that govern the admission of advance standing applicants to the second year are as follows:

- Must not have been out of pre-doctoral dental school for more than five years at the time of acceptance or must have completed a two year postdoctoral program accredited by the American Dental Association within the past five years.
- Official transcripts from all colleges and universities attended. Applicant must provide adequate translations (if applicable).
- Must have passed Part I of the National Board Examination. Part II scores are considered if available.
- Applicants from countries where English is not the native language are required to submit scores on the Test of English as a Foreign Language (TOEFL). A minimum score of 213 (computer version) is required.
- A letter of recommendation from the chief administrative officer of the college, university, or dental school in which the applicant was last enrolled.
- An interview will be required prior to final consideration of an application

Students accepted as advanced standing participants will pursue the prescribed dental course of study and be required to complete satisfactorily published graduation requirements for

Doctor of Dental Surgery candidates. No plan for admission or reporting to The University of Texas School of Dentistry at Houston should be made until official notice of acceptance has been received.

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## Readmission

A student who voluntarily withdraws or is dismissed from the dental program and subsequently applies for readmission will be considered on an individual basis by the Dental Admissions Committee.

## EXPENSES

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### Tuition

Beginning 2014-2015, the annual resident tuition is \$19,382; non-resident tuition is \$30,974. The tuition amount includes designated and differential tuition used for program enhancement, annual capital renewal, deferred maintenance, and bond retirement for the construction of new buildings. Attendance during any part of an academic year will require payment of full tuition subject to the refund provisions. A fee for each academic year is due at the time of registration. Tuition is subject to change according to the actions of the Health Science Center, Texas State Legislature, or the Board of Regents. Changes become effective when enacted.

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## FEES AND COSTS

**Late Registration Fee:** A \$25 fee will be required of those students not registering or paying on those dates designated in the school calendar.

**Installment Use Fee:** \$20 per term

**Late Payment Fee:** \$25 for each late installment (other than the initial payment)

**Laboratory Fee:** The laboratory fee will be \$50 for the first and second years

**Gross Anatomy Course Fee:** \$500 for first year.

**Graduation Fee:** A graduation fee of \$75 payable at registration for the final academic term is required for dental students. Students who withdraw before graduation are entitled to a refund of this fee, if a diploma or certificate has not been ordered. This fee does not include regalia rental.

**Technology Resource Fee:** A fee of \$1190 annually.

**Information Technology Access Fee:** A fee of \$99 annually or \$33 per semester for Dental Hygiene/Advanced Education Program.

**Library Resource Fee:** A fee of \$150 annually

**Professional Liability Insurance Fee:** The estimated fee is \$25 annually. It is mandatory all students purchase professional liability insurance through the institution designate.



**Health Insurance:** \$1,859 annually. Health insurance is required of all Health Science Center students. If you have your own health insurance policy, you may provide proof of comparable insurance coverage to Auxiliary Enterprises no later than the 12th class day to have this charge waived.

**ASDA Fee:** A fee of \$140 for first, second, third and fourth year students.

**Student Services Fee:** The Student Services Fee, required of all students, is \$512.00 per year. The fee provides for student activities, outpatient care by the UT Medical School Student Health Service, counseling services, shuttle services, student governances and use of recreation facilities. Optional family participation is available.

**Student Record Fee:** \$15 per year.

**Dental Instrument Rental Fee:** It is mandatory all undergraduate students participate in the dental instrument rental program. Estimated dental instrument rental fees for the 2014-2015 academic year are:

|   |          |
|---|----------|
| First Year Student<br><i>Instrument Kit rental fee</i>  | \$1,575  |
| Second Year Student<br><i>Instrument Kit rental fee</i> | \$1,575  |
| Third Year Student<br><i>Instrument Kit rental fee</i>  | \$2,500  |
| Fourth Year Student<br><i>Instrument Kit rental fee</i> | \$2, 500 |

The instrument rental program does not provide all of the instruments required by the student. Additional instruments and supplies must be purchased by the student.

Registration is not complete and the student is not entitled to University privileges until all mandatory fees are paid.

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## Instruments, Supplies and Books

Students are required to purchase supplies, books, computer and some instruments necessary to complete the dental curriculum. Students should take into account the cost of these items when planning for financial support.

Textbook and supplemental materials information, including the maximum extent practicable the International Standard Book Number (ISBN) and retail price information, is available on the DDS Curriculum Web site. Visit the Website at: <http://db.uth.tmc.edu/education/doctor-dental-surgery/curriculum/book-list>

A School of Dentistry student is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer, at lower price than the price charged for that textbook by a university-affiliated bookstore.

Under a four-year plan, approximate costs, depending upon fluctuations in market price and changing needs in the curriculum, are as follows:

|             | <b>Instruments and Supplies</b><br>(Purchased) | <b>Books</b><br>(Purchased) |
|-------------|--|-----------------------------|
| First Year  | \$5424   | \$2120                      |
| Second Year | \$4140   | \$1469                      |
| Third Year  | \$0  | \$553                       |
| Fourth Year | \$0  | \$155                       |

The above includes the estimated cost for the 2014-2015 academic year. Costs for the 2015-2016 academic year have not been determined.

The Texas Legislature does not set the specific amount for any particular student fee. The student fees assessed above are authorized by state statute; however, specific fee amounts and the determination to increase fees are made by the University administration and The University of Texas System Board of Regents with participation of the Student Fee Advisory Committee.

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## FINANCIAL AID

The University of Texas School of Dentistry at Houston has limited loan and scholarship funds. These funds may be available based on proven financial need and/or academic excellence. A student subject to selective service registration will be required to file a statement that the student has registered or is exempt from selective service registration in order to be eligible to receive financial assistance funded by State revenue.

Financial Aid Application forms may be obtained from:  
Office of Student Financial Services  
The University of Texas Health Science Center at Houston

P. O. Box 20036  
Houston, Texas 77225  
(713) 500-3860  
Web site <http://www.uth.edu/sfs/>

The office is located at 7000 Fannin in the University Center Tower, Room 2220.  
Representative examples of available funds include:

### *Loan Funds*

American Dental Association - American Fund for Dental Health  
Bob Bland Memorial Student Loan Fund  
David R. Yarbrough Memorial Student Loan Fund  
The Dr. and Mrs. Charles Hoopingarner Emergency Loan Fund  
The Dr. Edwin L. Smith Emergency Loan Fund  
Elfriede Overweg Fund for Needy Students  
The Mrs. Elna Birath Emergency Loan Fund  
The Dr. Frederick C. Elliott Emergency Loan Fund  
Health Education Assistance Loans  
Health Professions Student Loan Fund

Houston N.W. Medical Center Hospital Auxiliary  
International College of Dentists Loan Fund  
Leo M. Levy Memorial Loan Fund  
Leonard I. Kercheval Memorial Loan Fund  
Loans for Disadvantage Students  
Memorial Student Loan Fund  
Mu Mu Chapter of Omicron Kappa Upsilon Loan Fund  
Perkins Loan Program  
PLUS/Supplemental Loan for Students  
Dr. Robert B. Everitt III Memorial Loan Fund  
Robert Wood Johnson Loan Fund  
Stafford Loan Program (formerly Guaranteed Student Loan Program)  
Texas HB 1147 Emergency Loan Fund/Resident  
Texas HB 1147 Emergency Loan Fund/Non-Resident

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## DDS PROGRAM SCHOLARSHIPS

The School of Dentistry is able to offer a limited number of competitive academic scholarships to each entering class of DDS degree candidates. These scholarships are made possible through the generous donations of the UTDB Alumni Endowment Fund, The Mu Mu Chapter of Omicron Kappa Upsilon Honorary Dental Society, and the Greater Houston Dental Society via the Daniel C. Kamas Memorial Fund. The scholarships, by direction of the sponsors, are primarily competitive academic scholarships, with the primary designation for superior academic performance and financial need. Additional criteria for scholarship consideration include all those factors utilized by the Admissions Committee in their selection process. The Daniel C. Kamas Scholarship requires the designation of one male and one female recipient per year. The award of scholarships is determined by the scholarship subcommittee of the Dental Admissions Committee, contingent upon approval by the Admissions Committee and the Dean. Award of scholarships on an annual basis is dependent upon funding by the supporting organizations.

Several Endowed Scholarships are also available to predoctoral students at the School of Dentistry. Each is listed separately below along with the endowment requirements for award:

- **Women of Rotary Scholarship**  
The endowment was established by the Women of Rotary Club of Houston. The endowment stipulates that recipients will be selected by the School of Dentistry Dean based on financial need and excellence in academic and clinical pursuits, subject to approval of the Women of Rotary Membership. Further, the Women of Rotary Club reserve the right to alter the terms of this endowment with regard to the amount of funds to be distributed or the designated recipients in the future. The scholarship is generally awarded to a third year predoctoral student.
- **Frederick C. Elliott/Severin Knutson/Rupert Estel Hall Dental Student Scholarship Fund**  
The endowment was established to fund scholarship for School of Dentistry students requiring financial assistance. The endowment allows for naming of recipients by the Dean based upon scholastic excellence and financial need. All dental students are eligible to be considered for this award. The award is only made when endowment performance allows for a minimum award of \$1,000.

- **The Ronald V. Glauser, D.D.S. Endowed Scholarship**  
The endowment was established to fund scholarships for School of Dentistry students requiring financial assistance. The recipient of the award is to be named by the Dean with the express criteria of financial need. All predoctoral dental students are eligible for consideration of this award. The award is only made when endowment performance allows for a minimum award of \$1,000.
- **The Moritz and Judith Craven Scholarship**  
The endowment was established by Drs. Moritz and Judith Craven via a foundation to fund scholarships for students enrolled at the School of Dentistry. The recipient is nominated by the Dean for consideration by the selection committee.
- **Alliance of the Texas Dental Association Endowed Memorial Scholarship Fund**  
The endowment was established to fund scholarship for the School of Dentistry students requiring financial assistance. The recipient of the award is to be named by the Dean with the express criteria of financial need. All predoctoral dental students are eligible for consideration of the award. The award is only made when endowment performance allows for a minimum award of \$1,000.
- **Corina Diaz, D.D.S. and Walter Bajsel Endowed Scholarship Fund**  
The endowment was created to support students in a School of Dentistry doctoral program, based on a combination of financial need and academic achievement, as determined by the Office of the Dean, with the recommendation of the Office of Student Affairs.
- **Dr. Donald Charles Kroeger Student Research Scholarship**  
The endowment was created by the heirs of Dr. Donald C. Kroeger, and is awarded competitively to a DDS student with academic excellence in basic sciences/pharmacology and basic science research. The decision of award comes from the Department of Dental Research, upon recommendation of the Kroeger scholarship committee.
- **Dr. Edgar H. Boelsche Scholarship**  
This scholarship was created by Margaret New Boelsche in memory of her husband, Dr. Edgar H. Boelsche of Ballinger, Texas. The award is based solely on the financial need of the student, as recommended by the Office of Student and Alumni Affairs to the Dean of the School of Dentistry.
- **Erbert W. "Danny" D'Anton, D.D.S., Memorial Scholarship Endowment**  
The endowment was created in memory of Dr. D'Anton, a longtime member of the faculty. The scholarship is awarded to students based on academic standing as determined by the Office of the Dean, with the recommendation of the Office of Student Affairs.
- **T. Bradford Willis Scholarship in Pediatric Dentistry**  
The scholarship was created by School of Dentistry Alumnus T. Bradford Willis, D.D.S., of Waco, Texas. The award is made to predoctoral students beginning their fourth year of study who have displayed the most interest, knowledge, and proficiency in pediatric dentistry during their third year. Preference is given to residents of the State of Texas.

- **President James T. and Nancy Beamter Willerson Endowed Scholarship in the School of Dentistry**

The scholarship was created in honor of former UT Health Science Center President Dr. James T. Willerson and his wife, Nancy, for students in good academic standing at the School of Dentistry. All predoctoral students are considered for this scholarship, as recommended by the Office of Student and Alumni Affairs to the Dean of the School of Dentistry.

- **Iola B. and James R. Ballinger, D.D.S., Scholarship in General Dentistry**

The scholarship was created by a gift from Dr. James Ballinger of Weimar, Texas, for students already enrolled at the School of Dentistry who demonstrate a superior interest, knowledge, and proficiency in general dentistry in their previous need, and have a recognized financial need for support during their time at the school.

- **Kinnari M. Prajapati, D.D.S., Scholarship Fund**

The scholarship was created by School of Dentistry graduate Kinnari M. Prajapati, D.D.S., of Temple, Texas, to provide scholarships to third-year students in general dentistry who demonstrates a superior proficiency and knowledge as displayed in their previous year of study.

- **Carus Dental Scholarship Fund**

The scholarship was created by a gift from American Dental Partners Foundation of Wakefield, Massachusetts, and at the discretion of the Dean of the School of Dentistry, provides awards to third- or fourth-year predoctoral students in good standing who display attributes of a professional capable of entering a dental group practice with the appropriate skills of teamwork, clinical experience, qualities of leadership, and ethical and professional behaviors.

- **Dr. Kenneth H. Porter Operative Dentistry Scholarship**

The scholarship, created in memory of longtime faculty member Kenneth H. Porter, D.D.S., provides scholarships to students in good academic standing who present appropriate skills in operative and restorative dentistry, and who exhibit a work ethic in his/her approach that indicates an aptitude for dentistry beyond academic measurement. The recipients are selected with the approval of the Dean of the School of Dentistry.

- **Foster-Vance Dental Scholarship**

The scholarship, created by gifts from James R. Foster, D.D.S., and T. Beth Vance, D.D.S., of Weslaco, Texas, will provide for support of students in their third or fourth year of predoctoral study who show academic promise and interest in the area of pedodontics. The award will be made, when possible, to qualified students from the South Texas area, as defined by the School of Dentistry, and as directed by the Dean of the School of Dentistry.

## ACADEMIC STANDARDS

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### Grading System

**Passing:** Final course grades are numerical. A grade of 70 or above is considered passing; students are required to obtain a passing grade in every course. An overall average of 76 for all course work during each year must be maintained for promotion and graduation.

**Failing:** A course grade of 69 or below is considered failing. Failure of any course during any semester or failure to maintain a passing status may result in repetition of a course, repetition of an academic year, dismissal, or other action. Failure of more than one course in any semester may result in dismissal. If repetition or other remediation is approved by the respective Student Evaluation and Promotion Committee, only one attempt may be made to improve the grade (absent compelling circumstances).

If a student successfully remediates a course by obtaining a minimum grade of 70, the student will receive a grade of 70. Students receiving a grade of less than a 70 for remediation will receive the failing grade. Students who are unsuccessful in their attempt to remediate a course failure will be subject to appropriate academic action by the Student Evaluation and Promotion Committee, which may include repetition of the course, repetition of an academic year or, dismissal.

**Registration:** Qualification for registration requires that each student satisfy institutional policy with respect to successful completion of courses, clinical procedures, and grade averages. Registration may be denied if stated requirements have not been fulfilled.

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### Progress Evaluation and Academic Actions

The School of Dentistry Student Evaluation and Promotion Committee consists of four subcommittees: The First Year Dental Student Evaluation and Promotion Subcommittee, the Second Year Dental Student Evaluation and Promotion Subcommittee, the Third/Fourth Year Dental Student Evaluation and Promotion Subcommittee, and the Dental Hygiene Student Evaluation and Promotion Subcommittee. Each Subcommittee has a Chairperson. One of the four Chairpersons also serves as Chair of the School of Dentistry Evaluation and Promotion Committee.

Student progress is evaluated at least two times per Fall/Spring semester by the respective Student Evaluation and Promotion Subcommittee. This committee is charged with reviewing student progress and recommending action to the Associate Dean for Academic Affairs. The ultimate decision in matters of academic standing lies with the Dean based on recommendations of the respective Student Evaluation and Promotion Subcommittee (and any ad hoc Appeals Committee, if appropriate), and the Associate Dean for Academic Affairs. The respective Student Evaluation and Promotion Subcommittee base its recommendation on the following academic criteria:

- Didactic performance
- Preclinical lab performance
- Clinical performance
- Course failure
- Professional Development, professionalism, and ethical conduct

Students who fail to perform satisfactorily in any of the above listed areas will be recommended for corrective action to the Associate Dean for Academic Affairs by the respective Student Evaluation and Promotion Subcommittee. These students will receive written notification defining their deficiencies and the corrective action they must take, if any. Failure to meet standards established in any corrective action plan will result in further academic action, including dismissal.

**End of Fall Semester Evaluation:** At the end of the Fall Semester, every student is expected to have successfully completed all courses and clinic expectations for the Fall Semester with a cumulative average of 76 or above.

**End of Year Evaluation:** At the end of an academic year, every student is expected to have successfully completed all courses and clinic expectations for the year with a cumulative average of 76 or above.

Students who exhibit exemplary professional behavior and whose academic performance ranks them in the upper 10 percent of the class for the year will be included on the Dean's Student Excellence List.

**Promotion:** In order to be considered for promotion, a student must maintain a minimum cumulative grade average of 76 with successful completion of all courses and clinical expectations for a given year as outlined in course syllabi, the Student Guide to Academic Studies, Clinical Procedures and Operation Manual, and School of Dentistry Catalog.

**Examinations:** Clinical, laboratory, and course examinations may be administered each semester to provide both students and faculty the opportunity to evaluate the student's level of achievement. The date and time of examinations are published in course syllabi and student schedule.

Students are expected to complete the Doctor of Dental Surgery Program in four academic years. Due to extenuating circumstances, including leaves of absence, repeating a year, clinical activities, and academic performance, students may need more than four academic years to complete the program. If additional time to complete the program is granted, the program must be completed in no more than six academic years from the time of a student's initial enrollment. Under extremely unusual circumstances, a student may petition in writing for an exception to this policy. The petition must be sent to the Associate Dean for Academic Affairs; the request shall be reviewed by the Dental Student Evaluation and Promotion Committees; the decision of the Committees is final.

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## **APPEAL PROCESS**

A School of Dentistry student may appeal any academic corrective action and/or recommendation of dismissal by an Evaluation and Promotion ("E & P") subcommittee to the Associate Dean for Academic Affairs, in writing, within three calendar days after receipt of notice of the academic action. The student must provide the Associate Dean for Academic Affairs a "complete" appeal, which includes at least a written statement clearly explaining all rationale for the appeal and any additional documentation the student possesses that the student believes supports the student's rationale for the appeal.

The Associate Dean for Academic Affairs will refer each complete appeal to an Ad Hoc Appeal Committee ("Appeal Committee"). The Office of the Associate Dean for Academic Affairs will

assist by scheduling the meetings of the Appeal Committee.

- The Chair of the Appeal Committee will be selected and appointed by the School of Dentistry Committee on Committees and approved by the Faculty Senate (an alternate Chair will also be selected from among the faculty of the School of Dentistry). The Chair will preside over the Appeal Committee. The length of the Chair's term will be three years. The alternate will preside over the Appeal Committee in the event that the Chair is unable to attend.
- The Appeal Committee will be made up of the chairs of each of the E & P subcommittees not involved in the academic action being appealed. Vice chairs of the E & P subcommittees may serve in this role in the event a subcommittee Chair is unable to participate. In addition, an additional member of the Appeal Committee will be selected by the Associate Dean of Academic Affairs from among School of Dentistry faculty. This member of the Appeal Committee cannot be the student's faculty advisor or a member of the E & P subcommittee making the decision being appealed.
- Each of the Appeal Committee members will have one vote. In the case of a tie vote, the Chair of the Appeal Committee will vote to break the tie.

The Appeal Committee will review the student's written statement and documentation, if any, submitted by the student, meet with the student, the student's faculty advisor, the Chair of the E & P subcommittee taking the academic action being appealed, and other individuals at the discretion of the Chair of the Appeal Committee. The Chair of the Appeal Committee shall submit a final recommendation to the Dean within seven calendar days of the final Appeal Committee meeting. The Dean shall consider the recommendation of the Appeal Committee, may review the materials submitted to the Appeal Committee, and may interview other individuals. At his or her discretion, the Dean may meet with the student. The student will be notified of the Dean's decision within 10 calendar days after the Dean's receipt of the Appeal Committee recommendation. The Dean's decision regarding the academic action of the E & P subcommittee is final.

The student, upon written request to and approval in writing from the Associate Dean for Academic Affairs, may continue academic studies while the appeal of an academic action is under review and until the student receives notification of a final decision by the Dean.

If after the appeals process is completed an academic action of dismissal is upheld, a dismissed student must immediately discontinue participating in all School of Dentistry educational activities. All personal belongings must be removed from the School of Dentistry facilities immediately upon following receipt of the final decision of the Dean.

The School of Dentistry Student Evaluation and Promotion Committee consists of four subcommittees: the First Year Dental Student Evaluation and Promotion Subcommittee, the Second Year Dental Student Evaluation and Promotion Subcommittee, the Third/Fourth Year Dental Student Evaluation and Promotion Subcommittee, and the Dental Hygiene Student Evaluation and Promotion Subcommittee. Each subcommittee is led by a Chair and a vice chair.



## GRADUATION REQUIREMENTS

In order to be eligible for graduation, a student must complete the following requirements:

- Successful completion, of the School of Dentistry curriculum as validated by the departments, the Student Evaluation and Promotion Committees, and the Administration.
- Maintenance of a minimum cumulative grade average of 76 for didactic courses.
- Maintenance of a minimum cumulative grade average of 76 for preclinical laboratory courses.
- Maintenance of a minimum cumulative grade average of 76 for clinical courses.
- Satisfactory completion of all required competency examinations.
- Satisfactory completion of all extramural rotations.
- Satisfactory completion of a minimum of four semester hours of Electives and satisfactory completion of two School of Dentistry Continuing Dental Education Courses.
- Passing score on Part II of the National Board Dental Examinations.
- Payment of all outstanding fees and return of all loaned equipment.
- Sustained record of satisfactory moral, professional, and ethical behavior.

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## CURRICULUM

The dental curriculum has been designed to maximize the student's learning experience. There is intentional integration of the various disciplines to aid the student in assimilating the knowledge base necessary for developing a sound decision-making process and the technical skills necessary in dentistry. The building blocks of this model are the various courses, laboratories, and clinics offered at the School of Dentistry.

Each course is overseen by a course director, who has the responsibility of organizing the educational material contained in the course as well as the efforts of the other faculty who act as course contributors. The ultimate responsibility for each course lies with a specific department chairperson (usually the chairperson of the department of which the course director is also a member).

Each course utilizes a variety of educational instruments to aid the student in learning. These may include traditional lectures, textbooks, and other printed materials and non-print media such as videotapes, microfiche, and web-assisted instruction.

Each of the courses in the curriculum is overseen by a specific department chairperson. The School of Dentistry academic departments are as follows: Diagnostic Sciences, Endodontics, Oral and Maxillofacial Surgery, Orthodontics, Pediatric Dentistry, Restorative Dentistry and Prosthodontics, Periodontics and General Practice and Dental Public Health.

The educational program in the School of Dentistry continues throughout the calendar year with approximately four weeks off in the Summer, three weeks at the end of the Fall semester and one week during the Spring Semester.

## COURSES OF INSTRUCTION/DESCRIPTION

Courses of instruction are identified by an eight-character number. The first four characters indicate the type of course and semester. The first digit indicates the year, the second and third digits indicate the department and section, and the last digit is a unique number assigned to each course in the respective department and section.

**Note: Course descriptions are intended to represent skills and knowledge that should accompany successful completion of the course and should not be construed as a guarantee or warranty by UTHSC-H of the required level of achievement by every student.**

### **FIRST YEAR**

#### **DENS 1504 Neurosciences 3.5 cr**

This course covers the aspects of the structure and function of the Central Nervous System (CNS) essential for understanding neurologically-related clinical problems, including cranial nerve disorders, neurological syndromes, mechanisms of pain production and perception and the neurophysiology of mastication and occlusion. At the conclusion of this course, the student should be prepared for detailed study of the medications affecting the nervous system, and for consulting with physicians with respect to patients suffering from neurological disease.

#### **DENF 1510 Biomedical Science Core 6.0 cr**

The course is designed to present foundational knowledge starting with biochemical building blocks and proceeding to the cell and tissue levels. The course will integrate biochemistry, general histology, anatomy, immunology and physiology.

#### **DENF 1511 Oral Biology I 4.0 cr**

The course is designed to present a roadmap of the oral cavity, looking at a broad integrated view of the oral anatomy, oral histology, saliva, clinical and oral immunology, embryology, and oral microbiology.

#### **DENS 1512 Head and Neck Anatomy .0 cr**

The course will be lecture and dissection of the head and neck region with an emphasis upon the acquisition of critical knowledge for a practicing dentist.

#### **DENS 1513 Human Biology 5.0 cr**

This course integrates the anatomy, histology, and physiology of the major system of the human body and how these topics interrelate in a healthy individual.

#### **DENS 1514 Oral Biology II 1.0 cr**

This course provides in-depth information on oral histology and the temporomandibular joint.

#### **DENF 1543 Clinical Applications I 2.5 cr**

The course is designed to be a small group learning opportunity for student to correlate topics presented in the Biomedical Science Core and Oral Biology I course as well as other dental courses, through case based discussions and projects

#### **DENS 1544 Clinical Applications II 2.5 cr**

The course is designed to be a small group learning opportunity for student's to correlate topics presented in Head and Neck Anatomy, Neurosciences, Human Biology and Oral Biology II as well as other dental courses, through case-based discussions and projects.

#### **DENU 1561 Principles of Pharmacology 1.0 cr**

This course relates to the study of the basic principles of how the body responds to and reacts to administered agents. This course is composed of three subtopics: Pharmacodynamics; Pharmacokinetics and Pharmacotherapeutics.

**DENU 1562 Local Anesthesia 1.0 cr**

This course is essential for the performance of a great majority of the clinical procedures students use in treating patients throughout a career. The goal is for students to learn the pharmacology and toxicology of dental local anesthetic drugs and the proper techniques for their administration.

**DENF 1601 Dental Anatomy I 2.0 cr**

Knowledge of dental anatomy and occlusion is fundamental in the study and practice of all the disciplines of dentistry. It is essential in diagnosis, treatment planning, and treatment. Students are required to learn the anatomical and morphological characteristics of the teeth and their supporting structures, inter-arch and intra-arch relationships and eruption. Combined with the complementary lab courses, students will be able to fabricate dental restorations that meet anatomical, morphological, and functional requirements. This course also provides preparation for the Dental Anatomy and Occlusion section of the National Board Dental Examination-Part 1.

**DEPF 1602 Dental Anatomy Lab I 1.0 cr**

In this lab course, students will have the opportunity to learn the psychomotor skills and develop the judgment required to restore teeth. Dental inlay wax will be manipulated to restore missing tooth structure to prepared teeth, so that the restored teeth meet morphological and functional requirements. Students will learn to evaluate a wax-up in four aspects: marginal integrity, surface finish, anatomic form, and occlusal relationship.

Students will have the opportunity to learn how the Whip Mix Articulator functions and how to set the anterior guide table to match the anterior guidance of models mounted on the articulator. Students should acquire basic concepts of dynamic and static occlusal relationships, and learn how to apply these concepts in the fabrication and evaluation of restorations.

**DEPS 1604 Dental Anatomy Lab II: Occlusion Lab 2.0 cr**

In this lab course dental inlay wax will be manipulated to restore missing tooth structure to full crown preparations of selected anterior and posterior teeth. For each preparation, students fabricate a full crown wax pattern that meets anatomical, functional and restorative requirements. Student evaluates each wax-up in four aspects: marginal integrity, surface finish, anatomic form, and occlusal relationships.

**DEPS 1614 Operative Dentistry I 4.0 cr**

This course prepares the student to transfer knowledge and skills pertaining to operative dentistry procedures (silver amalgam restorations, composite resin restorations and current bonding systems, techniques) from the dentaforms on the laboratory bench to the clinical setting on a patient. Students will perform the operative procedures on dentaforms mounted in the Kavo heads utilizing direct and indirect vision to simulate clinical operative dentistry procedures. Students will learn how to position the head, the chair, and hand positions for handpiece and instrument utilization that will enable students to perform operative restorative procedures within the Kavo head that simulates the restricted working area of the oral cavity on a patient.

Students will also be introduced to advanced composite resin restorations and the techniques and fabrication procedures involved in their application. Students will learn the correct technique for utilization of a current bonding system as well as becoming knowledgeable regarding the rationale of eective bonding.

**DENF 1621 Ethics in Dentistry 0.5 cr**

This course helps students understand the place of ethics in professional life, to recognize when an ethical problem exists in the performance of academic work, clinical treatment, or research, and to have the capability of analyzing and addressing the problem. The monograph articles represent a diversity of views that relate to the series of ethical issues raised in class discussions. This course seeks to emphasize that ethics is a working discipline to help a dentist understand how to make critical decisions, and how to take appropriate and logical actions in dealing with patients, colleagues, and society.

**DENF 1624 Dental Practice Readiness Curriculum I 1.5 cr**

This course is designed to facilitate the creation of a personal strategic plan for a successful career and introduces the principles and the practice of personal finance.

**DENF 1651 Foundational Skills for Clinic I 1.0 cr**

This course will introduce students to foundational skills needed in the clinical setting. Students have the opportunity to learn the importance of infection control and the practical maintenance of barriers to infection in the operator. Students gain an awareness of the Health Insurance Portability and Accountability Act (HIPAA) and its impact on clinical activities as it relates to patient privacy and confidentiality. Students learn the proper methods of taking and evaluating vital signs. Students are introduced to the principles of fourhanded dentistry, communication skills and the proper positioning of operator and patient in the Dental Auxiliary Utilization clinic. Students learn how to evaluate and treat a patient who sustains cardiac arrest or an airway obstruction in the dental office through the techniques of CPR and Foreign Body Airway Obstruction. Students learn to recognize the early warning signs of a heart attack and the lifestyle changes that may help prevent cardiac arrest. Students learn to arrange the clinic cubicle in a manner promoting efficiency during treatment. Students participate in four-handed dentistry, reinforcing pre-clinical learning, by assisting an upperclassmen or post-graduate resident chair-side. Students prepare the clinic cubicle according to infection control guidelines for the treatment of a patient, and break down the cubicle after the session. Students practice proper infection control standards during each chair-side assist. Students obtain accurate vital signs on patients. This course will prepare students for DENF 2704 Introduction to Clinic.

**DENS 1652 Foundational Skills for Clinic II 1.0 cr**

Students will continue to build on the concepts learned in Foundational Skills for Clinic I course.

**DENF 1672 Biomaterials I 1.0 cr**

This course provides an applied science foundation for understanding important physical, chemical, and mechanical properties of dental materials. The effects of composition and manipulation on the properties and clinical success of selected dental materials will be emphasized. Appropriate biological properties will be described. This course provides students with the knowledge of how the composition and manipulation of selected dental materials affect their properties and clinical success.

**DENU 1703 Oral and Maxillofacial Radiology 1.5 cr**

This course introduces students to the basic principles of oral and maxillofacial radiology. The radiographic examination plays an integral role in the diagnostic process in dentistry in conjunction with the clinical examination. Only those conditions and disease states which are detected by examination of the patient can be addressed. The preclinical laboratory sessions are designed to perfect the student's technical skills and familiarize them with the variability of normal radiographic anatomy.

**DENU 1704 Introduction to Clinic 2.0 cr**

This course introduces students to the clinical environment and familiarizes them with the steps in doing a comprehensive exam. In addition, it allows students to develop and interpret basic diagnostic aids that enable them to arrive at a diagnosis and treatment outline. Students also become familiar with techniques used to perform a prophylaxis. This course guides students through the process necessary to collect information, interpret that information, and use it in formulating a diagnosis and develop a treatment plan.

**DENU 1721 Perio I: Diagnosis & Treatment Planning 1.0 cr**

This course reviews and expands the student's knowledge regarding the biology of the healthy periodontium. It also introduces students to current classifications of periodontal diseases and fundamental knowledge of the epidemiology, etiology, microbiology and immunology of periodontal diseases. Basic information is integrated with necessary clinical skills to evaluate and diagnose all currently recognized forms of periodontal diseases. This includes the ability to recognize the less common forms of gingivitis and periodontitis and those systemic condition forms of which may influence the initiation, progression, or treatment of periodontal diseases.

**DENS 1931 Basic and Applied Nutrition 1.0 cr**

This course helps students acquire a basic understanding of human nutrition in the context of oral health and disease. It is recognized that the oral cavity is part of the total body system; many fundamental concepts which apply to overall health must be considered in the context of this course. Students are expected to be able to apply the concepts learned in this course to patient diagnosis and treatment planning taught later in the curriculum.

Topics in this course include the basics of nutritional assessment, nutrients as an energy source, carbohydrates, lipids and proteins in food, weight control, vitamins and minerals, and the application of basic nutrition to clinical treatment. An explosion of new information concerning the role of human genetics in nutrient utilization is in progress. New genes are being identified that control basic metabolism, and which may account for much of the individual variation in body form and metabolism. Students are encouraged to develop the habit of lifelong learning, and as health professionals, to continue to incorporate new discoveries into their daily practices.

**DENF 1934 Prevention of Oral Diseases 1.5 cr**

This course will provide students with the necessary information and skills to plan and implement oral health prevention programs. It will emphasize health promotion and prevention at the community and individual levels. This course attempts to make students aware of how cultural traditions and socioeconomic status influence the way individuals seek oral health care. To affect this awareness, students provide oral health promotion and prevention programs for selected schools, community health centers, and community groups. The Greater Houston Area Health Education Center (AHEC) will help identify sites that reflect the diverse cultural, ethnic, racial, and social makeup of the state of Texas.

Instructional methods used in this course are lectures and service-learning activities. The service-learning activities provide both a community service and an opportunity for student reflection via the use of group discussions, journals, and oral presentations. Through a partnership with the AHEC, students are assigned a community site where they will plan and present oral health education programs. The structured community outreach gives students a chance to explore their values, gain knowledge and appreciation of diverse communities and their cultural traditions, and develop a better understanding of oral health needs of populations.

This course provides students with the background information for the community oral health presentation they will make in DENF 2704, Introduction to Clinic.

**DENF 1991 Introduction to Dental Informatics 0.5 cr**

This course offers an introduction to dental informatics and the technological environment of the School of Dentistry, the information resources to which students have access, and the fundamental skills necessary to navigate within this environment. Dental informatics is the study of how health related information is collected, stored, communicated and presented to enhance patient care and discovery. The course includes an emphasis on understanding the critical role of data and information in dentistry. The course reviews the concepts of clinical decision-making, critical thinking skills, clinical effectiveness, evidence-based dentistry, and the ability to retrieve and critically evaluate information resources.

Using a combination of lectures, demonstrations, and an online approach (Blackboard), students will complete course readings, tutorials, and exercises.

This course should give each student a broad understanding of dental informatics information resources and familiarity with clinical technologies available to the dental professional. Using the principles of evidence-based dentistry and the critical thinking processes introduced in this class, students are able to analyze various information resources and evaluate them appropriately. The skills gained in this course should be applied by the student in basic science, behavioral science, and clinical courses throughout their tenure as students at the School of Dentistry. Dental informatics should provide the foundation for an active learning process both in dental school and in the future as dental practitioners.

**SECOND YEAR**

**CLIN 2502 Second Year Fall Clinic 3.0 cr**

This course serves as an opportunity for students to gain experiences necessary to provide clinical care to patients. Students will have rotations that provide experience with virtual patients, community rotation, provide anesthesia and work in a mentored environment within their assigned group practice. Students will begin actual treatment of patients as they are assigned appropriate clinical cases.

**CLIN 2503 Second Year Spring/Summer Clinic 2.0 cr**

In this course students are expected to gain experience and knowledge in the following clinical areas: electronic patient record (EPR), infection control, diagnosis and treatment planning, radiology, periodontics, anesthesia, and operative dentistry.

The Second Year clinical experience is enhanced by the student's knowledge gained through the basic science courses as well as the pre-clinical didactic and laboratory courses.

**DENF 2564 Dental Therapeutics 2.0 cr**

The course is designed to provide knowledge of drugs commonly used in the treatment of dental disease. Students will also study drugs primarily used in medicine, which fit in the same categories as dentally used drug, whenever it is appropriate. Topics include antibiotics, autonomic drugs, pain and anxiety control drugs, inflammation and anti-inflammatory drugs, anticaries and antiplaque agents. Principles and application of prescription writing are integrated throughout the course.

**DEPF 2614 Operative Dentistry II: Simulation 4.0 cr**

This course prepares students to transfer knowledge and skills pertaining to operative dentistry procedures (silver amalgam restorations, composite resin restorations and current bonding systems, techniques) from the dentafoms on the laboratory bench to the clinical setting on a patient. Students perform the operative dentistry procedures on dentafoms mounted in the Kavo heads utilizing direct and indirect vision to simulate clinical operative dentistry procedures. Students learn how to position the head, their chairs, and hand positions for handpiece and instrument use enabling students to perform operative restorative procedures within the Kavo head simulating the restricted working area of the oral cavity on an actual patient. Students are also introduced to advanced composite resin restorations and the techniques and fabrication procedures involved in their application. Students will have the opportunity to learn the correct technique for use of a current bonding system and become knowledgeable regarding the rationale of effective bonding.

**DPRC 2624 Dental Practice Readiness Curriculum II 1.5 cr**

This course teaches students to apply the framework of strategic planning to dental office management. Building on DPRC I, DPRC II applies the knowledge and those skills to key non clinical components of dental practice, including dental office layout and equipment, practice revenues versus practice costs, and basics of office finance.

**DENF 2705 Pathobiology 6.0 cr**

The course is designed to provide foundational knowledge of the etiology, pathogenesis, morphologic changes, and functional consequences of pathologic processes. The course will encompass the general principles and mechanisms of diseases, as well as the pathologic mechanisms of the various organ systems.

**DENS 2706 Oral Diseases 4.0 cr**

The course is designed to present a comprehensive background on a wide variety of diseases that affect the oral and maxillofacial regions. Information necessary to identify and manage disease in a private practice setting will be provided. Case based discussions will support the didactic instruction.

**DEPS 2712 Endodontics I: Simulation 2.0 cr**

This course provides practical preclinical experience in performing a nonsurgical root canal treatment on uncomplicated anterior, premolar, and molar teeth, and prepares students in the management of pulpal and periradicular disease through a series of classes and laboratory sessions, including various simulation projects. Problem-solving skills, critical-thinking, patient-simulation, radiology, and self-assessment criteria are emphasized throughout the course.

**DENF 2722 Periodontics II: Nonsurgical Periodontics Therapy 1.0 cr**

This course introduces students to the basic principles of periodontal therapy. The core of the course emphasizes the initial phase of periodontal treatment and exposes students to the basic techniques used to eliminate the etiologic factors involved in the development of inflammatory periodontal diseases. Additionally, students are introduced to occlusion as it relates to the nonsurgical phase of periodontal therapy. Clinical decision criteria are presented in order to familiarize students with the concepts of maintenance of periodontal health. Scaling and root planning are taught to students through sessions and a laboratory exercise. This laboratory exercise emphasizes skills essential to scale and root plane periodontally affected teeth.

Students should also become familiar with the sequence and phases of periodontal therapy, have the opportunity to understand the rationale for the elimination of etiologic factors to control



the most common forms of periodontal diseases, and be able to reevaluate periodontal tissues and develop a periodontal treatment plan. Students should learn the clinical skills necessary to correctly use periodontal instruments utilized for the elimination of plaque and calculus, to understand the significance of occlusion in the treatment of periodontitis. Most importantly, students should understand the significance of evaluating periodontal tissues and be able to make clinical decisions whether to improve or maintain the periodontal health obtained after therapy.

**DENS 2801 Oral and Maxillofacial Surgery I 1.0 cr**

This preclinical course introduces students to oral and maxillofacial surgery and prepares them for clinical experience with dentoalveolar surgery. Students will have the opportunity to learn to thoroughly assess patients and to effectively diagnose and treat basic oral surgical problems encountered in general practice.

Students are exposed to the basic principles of surgery, especially oral surgery. This course emphasizes the concepts of patient management: medical and dental history taking, review of systems, tissue handling, and wound repair. Students learn basic surgical principles associated with uncomplicated and complicated exodontia, soft tissue mucoperiosteal flap design, aseptic technique, and surgical armamentarium. Other areas of emphasis include assessing the importance of vital signs and assessing bleeding disorders as they relate to the surgical patient. The informed consent process and medicolegal issues are presented in the context of the clinician's duty and responsibility as it relates to standard of care issues and the surgery patient. This course also teaches students to develop an organization of thought in patient/case presentation.

**DENS 2804 Essentials of Medicine I 3.0 cr**

The course is design to prepare students to recognize the physical signs of systemic disease while learning the essential techniques of medical history and physical. Students learn to collect adequate information of factual information, correlate and analyze clinical and radiographic findings, establish a differential diagnosis and develop a dental management plan based upon the patients treatment needs. Pathology, pathophysiology, medical pharmacology, and dental management are emphasized. A practical application component will be provided.

**DEPS 2908 Fixed Prosthodontics - FPD 2.0 cr**

This course introduces students to basic principles of fixed partial prosthodontics. It is designed to teach students the terminology, materials, techniques, and basic principles of treating patients with fixed partial dentures (FPD). Students acquire the knowledge and skills to diagnose and treatment plan gold and metal-ceramic FPD. Students learn the basic principles and skills to prepare, provisionalize, and fabricate FPD and prepare cases for fabrication in a remote dental laboratory. Students are introduced to ceramic materials for esthetics, the basic principles of esthetics, and indications for their use.

**DEPF 2912 Indirect Single Unit Restoration 4.0 cr**

In this course students are introduced to the disciplines of biomaterials, operative dentistry and fixed prosthodontics. The course addresses the terminology, materials, techniques, and basic principles involved with prosthodontic diagnostic procedures, tooth preparations (inlays, onlays, full gold, metal-ceramic) impression making and master cast fabrication, interim restoration, waxing and occlusion, and the fabrication of cast restorations using the lost wax process. Students learn how to fabricated castings for try in and cementation.



**DEPF 2913 Removable Prosthodontics I 2.0 cr**

This course is the first part of a series of preclinical preparation courses in basic prosthodontic principles. The purpose of this course is to introduce the student to the basic principles of removable prosthodontics. The course will address the treatment of patients requiring complete denture (CD) therapy and removable partial denture (RPD) therapy. Students will acquire the knowledge and skills to diagnose and treatment plan patients who are either edentulous or partially edentulous. Students will learn the fundamentals of nomenclature, classification, survey/design, and mouth preparation along with the basic sequence of treatment as it relates to the construction, delivery and maintenance of a CD and an RPD. Students will become proficient in the concepts of CDs, designing basic RPDs and in the preparation of work authorizations for the production in the dental laboratory. Students will gain a knowledge of and appreciation for the supportive dental laboratory procedures.

**DEPS 2914 Removable Prosthodontics II 1.0 cr**

Students will continue to build on the concepts learned in Removable Prosthodontics I course.

**DENS 2915 Implantology I 1.5 cr**

Students are introduced to the didactic and technical aspects of placing and restoring dental implants for a two implant supported overdenture and a single-implant supported crown. Students are introduced to all phases of the treatment of these two types of cases to include: treatment plan, diagnostic wax-up, fabrication of implant stents, surgical placement of implants, selection of abutment components, provisionalization, and completion of the final prosthesis through lecture and hands-on laboratory exercises. Students learn the foundational knowledge and skills required discussing the potential of implant treatment with a patient, and to treatment plan and restore a non-complex implant case in the third and fourth year clinics.

**DENS 2936 Behavioral Context of Dental Patient Management 1.0 cr**

This course familiarizes students with the behavioral science aspects of dental patient management. This course attempts to create an awareness of the unique developmental and behavioral facets of the dental patient at each stage of the life span, and to provide the student with the basic knowledge necessary to understand human behavior as it applies to the practice of dentistry. Behavioral concepts covered include cognitive and psychosocial development, aging and ageism, verbal and nonverbal communication, behavior management, stress and coping; pain, anxiety and fear, non-pharmacological methods of anxiety management, and smoking cessation.

This course utilizes a team-based learning format. This course also incorporates the use of standardized patients to promote development of patient interaction skills in a controlled setting and where students receive immediate feedback on their performance from a patient's perspective.

**DENS 2961 Growth & Development 0.5 cr**

This course introduces students to the basic concepts in physical growth and development. Information on physical growth and dental development is presented sequentially beginning with prenatal growth and extending into adult life where developmental changes continue at a slower pace. Students are introduced to basic concepts of postnatal human growth and development, to the nature of craniofacial growth, and to the theories of craniofacial growth. The etiology of malocclusion and the special developmental problems of children with malocclusion and dentofacial deformity are considered in some detail. Students should learn the basic techniques in the assessment of the developing child using four separate analyses: cephalometric, facial form, space, and hand wrist analyses. Students should learn the skills

necessary to evaluate and to suggest treatment plans for a number of frequently encountered clinical problems of children.

**DENF 2962 Pediatric Dentistry I 1.0 cr**

This course, prepares students to render dental treatment to pediatric patients. Students should learn to recognize the differences that exist in the delivery of treatment to children and adults. This course introduces child development, growth and development of the dental arches, and behavior management necessary in the treatment of children. Students should acquire a thorough understanding of the development and morphology of primary and permanent teeth, their eruption sequences, and common developmental disturbances frequently seen in growing children. A review of the cariogenic theories and caries prevalence, as it relates to the developing child, is discussed. This course provides indications and contraindications for fluoride supplementation and sealants, along with necessary information regarding oral hygiene instructions and nutrition requirements of pediatric patients. Students should learn to recognize common signs of child abuse and the appropriate agencies to which they are required by law to report suspected cases of abuse. Common periodontal problems in children are also introduced.

**DEPS 2963 Pediatric Dentistry II 2.0 cr**

This course introduces restorative techniques, both cavity preparation and restoration placement, in primary teeth as well as young permanent molars. In the laboratory section, students should learn to prepare primary teeth for the most common types of restorations currently utilized in pediatric dentistry, with emphasis placed on the differences necessary for primary or permanent teeth. The space maintenance portion of the course teaches students indications and contraindications for various space maintainers. The laboratory section teaches the proper construction of these appliances. Diagnosis, treatment planning, and proper treatment of pulpal problems in the primary and early mixed dentition is discussed. Recognition of gingival and periodontal problems as well as hard and soft tissue lesions in children is presented. The final presentations, diagnosis and treatment planning, involve a series of comprehensive case presentations. This course should prepare students to become competent in the formulation of a comprehensive treatment plan for children that they will be treating in the dental clinic.

**DENU 2991 Interdisciplinary Biological Sciences Review 1.0 cr**

The objective of this course is to provide a review of the specific topics that will help the student prepare for the National Board Dental Examination, Part I (NBDEI). Where possible, emphasis will be placed on assisting the student in identifying areas of integration between the subtopics in Basic Sciences, especially in the areas of immunopathology, biochemistry-physiology and embryology-anatomy. A mock NDBE examination will be provided to allow the student to assess his or her progress in self-study and identify specific areas of weaknesses and strengths.

**THIRD YEAR**

The CLIN 3000 series listed below are third-year courses that provide an opportunity for clinical experience in the indicated clinical discipline. Students perform comprehensive dental care under the supervision of faculty from all clinical departments.

**CLIN 3001 Pediatric Dentistry Clinic 2.0 cr**

This clinic course prepares dental students to render dental treatment to pediatric dental patients. Students learn to recognize the differences that exist in the delivery of treatment of children and adults. Students learn to perform a comprehensive oral examination using all the

necessary diagnostic tools to evaluate the dental needs of the pediatric or mixed dentition patient to develop a thorough, comprehensive treatment plan. Students learn to recognize the need for and management of space maintainers. The student will be required to recognize the need to refer treatment beyond his/her expertise. Prevention is emphasized, recognizing the child's level of cognitive and psychomotor development, and parental cooperation and interaction. This course develops the student's skills in the management of both the pediatric patient and their parents, including application of behavior modification skills. The course teaches students to be competent in operative dental procedures modified for use with primary and young permanent teeth, including the administration of local anesthesia and pain control.

**CLIN 3002 Endodontics Clinic 1.0 cr**

This clinical course enables students to become competent endodontic practitioners by integrating pre-clinical principles and techniques into clinical patient treatment. Quality endodontic patient treatment requires that a practitioner possess and apply basic sciences knowledge in pharmacology, physiology, microbiology and immunology into the various technical aspects of treatment. Although a wide spectrum of endodontic treatment is possible, primarily non-surgical treatment of anterior, premolar, and uncomplicated molar teeth will be performed.

**CLIN 3003 Radiology Clinic 1.0 cr**

This clinical course affords students the opportunity to integrate principles of preclinical training into the diagnostic process. Students utilize various types of radiographic surveys for their patient evaluations, including the full mouth survey (FMS), partial FMS evaluations, and panoramic evaluations. This course should provide students vital practical experience essential to become proficient in diagnostic radiography.

**CLIN 3005 Prosthodontics Clinic 6.0 cr**

This clinical course introduces students to the clinical aspects of delivering patient care in the specialty of prosthodontics. It is designed to provide the student the opportunity to use critical thinking skills by utilizing information learned in basic sciences, clinical disciplines, and pre-clinical laboratories to treat patients in a clinical setting. Students should develop the necessary skills for gathering diagnostic information, developing a sequential treatment plan, and performing prosthodontic procedures using sound clinical judgment.

**CLIN 3006 Operative Dentistry Clinic 4.0 cr**

This clinical course helps increase the student's knowledge and improve skills in clinical Operative Dentistry. The course focuses on the management and comprehensive dental care of patients requiring basic operative dentistry procedures. Students also continue to develop patient assessment, diagnosis, prognosis, and treatment planning abilities to help ensure success of subsequent fundamental Operative Dentistry procedures. Emphasis is placed on the delivery of quality, compassionate, and ethical comprehensive dental care. This care includes: 1) the evaluation of the health of pulpal tissue as it relates to the restoration of damaged teeth; 2) the evaluation of the periodontium as it relates to the restoration of damaged teeth; 3) the selection of the appropriate cavity design(s) and dental material(s) to restore damaged teeth to their optimal form, function, and occlusal relationships; and 4) adequate patient comfort.

**CLIN 3007 Oral Surgery Clinic 2.0 cr**

This clinical course introduces students to clinical oral surgery, which includes patient evaluation, diagnosis, treatment planning, and routine oral surgery procedures commonly employed in general dental practice. Students become familiar with basic armamentarium, nomenclature and function of various surgical instruments. Students learn the principles of aseptic technique

and infection control in preparing the surgical team, the patient, and the surgical cubicle for oral surgery procedures. Students develop skills in performing uncomplicated extractions, multiple extractions, alveoloplasty procedures, and routine suturing techniques.

Other areas of emphasis include patient management, use of local anesthesia, prevention, recognition, and management of intraoperative and postoperative complications, prevention and management of medical emergencies in the dental office, and postoperative patient management.

**CLIN 3008 Periodontics Clinic 3.0 cr**

This clinical course focuses on the application of knowledge gained in the didactic study of Periodontics, and it is directly related to the previous material presented in the second-year clinic course. Students perform a clinical and radiographic examination and diagnose periodontal diseases. Students formulate a sequenced treatment plan and establish a prognosis for patients with gingivitis through moderately advanced periodontitis by integrating periodontics into a total dental and oral preventive approach. Students treat patients nonsurgically, reevaluate them, and identify patients that should be referred to a periodontist. Additionally, students maintain a stable periodontium by establishing and monitoring a recall protocol. Students discuss the rationale behind surgical periodontal procedures by assisting during surgeries.

**CLIN 3011 Orthodontics Clinic 0.5 cr**

This clinical course introduces students to the practice of clinical orthodontics. The primary goal of this experience is to reinforce didactic concepts taught in the second year and build upon them in a manner that will better prepare the student to recognize, communicate, and manage orthodontic problems in the general dentistry setting.

**CLIN 3013 Urgent Care Clinic 1.0 cr**

This clinical rotation provides students with an opportunity to manage dental emergencies appropriately, and diagnose, stabilize, and refer patients to dental specialists when the appropriate care demands their expertise.

**CLIN 3014 Clinical Practice I 3.0 cr**

This clinical course reinforces and refines students' knowledge and skills required for the clinical practice of dentistry. Students have the opportunity to demonstrate competence in behavioral and patient management skills, in addition to the technical skills and knowledge required of a graduated, licensed dental practitioner. Students are observed and evaluated, and must understand and practice proper comprehensive patient care and management. The latter includes ethical and professional behavior, patient management, proper infection control techniques, and appropriate recording keeping.

**CLIN 3016 Clinical Simulation I 1.0**

This course is provide the dental student with opportunities for the integration and application of theoretical, evidence-based, and clinical knowledge to the individual's practice of dentistry in a controlled student-centered environment. This course will reinforce and enhance student understanding of relevant patient information and its application in dentistry. This course will demonstrate the ability to integrate biomedical and clinical sciences into aspects of patient treatment and how to manage patient situations in an ethical and professional manner. This course will provide students with additional discipline-specific treatment experiences.

**CLIN 3017 Assess, Diagnosis, Treatment Planning Clinic 2.0 cr**

This clinic rotation allows students to gain competence in evaluating a patient's dental needs,

determining the complexity of those needs, and recognize and then gather baseline/diagnostic information. Competence will also be gained in the use of specialty consultations, the treatment plan, which cannot be done without the above steps, is an essential process for the modern, successful dental practice.

**DENF 3541 Emergency Procedures 1.0 cr**

This course brings together the individual medical emergency procedures presented in courses throughout the dental curriculum. It serves as a method for understanding their use in the clinical situation and to develop a greater sense of confidence in their application.

**DENF 3621 Communication in Dentistry 0.5 cr**

This course helps students to integrate the theoretical and practical aspects of communication. It also helps to strengthen the student's relationships (patients, staff, colleagues, spouses), improve their initial patient contacts (telephone, interview, case presentation), motivate and change the behavior of patients, and deal with psychologically difficult patients.

**DENS 3622 Managing a Contemporary Dental Practice 1.0 cr**

This course covers the basics of starting a practice or career and the various aspects of managing a practice, and introduces students to the concepts of basic business principles necessary to manage a modern dental practice.

**DENU 3623 The New Graduate As Manager 1.0 cr**

This course covers the concepts of contemporary dental practices. Students should gain the necessary competence in sound business management principles to establish or associate with a successful general dentistry practice.

**DENF 3672 Biomaterials II 1.0 cr**

This course will acquaint the student with the properties of bleaching agents, various types of dental adhesives, laboratory composites, dental cements, and color principles in dentistry. Additionally, the course will provide an opportunity for clinical problem-solving relating to the properties and materials introduced. Special emphasis will be placed on the biomaterials currently used in a dental practice. The information presented in this course will help provide the student with both a sound basis of knowledge and problem-solving skills that will aid in making appropriate selections of materials for each patient's unique needs.

**DEPF 3673 Advanced Restorative & Esthetics 2.0**

This is a preclinical course presented in the simulation center to expose students to current techniques and materials in esthetic dentistry and restorative dentistry. This course equips students with the skills to properly diagnose, treatment plan and perform a variety of advanced restorative procedures with appropriate materials in context of comprehensive care. This course will present new developments, innovative techniques and scientific evidence related to restorative and esthetic dentistry as they become available.

**DENF 3703 Oral & Maxillofacial Radiology II 1.0 cr**

This course introduces students to the advanced aspects of oral and maxillofacial radiology. The radiographic examination plays an integral role in the diagnostic process in dentistry. The practitioner uses radiographic images to diagnose those structures which cannot be seen during the clinical evaluation. The dentist must therefore possess a sound knowledge of radiographic principles and be highly proficient in certain extraoral techniques to complement their overall diagnostic skills.

**DENS 3705 Oral Oncology 0.5 cr**

This course enables students to recognize and manage head and neck oral cancer, make appropriate referrals, and manage the oral complications secondary to cancer treatment.

**DENU 3706 Differential Diagnosis-Soft Tissue 1.0 cr**

This course assists students in establishing a differential diagnosis for soft tissue pathoses occurring in the oral and paraoral regions. This course is designed to present an orderly and sequential approach to the formulation of a working diagnosis. This involves learning the classification system of lesions, the characteristic features of these lesions, the relative incidence of these conditions, and the gender, age, anatomical site, and ethnic predilection of patients. Students learn to describe the characteristics of the more common oral and head and neck lesions. In addition, students provide at least three reasonable differential diagnoses for each lesion based on clinical description, symptomatology, and epidemiological data. Students also learn to formulate an appropriate treatment plan derived from the working diagnosis.

**DENU 3707 Differential Diagnosis-Hard Tissue 1.0**

This course assists students in establishing a working diagnosis based on the radiographic findings of patients affected by lesions or conditions involving the teeth, jaws, and adjacent oral anatomy. This course is designed to present an orderly and sequential approach to the formulation of a radiographic differential diagnosis. A differential diagnosis is obtained by including or excluding certain lesions or conditions based on their radiographic manifestations and clinical presentation. When coordinated with a patient's history and other pertinent clinical and laboratory data, a working diagnosis usually can be established. In many instances a biopsy and/or surgical treatment may be indicated.

**DENF 3710 Endodontics II: Biological Applications in Endo. 0.5 cr**

This course helps students acquire a more indepth understanding of pupal and periradicular pathophysiology, of techniques for diagnosing pulpal and periradicular disease, and of techniques for biomechanical canal instrumentation and obturation. Also included is an indepth discussion of the management of endodontic emergencies.

**DENF 3711 Endodontics III: Advanced Endodontics 1.0 cr**

This course enables students to diagnose the need for and describe the endodontic treatment related to assessment of difficulty factors; traumatic injuries to teeth, including vital pulp exposures; root resorption; endodontic-periodontic relationships; surgical endodontics; pain and anxiety management; antibiotics, analgesics, and bleaching of vital and pulpless teeth; pediatric-endodontics; post-endodontic restorations, and case difficulty assessment; endodontic failures/retreatment; and geriatric endodontics. Additional clinical scenarios are also presented in this course.

**DENF 3721 Periodontics III: Surgical Periodontal Therapy 0.5 cr**

This course prepares students to manage patients in their practices who have been diagnosed as having periodontal disease. Students will have the opportunity to learn to select patients they are capable of treating and identify those with more complex cases who should be referred to a periodontist. In addition, students should apply the rationale for periodontal surgical procedures, compare and evaluate basic periodontal surgical techniques, and perform simple flap procedures in the laboratory, under the supervision of a Periodontics faculty member.

**DENS 3723 Advanced Periodontics 1.0 cr**

This course is designed to bring together concepts presented to student in previous courses in Periodontics. This course will focus on clinical application of these concepts in a case-based approach. The students will be required to make judgments when faced with clinical situations requiring integration of biomedical and clinical periodontics to deliver quality care to the patient.

**DENS 3806 Implantology II: Treatment Planning 0.5 cr**

This course exposes students to the complexities of implant case treatment planning and the decision-making process relative to conventional prosthodontics and implant supported prosthetics. This course will present multiple case scenarios. Topics of discussion include: how a case is assessed or “worked up,” rationales for conventional or implant supported prosthetic restoration, decision-making regarding the selection of an implant system, the number of implants required and cost/time to completion considerations, rationales and uses for hard and soft tissue grafting, and post-restoration maintenance.

**DENS 3807 Advanced Oral & Maxillofacial Surgery 0.5 cr**

This course prepares students to recognize advanced oral and maxillofacial surgery problems that in most cases will require a referral to an oral and maxillofacial surgeon. These procedures include biopsy of both soft and hard tissue lesions, correction of dentofacial deformities, surgical treatment of cleft lip and palate and treatment of salivary gland diseases.

**DENS 3808 Essentials in Medicine II 2.0 cr**

This course is an in-depth examination and continuation of the medical principles presented in Essentials in Medicine I. The course will prepare the student to quantify pertinent positive findings obtained from the subjective medical history and objective focused physical examination. The course incorporates and distinguishes the clinical relevance of pertinent applied pharmacotherapeutics in patient management.

**DENS 3809 Essentials in Medicine III 2.0 cr**

This is the capstone course in the Essentials in Medicine course series. In this course, the students will be challenged with medically complex patient cases through discussion, analysis and applications of relevant principles of medicine and therapeutics presented in Essentials I and II.

**DENU 3811 Dental Anesthesiology 1.0 cr**

This course introduces students to the wide spectrum of pain and anxiety control in dentistry. During this course, students establish a basic understanding of additional techniques available to the dental practitioner to cope with the problems of anxiety and fear common in patients. The techniques learned are not only used for the purpose of aiding the fearful dental patient, but also in the prevention of medical emergencies in the dental office by attenuating the potentially harmful effects associated with stress response. A large portion of this course concentrates on the training of nitrous oxide inhalation sedation.



**DENF 3901 Clinical Prosthodontics 1.0 cr**

This course provides students with basic prosthodontic principles to enable students to accomplish various clinical procedures necessary to treat the edentulous and the partially edentulous patient, as well as the patient requiring fixed restorations. Complete dentures emphasize clinical aspects, from the examination of the edentulous mouth through all the essential steps of treatment, to post-insertion instructions and follow-up. Removable partial dentures emphasize the biomechanical factors involved in the design and fabrication of the prosthesis. Fixed prosthodontics emphasizes treatment planning, preparation design, impression making, and the clinical insertion appointment.

**DENS 3902 Advanced Prosthodontics 1.0 cr.**

This course is a continuum of the ongoing Prosthodontic series of courses. The course is organized to provide an overview of Occlusion, Fixed Prosthodontics, Removable Prosthodontics, and Implant restorations. An important component of this course is the presentation of several case-based studies and clinical scenarios that involve diagnosis and treatment planning. These cases have been developed to challenge the student to investigate, analyze, justify, and objectively evaluate the outcomes of the proposed treatment plans.

**DENS 3932 Dental Public Health 1.0 cr**

This course exposes students to the various processes important to the provision of dental care to the individual and the community, emerging non-traditional forms of private practice, and basic concepts of dental public health. Student gain knowledge of the principles of dental public health, various forms of financing of dental care, as well as different oral health care systems.

**DENF 3961 Pediatric Dentistry III 1.0 cr**

This course prepares students to provide dental care to their pediatric patients. Students learn the reasons for oral health examinations, and the methods by which such exams are conducted. Students also become familiar with important principles and guidelines for rendering treatment to the pediatric patient with special needs. Additionally, students should be able to render treatment to teeth that have sustained trauma (both primary and permanent) and oral soft tissues that have been burned. Various oral habits and basic principles of minor tooth movement are presented. Small group sessions are used to help students integrate their dental knowledge to plan comprehensive treatment for the pediatric patient.

**DENF 3971 Orthodontics 1.0 cr**

This course provides students an introduction and background in elements of orthodontics with which the general practitioner should be familiar in order to treat limited orthodontic cases. The course begins with a comprehensive introduction to orthodontic diagnosis and treatment planning. Students then learn orthodontic triage: separating patients who can be treated by a general practitioner from those who will require referral to a dental specialist. The biologic and mechanical aspects of orthodontic tooth movement follow and are presented in detail. Orthodontic problems of a dental nature and those requiring growth modifications are covered. The three major stages of comprehensive orthodontic treatment are presented. Simple orthodontic procedures that the general practitioner can perform to control disease and restore function as part of their restorative procedures are reviewed.

**DENU 3991 Interdisciplinary Clinical Sciences Review 1.0 cr**

This course is not to teach new content, but to review information and develop critical thinking and problem-solving skills to help maximize student performance on the National Board Dental Examination, Part II. This course should not be considered a substitute for individual student preparation to take the National Board Dental Examination.



#### **FOURTH YEAR**

The CLIN 4000 series listed below are fourth year courses, which provide an opportunity for clinical experience in the indicated clinical discipline. Students perform comprehensive dental care under the supervision of faculty from all clinical departments.

##### **CLIN 4001 Pediatric Dentistry Clinic 2.0 cr**

This clinical course prepares students to render dental treatment to pediatric dental patients. Students learn to recognize the differences that exist in the delivery of treatment to children and adults. Students learn to perform a comprehensive oral examination using all the necessary diagnostic tools to evaluate the dental needs of the pediatric or mixed dentition patient to develop a thorough, comprehensive treatment plan. Students will recognize the need for and management of space maintainers. Students will recognize the need to refer treatment beyond their expertise. Prevention is emphasized, recognizing a child's level of cognitive and psychomotor development and parental cooperation and interaction. This course develops the student's skills in the management of both the child patient and their parents, including application of behavior modification skills. This course teaches students to be competent in operative dental procedures modified for use with primary and young permanent teeth, including the administration of local anesthesia and pain control.

##### **CLIN 4002 Endodontics Clinic 2.0 cr**

This clinical course enables students to become competent endodontic practitioners by integrating pre-clinical principles and techniques into clinical patient treatment. Quality endodontic patient treatment requires that a practitioner possess and applies basic sciences knowledge in pharmacology, physiology, microbiology and immunology into the various technical aspects of treatment. Although a wide spectrum of endodontic treatment is possible, primarily non-surgical treatment of anterior, premolar, and uncomplicated molar teeth will be performed.

##### **CLIN 4003 Radiology Clinic 1.0 cr**

This clinical course affords students the opportunity to integrate principles of preclinical training into the diagnostic process. Students utilize various types of radiographic surveys for their patient evaluations, including the full mouth survey (FMS), partial FMS evaluations and panoramic evaluations. This course should provide students vital practical experience essential to become proficient in diagnostic radiography.

##### **CLIN 4004 Special Patient Care Clinic 1.0 cr**

This course is comprised of two clinical rotations. The extra-mural rotations provide students with an opportunity to develop competency in providing community-based dental care. The Medically Complex Patient Rotation (of which Dental Auxiliary Utilization (DAU) is a component) provides students with an opportunity to deliver treatment to medically compromised, handicapped and/or geriatric patients. These rotations create awareness in students of the dental needs of communities and community health programs. Equally important, these rotations demonstrate how financial and social status influence access to health care and, more specifically, dental care. The goal is for students to realize and accept their social responsibility to provide care for all segments of the population via their experience in these rotations.

##### **CLIN 4005 Prosthodontics Clinic 8.0 cr**

This clinical course continues introducing students to the clinical aspects of delivering patient care in the area of prosthodontics. It is designed to provide students the opportunity to use critical thinking skills by utilizing information learned in basic sciences, clinical disciplines, and pre-clinical laboratories to treat patients in a clinical setting. Students should continue

to develop the necessary skills for gathering diagnostic information, developing a sequential treatment plan, and performing prosthodontic procedures using sound clinical judgment.

**CLIN 4006 Operative Dentistry Clinic 4.0 cr**

This clinical course allows students to continue to develop and refine their knowledge necessary to properly diagnose, establish a treatment plan, and perform a variety of procedures with appropriate materials, or manage the patient's care in the context of comprehensive care.

**CLIN 4007 Oral Surgery Clinic 1.0 cr**

This clinical course reinforces basic skills developed during the third-year clinical course, and facilitate continued development as the student performs routine oral surgery procedures commonly employed in general dental practice. Students continue application of their acquired basic science knowledge in the clinical arena as they continue to develop skills for proper preoperative assessment, diagnosis, and treatment of patients who require routine oral surgical procedures. Areas of emphasis will be physical evaluation and assessment, principles of aseptic technique and infection control, uncomplicated exodontia, multiple extractions, complicated exodontia, and routine preprosthetic surgical procedures.

Other areas of emphasis include patient management, use of local anesthesia, prevention, recognition and management of intraoperative and postoperative complications, prevention and management of medical emergencies in the dental office, and postoperative patient management.

**CLIN 4008 Periodontics Clinic 3.0 cr**

This clinical course focuses on the application of knowledge gained in the didactic study of Periodontics, and is directly related to the previous material presented in the second- and third-year clinic courses. Students perform a clinical and radiographic examination and diagnose periodontal diseases. Students formulate a sequenced treatment plan and establish a prognosis for patients with gingivitis through moderately advanced periodontitis by integrating periodontics into a total dental and oral preventive approach. Students treat patients nonsurgically, reevaluate them and identify patients that should be referred to a periodontist. Additionally, students maintain a stable periodontium by establishing and monitoring a recall protocol. Students apply the principles behind periodontal surgery by assisting surgical procedures.

**CLIN 4011 Orthodontic Clinic 0.5 cr**

This clinical course continues to introduce students to the practice of clinical orthodontics. The primary goal of this experience is to reinforce didactic concepts and build upon them in a manner that will better prepare the student to recognize, communicate, and manage orthodontic problems in the general dentistry setting.

**CLIN 4012 Assessment, Diagnosis, Treatment Planning Clinic 2.0 cr**

This clinic rotation allows students to gain competence in evaluating a patient's dental needs, determining the complexity of those needs, and recognize and then gather baseline/diagnostic information. Competence will also be gained in the use of specialty consultations, the formulation of a treatment plan, and treatment sequencing of that treatment plan. The finalized treatment plan, which cannot be done without the above steps, is an essential process for the modern, successful dental practice.

**CLIN 4013 Urgent Care Clinic 2.0 cr**

This clinical rotation provides students with an opportunity to manage dental emergencies appropriately, and diagnose, stabilize, and refer patients to dental specialists when the appropriate care demands their expertise.

**CLIN 4014 Clinical Practice II 5.0 cr**

This clinical allows students the opportunity to refine the skills and knowledge needed to properly diagnose, treatment plan, and manage and provide patient treatment in an environment that closely approximates a private practice setting. Students learn the technical skills and knowledge required of a graduated, licensed dental practitioner. Students must also demonstrate competence in behavioral and patient management skills.

**CLIN 4016 Clinical Simulation II 0.5 cr**

Students will continue to build on the concepts learned in Clinical Simulation I course.

**DENS 4541 Emergency Procedures 0.0 credit**

This course brings together all of the individual medical emergency procedures presented in courses throughout the student's dental education. It is meant to serve as a method for understanding their use in the clinical situation, to develop a greater sense of confidence in their application, and provide "hands on" practice.

**DENS 4622 Laws & Regulations Affecting Dentistry 0.5 cr**

This seminar series enables students to comply with the requirements of the various regulatory agencies associated with the practice of dentistry. In particular, students should have the opportunity to gain sufficient understanding of the Occupations Code – Title 1, Title 2, Title 3 (Texas Dental Practice Act) /Rules and Regulations to ultimately pass the jurisprudence exam administered by the Texas State Board of Dental Examiners.

**DENS 4671 Biomaterials IV: Product Selection 0.5 cr**

In this course, students should learn about modern dental materials that may be used in dental practice. This course will acquaint students with different views on selection and use of dental materials and equipment in the modern dental practice. When this course is completed, students should be able to describe the use, composition, properties, and manipulation of these materials, and have realistic criteria for their selection according to clinical cases. The course consists of eight one-hour sessions, each utilizing evidence-based dentistry topics that deal with product selection of dental materials used in current clinical dental practice.

**DENF 4701 Differential Diagnosis-Soft Tissue 1.0 cr**

This course assists students in establishing a differential diagnosis for soft tissue pathoses occurring in the oral and paraoral regions. This course is designed to present an orderly and sequential approach to the formulation of a working diagnosis. This involves learning the classification system of lesions, the characteristic features of these lesions, the relative incidence of these conditions, and the gender, age, anatomical site, and ethnic predilection of patients. Students learn to describe the characteristics of the more common oral and head and neck lesions. In addition, students provide at least three reasonable differential diagnoses for each lesion based on clinical description, symptomatology, and epidemiological data. Students also learn to formulate an appropriate treatment plan derived from the working diagnosis.

**DENF 4702 Oral Oncology 0.5 credit**

This course enables students to recognize and manage head and neck oral cancer, make appropriate referrals, and manage the oral complications secondary to cancer treatment.

**DENF 4703 Differential Diagnosis-Hard Tissue 1.0 cr**

This course assists students in establishing a working diagnosis based on the radiographic findings of patients affected by lesions or conditions involving the teeth, jaws, and adjacent oral anatomy. This course is designed to present an orderly and sequential approach to the formulation of a radiographic differential diagnosis. A differential diagnosis is obtained by including or excluding certain lesions or conditions based on their radiographic manifestations and clinical presentation. When coordinated with a patient's history and other pertinent clinical and laboratory data, a working diagnosis usually can be established. In many instances a biopsy and/or surgical treatment may be indicated.

**DENF 4722 Periodontology Review 0.5 credit**

This course is to bring together those concepts presented to the student in previous courses in Periodontics. Most importantly, this course will focus on clinical application of these concepts in a case-based approach. At this stage of the students' clinical training, they will be better able to understand and apply biomedical and basic science concepts to clinical situations. The course will focus on using patient cases to assess knowledge and use this knowledge in solving patient problems. The student will be required to make judgments when faced with clinical situations requiring the integration of biomedical and clinical periodontics to deliver quality care to that patient.

**DEPF 4801 Oral & Maxillofacial Surgery IV: 0.5 cr**

Advanced Oral and Maxillofacial Surgery-Part 2

This course prepares students to recognize advanced oral and maxillofacial surgery problems that in most cases will require a referral to an oral and maxillofacial surgeon. Discussions will include diagnostic and treatment considerations relative to cases that require referral to an oral and maxillofacial surgeon, as well as those that may be treated by the general dentist.

**DENF 4901 Advanced Prosthodontics 1.0 cr**

This course is a continuum of the ongoing Prosthodontic series of courses. The course is organized to provide an overview of Occlusion, Fixed Prosthodontics, Removable Prosthodontics, and Implant restorations. An important component of this course is the presentation of several case-based studies and clinical scenarios that involve diagnosis and treatment planning. These cases have been developed to challenge the student to investigate, analyze, justify, and objectively evaluate the outcomes of the proposed treatment plans.

**DENF 4991 Interdisciplinary Clinical Sciences Review 1.0 cr**

This course is not to teach new content, but to review information and develop critical thinking and problem-solving skills to help maximize student performance on the National Board Dental Examination, Part II. This course should not be considered a substitute for individual student preparation to take the National Board Dental Examination.

**MBE 4200 Mock Board Examination 0.0 cr**

**NBDE 4300 National Board Dental Examination-Part II 0.0 cr**

**CDEP 4100 Continuing Dental Education Programs 0.0 cr**

## CURRICULUM BY YEAR

### FIRST YEAR

| <b>Course</b>                           | <b>Number</b> | <b>Credit Hours</b> |
|---|---------------|---------------------|
| Neurosciences                           | DENS 1504     | 3.5                 |
| Biomedical Science Core                 | DENF 1510     | 6.0                 |
| Oral Biology I                          | DENF 1511     | 4.0                 |
| Head and Neck Anatomy                   | DENS 1512     | 4.0                 |
| Human Biology                           | DENS 1513     | 5.0                 |
| Oral Biology II                         | DENS 1514     | 1.0                 |
| Clinical Applications I                 | DENF 1543     | 2.5                 |
| Clinical Applications II                | DENS 1544     | 2.5                 |
| Principles of Pharmacology              | DENU 1561     | 1.0                 |
| Local Anesthesia                        | DENU 1562     | 1.0                 |
| Dental Anatomy                          | DENF 1601     | 2.0                 |
| Dental Anatomy Lab I                    | DEPF 1602     | 1.0                 |
| Dental Anatomy Lab II &: Occlusion      | DEPS 1604     | 2.0                 |
| Operative Dentistry I                   | DEPS 1614     | 4.0                 |
| Ethics in Dentistry                     | DENF 1621     | 0.5                 |
| Dental Practice Readiness Curriculum I  | DPRC 1624     | 1.5                 |
| Foundational Skills for Clinic I        | DENF 1651     | 1.0                 |
| Foundational Skills for Clinic II       | DENS 1652     | 1.0                 |
| Biomaterials I                          | DENF 1672     | 1.0                 |
| Oral and Maxillofacial Radiology I      | DENU 1703     | 1.5                 |
| Introduction to Clinic                  | DENU 1704     | 2.0                 |
| Perio I: Diagnosis & Treatment Planning | DENU 1721     | 1.0                 |
| Basic and Applied Nutrition             | DENF 1931     | 1.0                 |
| Prevention of Oral Diseases             | DENF 1934     | 1.5                 |
| Introduction to Dental Informatics      | DENF 1991     | 0.5                 |

### SECOND YEAR

| <b>Course</b>                              | <b>Number</b> | <b>Credit Hours</b> |
|--|---------------|---------------------|
| Dental Therapeutics                        | DENF 2564     | 2.0                 |
| Operative Dentistry II Simulation          | DEPF 2614     | 4.0                 |
| Dental Practice Readiness Curriculum II    | DPRC 2624     | 1.5                 |
| Pathobiology                               | DENF 2705     | 6.0                 |
| Oral Diseases                              | DENS 2706     | 4.0                 |
| Endodontics I: Simulation                  | DEPS 2712     | 2.0                 |
| Periodontics II: Nonsurgical Perio Therapy | DENS 2722     | 1.0                 |
| Oral and Maxillofacial Surgery I           | DENS 2801     | 1.0                 |
| Essentials of Medicine I                   | DENS 2804     | 3.0                 |
| Fixed Prosthodontics-FPD                   | DEPS 2908     | 2.0                 |
| Indirect Single Unit Restoration           | DEPF 2912     | 4.0                 |
| Removable Prosthodontics I                 | DEPF 2913     | 2.0                 |
| Removable Prosthodontics II                | DEPS 2914     | 1.0                 |
| Implantology I                             | DENS 2915     | 1.5                 |
| Behavior Context-Dental Patient Management | DENS 2936     | 1.0                 |
| Growth & Development                       | DENS 2961     | 0.5                 |
| Pediatric Dentistry I                      | DENF 2962     | 1.0                 |

|  |           |     |
|--|-----------|-----|
| Pediatric Dentistry II                       | DEPS 2963 | 2.0 |
| Interdisciplinary Biological Sciences Review | DENU 2991 | 1.0 |
| <b>CLINIC:</b>                               |           |     |
| Second Year Fall Clinic                      | CLIN 2502 | 3.0 |
| Second Year Spring/Summer Clinic             | CLIN 2503 | 2.0 |

**THIRD YEAR**

| <b>Course</b>   | <b>Number</b> | <b>Credit Hours</b> |
|---|---------------|---------------------|
| Emergency Procedures                                      | DENF 3541     | 1.0                 |
| Communication in Dentistry                                | DENF 3621     | 0.5                 |
| Managing a Contemporary Dental Practice                   | DENS 3622     | 1.0                 |
| The New Graduate as Manager                               | DENU 3623     | 1.0                 |
| Biomaterials II   | DENF 3672     | 1.0                 |
| Advanced Restorative & Esthetics                          | DEPF 3673     | 2.0                 |
| Oral & Maxillofacial Radiology II                         | DENF3703      | 1.0                 |
| Oral Oncology   | DENS 3705     | 0.5                 |
| Differential Diagnosis-Soft Tissue                        | DENU 3706     | 1.0                 |
| Differential Diagnosis-Hard Tissue                        | DENU 3707     | 1.0                 |
| Endodontics II: Biological Applications<br>in Endodontics | DENF 3710     | 0.5                 |
| Endodontics III: Advanced Endodontics                     | DENS 3711     | 1.0                 |
| Periodontics III: Surgical Periodontal Therapy            | DENF 3721     | 0.5                 |
| Advanced Periodontics                                     | DENS 3723     | 1.0                 |
| Implantology II: Treatment Planning                       | DENS 3806     | 0.5                 |
| Advanced Oral & Maxillofacial Surgery                     | DENF 3807     | 0.5                 |
| Essentials in Medicine II                                 | DENF 3808     | 2.0                 |
| Essentials in Medicine III                                | DENS 3809     | 2.0                 |
| Dental Anesthesiology                                     | DENU 3811     | 1.0                 |
| Clinical Prosthodontics                                   | DENF 3901     | 1.0                 |
| Advanced Prosthodontics                                   | DENS 3902     | 1.0                 |
| Dental Public Health                                      | DENS 3932     | 1.0                 |
| Pediatric Dentistry III                                   | DENF 3961     | 1.0                 |
| Orthodontics  | DENF 3971     | 1.0                 |
| Interdisciplinary Clinical Sciences Review                | DENU 3991     | 1.0                 |
| <b>CLINIC:</b>  |               |                     |
| Pediatric Dentistry                                       | CLIN 3001     | 2.0                 |
| Endodontics   | CLIN 3002     | 1.0                 |
| Radiology   | CLIN 3003     | 1.0                 |
| Prosthodontics  | CLIN 3005     | 6.0                 |
| Operative Dentistry                                       | CLIN 3006     | 4.0                 |
| Oral Surgery  | CLIN 3007     | 2.0                 |
| Periodontics  | CLIN 3008     | 3.0                 |
| Orthodontics  | CLIN 3011     | 0.5                 |
| Urgent Care   | CLIN 3013     | 1.0                 |
| Clinical Practice I                                       | CLIN 3014     | 3.0                 |
| Examination, Diagnosis and Treatment Planning             | CLIN 3015     | 3.0                 |
| Clinical Simulation I                                     | CLIN 3016     | 1.0                 |
| Asses, Diagnosis, Treatment Planning Clinic               | CLIN 3017     | 2.0                 |

**FOURTH YEAR**

| <b>Course</b>                                  | <b>Number</b> | <b>Credit Hours</b> |
|--|---------------|---------------------|
| Emergency Procedures II                        | DENS 4541     | 0.0                 |
| Laws & Regulations Affecting Dentistry         | DENS 4622     | 0.5                 |
| Biomaterials IV: Product Selection             | DENS 4671     | 0.5                 |
| Differential Diagnosis-Soft Tissue             | DENF 4701     | 1.0                 |
| Oral Oncology                                  | DENS 4702     | 0.5                 |
| Differential Diagnosis-Hard Tissue             | DENF 4703     | 1.0                 |
| Periodontology Review                          | DENF 4722     | 0.5                 |
| Oral & Maxillofacial Surgery IV                |               |                     |
| Advanced Oral and Maxillofacial Surgery-Part 2 | DENF 4801     | 0.5                 |
| Advanced Prosthodontics                        | DENF 4901     | 1.0                 |
| Interdisciplinary Clinical Sciences Review     | DENF 4991     | 1.0                 |
| Continuing Dental Education Programs           | CDEP 4100     | 0.0                 |
| Mock Board Examination                         | MBE 4200      | 0.0                 |
| National Board Dental Exam Part II             | NBDE 4300     | 0.0                 |
| <b>CLINIC:</b>                                 |               |                     |
| Pediatric Dentistry                            | CLIN 4001     | 2.0                 |
| Endodontics                                    | CLIN 4002     | 2.0                 |
| Radiology                                      | CLIN 4003     | 1.0                 |
| Special Patient Care Clinic                    | CLIN 4004     | 3.0                 |
| Prosthodontics                                 | CLIN 4005     | 8.0                 |
| Operative Dentistry                            | CLIN 4006     | 4.0                 |
| Oral Surgery                                   | CLIN 4007     | 1.0                 |
| Periodontics                                   | CLIN 4008     | 3.0                 |
| Orthodontic                                    | CLIN 4011     | 0.5                 |
| Assessment, Diagnosis, Treatment Plan          | CLIN 4012     | 2.0                 |
| Urgent Care                                    | CLIN 4013     | 2.0                 |
| Clinical Practice II                           | CLIN 4014     | 5.0                 |
| Clinical Simulation II                         | CLIN 4016     | 0.5                 |

**ELECTIVES**

The electives program at the School of Dentistry is designed to offer enrichment courses in a variety of areas beyond the scope of the required pre-doctoral curriculum. A listing of electives is provided in the Student Guide to Academic Studies at <http://db.uth.tmc.edu/education/doctor-dental-surgery/student-guide>

Each student must complete four semester hours of elective courses, plus two Continuing Dental Education Courses to be eligible for graduation. The number of elective courses per year, eligibility requirements and associated information are listed in the Student Guide to Academic Studies.

Although some electives are offered during the first and second year of the curriculum, the majority of elective courses are offered in the third and fourth years of the curriculum. The following types of elective courses are offered:

**General information courses**

first and second year students

**Thesis writing**

first and second year students

**Table clinics**

all students

**Lecture courses**

second, third and fourth year students

**Laboratory courses**

third and fourth year students

**Case presentations**

third and fourth year students

**Research projects**

all students

**Seminars**

third and fourth year students

**Extramural clinical activities**

third and fourth year students

**Elective grades are Pass ("P") or Fail ("F")**

## **ADVANCE EDUCATION PROGRAMS**

The Postgraduate School offers three types of programs designed for the postgraduate dentist who wishes to pursue additional education: graduate (degree/certificate), postgraduate (certificate), and residency (certificate).

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### **Graduate**

The graduate programs lead to a Master of Science in Dentistry (M.S.D.) degree and Certificate in a specialty area of dentistry. The programs are designed to meet eligibility requirements for examination by the particular American Specialty Board and accreditation standards of the Commission on Dental Accreditation. The following clinical specialties are offered: Endodontics, Periodontics, and Prosthodontics

The curriculum in the graduate programs may include the following courses: fundamentals in basic and applied sciences, anatomy, biological chemistry, biomaterials, biostatistics, histology, microbiology, oral biology, pathology, pharmacology, physiology, and special seminars. A thesis is required and the total length of the program varies with the area of specialty. The minimum period of study is thirty six months, depending on the requirements of the particular specialty. Graduate programs are combined programs and under no circumstances are the Degree and Certificate awarded separately.



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## Postgraduate

The postgraduate programs lead to a postgraduate Certificate in general dentistry or in a specialty area, a certificate and an optional Master of Science in Dentistry degree, and consist primarily of basic science courses, clinical science courses, and a clinical program designed to meet eligibility requirements for examination by the particular American Specialty Board and accreditation standards of the Commission on Dental Accreditation. The following specialties are offered: Orthodontics, and Pediatric Dentistry. General Dentistry programs include the Advanced Education in General Dentistry and the General Practice Residency programs. A thesis is not required if a Master of Science in Dentistry is not pursued. However, orientation in research methodology is included in a student's curriculum program at the discretion of the clinical department. The award of the certificate is contingent upon satisfactory completion of the required basic and clinical science courses, clinical conferences, appropriate clinical training for the area of specialization and research project (if required by the department).

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## Residency

The Residency programs lead to a Certificate and consist primarily of clinical science courses and a clinical program designed to meet eligibility requirements for examination by the particular American Specialty Board (if applicable) and accreditation standards of the Commission on Dental Accreditation. The following specialty program is offered: Oral and Maxillofacial Surgery. Four-year Certificate and six-year combined M.D./Certificate Oral and Maxillofacial Surgery programs are included. The awarding of a Certificate is contingent upon satisfactory completion of requirements of both programs.

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## GENERAL INFORMATION

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under any program or activity sponsored by or conducted by The University of Texas Health Science Center at Houston on the basis of ethnicity, national origin, sexual orientation, religion, sex, age, veteran status, or disability.

Through reciprocal agreements, students at other components of The University of Texas System, as well as graduate students from Rice University, Baylor College of Medicine, Texas Woman's University, and the University of Houston may take graduate courses for credit at The University of Texas Health Science Center at Houston, subject to the approval of the instructor. In addition, UTHSC-H graduate students may take courses for credit at any of the above institutions. Mechanism for payment of tuition or registration fees vary according to the individual institution. Consult with the Registrar's Office for specific details.

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## APPLICATION PROCEDURE

All programs require application through the Postdoctoral Application Support Service (PASS). Applications for PASS are obtained from: <http://www.adea.org/PASS/default.htm>

Programs in GPR, AEGD, Oral and Maxillofacial Surgery, Pediatric Dentistry, and Orthodontics participate in the National Matching Service for final selection. Registration forms may be obtained from: <http://www.natmatch.com/> National Matching Services, 595 Bay Street, Suite 300, Toronto, Ontario, Canada M5G 2C2, (416) 977-3431. Applicants applying to programs participating in the Match must register separately with the National Matching Services in addition to completing the required PASS application.

Application deadlines for admission are August 3 of the year preceding the date of expected enrollment for Endodontics, Periodontics, September 1 for Oral and Maxillofacial Surgery, September 17 for Pediatric Dentistry, Orthodontics, GPR and AEGD, and October 19 for Prosthodontics. All transcripts and other required credentials listed on the application form must be on file by the specified dates.

Applicants to graduate programs leading to a Master of Science in Dentistry Degree may be required to take the Graduate Record Examination (GRE). The GRE requirement is determined by the individual programs. Information regarding the GRE can be obtained from: Educational Testing Service, Box 955, Princeton, New Jersey 08540 or online at <http://www.gre.org>.

Note: The six-year Oral and Maxillofacial Surgery Program leading to a Certificate / MD Degree requires that the applicant also satisfy all admissions requirements of The University of Texas Medical School at Houston.

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## CRITERIA FOR ACCEPTANCE

Generally, applicants for advanced education programs at The University of Texas School of Dentistry at Houston are considered on the basis of the following criteria:

- Completed Application
- Dental School Grade Point Average
- Dental School Class Standing
- Pattern of Academic Achievement
- National Board Scores
- Graduate Record Examination
- Experience and Training
- Recommendations
- Specific Program Requirements
- Research Accomplishment
- Personal Interview

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## Admissions Policy

The School of Dentistry admissions policy includes a wide variety of criteria, including qualitative and quantitative information to evaluate applicants on an individual basis and make decisions regarding acceptance into the Dental Education Program leading to the D.D.S. degree. The admissions processes for the undergraduate Dental Hygiene certificate and Baccalaureate (B.S.) degree programs and graduate Advanced Education Programs utilize a mix of cognitive and non-cognitive consideration factors that are similar to the Dental Education Program. Dental Admissions Committees give individual consideration to applicants, and no quotas for any specific group are used. The Admissions Committee considers the application in its entirety and gives cognizance to the following factors:

- Intellectual capacity, based on consideration of undergraduate and graduate record; academic progression/regression; standardized test scores; academic awards and honors; a history of research accomplishments; degree of difficulty of undergraduate academic program; pre-professional evaluations; personal interview; any other data submitted;
- Interpersonal and communication skills, based on consideration of community or charitable service, extracurricular activities and organizations; leadership positions; employment

history; recognition for humanitarian service; awareness and direct knowledge of cultural elements as they may impact on healthcare; expression of future goals in the written essay; statements made on the application or in the personal interview; any other relevant considerations the student's pre-professional advisors may present;

- Knowledge of the profession, based on consideration of an understanding of factors that impact access to care, as well as social and financial implications; consideration of the implications of lifelong learning; and demonstrated significant effort in seeking knowledge regarding the practice of dentistry or participation in oral health promotion activities;
- Potential for service to the State of Texas, based on consideration of the applicant's goals for the future; size and location of hometown and whether the applicant resides in a Health Professions Shortage Area; potential for future provision of health services to underserved areas or in needed specialties; race/ethnicity as it relates to service to underserved and/or underrepresented populations; linguistic skills appropriate to the Health Professions Shortage Area the applicant wishes to serve;
- Motivation, based on consideration of success in overcoming adverse personal, economic, or educational conditions; employment history occurring simultaneously with undergraduate academic preparation; participation in activities requiring time management skills; experience in health-related activities; heavier than normal academic course loads ( $\geq 18$  hrs/semester);
- Integrity, based on consideration of professional evaluations; any academic integrity violation; conduct of a crime; any other relevant background relating either positively or negatively to the applicant's standard of integrity; and
- Essential skills, based on consideration of psychomotor skills (fine motor dexterity and coordination) and observational skills (vision, hearing, and tactile abilities) sufficient to master the clinical procedures essential to the treatment of oral disease.

During the interview process, the applicant may be evaluated on additional elements, which may include public or community service, humanitarian service, extracurricular activities, communication skills, and experiences in overcoming adverse personal or family conditions.

Evaluation of the total information available to the selection committees for each program leads to the final decision regarding acceptance of students into the program.

The program selection committees review the applications, conduct the interview process, and make recommendations to the Advanced Education Committee for enrollment. The recommendations are voted upon by the Committee and approved applicants are forwarded to the Dean for final consideration.

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## **EXPENSES**

### **Tuition - Fall and Spring Semesters**

Beginning 2014-2015, resident tuition is \$144 per semester credit hour. Non-resident tuition will be \$506 per semester credit hour. Tuition is subject to change according to the actions of the Texas State Legislature or the Board of Regents.

### **Tuition - Summer Sessions**

Tuition and fee payment for each summer session is due in full at the time of registration. Beginning 2014-2015, resident tuition is \$144 per semester credit hour. Tuition and fee payment for the Summer session is due at the time of registration. Payment of tuition and fees during the summer session maybe paid through the following alternatives: one full payment of tuition and fees in advance of the beginning of the 12-week Summer session, or two one-half payment of tuition and fees in advance of the beginning of the Summer session

### **FEES**

**Application Fee:** \$60 to be enclosed with application.

**Late Registration Fee:** A \$25 fee will be required of those students who fail to register or pay on the date designated in the school calendar.

**Installment Use Fee:** \$20 per semester.

**Course Fee:** Charges are listed per course as follows:

DBPG 1101 Anatomy-Head & Neck \$500

**Technology Resource Fee:** A \$1490 fee annually.

**Library Resource Center Fee:** A \$150 fee annually

Information Technology Access Fee: A \$33 fee per semester

**Graduation Fee:** \$75 due at registration in the final year. This does not include regalia.

**Professional Liability Insurance Fee:** All advanced education students must participate in the institution's liability insurance coverage program. Estimated fees for the 2014-2015 academic year range from \$675-\$935 depending on the program. Fees for the 2015-2016 academic year have not been determined.

**Health Insurance:** \$1,859 annually. Health insurance is required of all Health Science Center students. If you have your own health insurance policy, you may provide proof of comparable insurance coverage to Auxiliary Enterprises no later than the 12th class day to have this charge waived.

**Student Services Fee:** The Student Services Fee, required of all students, is assessed on a per semester credit hour basis with a maximum charge of \$197.95 per fall or spring semester or \$116.10 per summer session. If a student enrolls in more than one summer session, the maximum fee will be \$116.10. The fee provides for student activities, outpatient care by UT Medical School Student Health Service, recreational facilities, counseling, and shuttle bus service. Optional family coverage is available.

**Student Record Fee:** \$5 per semester

**Instrument Sterilization Fee:** A fee of \$2500 annually

The Texas Legislature does not set the specific amount for any particular student fee. The student fees assessed above are authorized by state statute; however, the specific fee amounts and the determination to increase fees are made by the University administration and The University of Texas System Board of Regents with participation of the Student Fee Advisory Committee.

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## FINANCIAL AID

Postgraduate Programs of The University of Texas School of Dentistry at Houston has limited loan and scholarship funds. Eligibility for financial aid varies by program based upon required semester hour enrollment. These funds may be available based on proven financial need and/or academic excellence. A student subject to selective service registration will be required to file a statement that the student has registered or is exempt from selective service registration in order to be eligible to receive financial assistance funded by State revenue. Application forms may be obtained from:

Office of Student Financial Services  
The University of Texas  
Health Science Center at Houston  
P. O. Box 20036  
Houston, Texas 77225

(713) 500-38.60

Website: <http://sfa.uth.tmc.edu>

The office is located in the University Center Tower, Room 2220.

### **Funds are listed below:**

The Houston Northwest Medical Center Hospital Auxiliary Emergency Loan Fund  
Leo M. Levy Memorial Emergency Loan Fund  
The Patterson-Hettinger-Cary-California Fellowship  
Perkins Loan Program  
PLUS/Supplemental Loan for Students  
Stafford Loans (formerly Guaranteed Student Loan Program)  
State Scholarship  
Texas Public Education Grant  
Women's Auxiliary to the Texas Dental Association

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## ADVANCED EDUCATION SCHOLARSHIPS

- Competitive Academic Scholarships

Competitive Academic Scholarship awards are designed to facilitate the scholastic development of students who are in high academic standing. The benefits of this award are two-fold. A direct financial award, and second, if the recipient is not a resident of Texas, the change in status to resident tuition if the scholarship award is at least \$1000. All accepted advanced education students and residents at the School of Dentistry in a program in which a Competitive Academic Scholarship is offered are eligible. The award is based on documented academic excellence and the criteria for selection therefore include, but are not limited to:

Grade point average  
National Board scores  
Class standing  
Experience and training  
Pattern of academic achievement  
Graduate record examination  
Specialty area requirements

### **Recommendations**

The Director of an Advanced Education Program in which scholarships are offered may recommend to the Scholarship Subcommittee of the Advanced Education Committee that one entering student/resident accepted to their Program be awarded a competitive academic scholarship each year. A program is limited to that one entering award per year, plus renewals of prior recipients for subsequent years. Competitive academic scholarships are available and dependent on the availability of Graduate Program funds in each individual Program. The award amount is variable. Each program is responsible for the funding necessary to offer the award. If funds are not available, the award will not be offered.

A student who has received an advanced education competitive academic scholarship may apply for renewal of the scholarship for a subsequent year by submitting a request, together with a supporting letter from the respective Advanced Education Program Director. The student must have maintained at least a "B" academic average. Award of renewal competitive academic scholarships is also dependent upon available funding by the department.

All submissions are considered by the Scholarship Subcommittee of the Advanced Education Committee and are presented to The Advanced Education Committee for final approval. These recommendations are passed to the Director of Advanced Education for submission to the Dean.

### *Dr. Heyl G. Tebo Endowed Scholarship*

Dr. Heyl G. Tebo, former chair of the Department of Anatomical Sciences at the School of Dentistry, established an endowment for the purpose of supporting scholarships to be awarded to dentists who are pursuing advanced education (postgraduate/graduate) training. The scholarships are named in honor of Dr. Tebo and are awarded for one year.

Recipients of the Dr. Heyl G. Tebo scholarship are recommended for selection by the Advanced Education Committee to the Dean for final approval. To be eligible for consideration, the applicant must:

1. Have completed the first year of his/her advanced education program;
2. Show evidence of academic excellence;
3. Demonstrate financial need;
4. Provide a one-page letter stating why they should be considered to receive this award;  
and
5. Provide a letter of recommendation from his/her Advanced Education Program Director.

Preference is given to native-born Texans who meet the other criteria.

### *Selection Process:*

Each member of the Advanced Education Committee Scholarship subcommittee examines the applications and submits a written evaluation of each student based on the criteria. The entire subcommittee then meets to discuss the evaluations and make recommendations to the entire

Advanced Education Committee. The subcommittee has for its deliberations the submitted documentation and confirmation from the UTHSC-H Registrar's Office and the Financial Aid Office of the student's financial need and academic excellence. Considerable weight is therefore placed on the recommendation from the Advanced Education Program Director and the letter from the student indicating why they should receive this award. Items such as demonstrated service to the community, professionalism, and ethics are also considered in such deliberations.

Award of the scholarship is based upon available funds being generated within the endowment account.

## ACADEMIC STANDARDS

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### Grading System

In the Postgraduate School, letter grades are given for basic and clinical science courses. An "A" = 4.0 quality points per semester hour; a "B" = 3.0 quality points; a "C" = 2.0 quality points; and a "D" = 1.0 quality point. Grades of "F" do not carry quality points and "I" (incomplete) indicates unfinished work.

Research, thesis, seminars, special project courses, literature surveys, and comprehensive oral examinations are graded Pass/Fail. Each clinical specialty department has the discretion to grade clinical rotations on a Pass/Fail or letter grade basis.

Grades of D or F must be removed by re-examination, repeating instruction, and/or additional work to the satisfaction of the course director. It is the responsibility of the student to contact the instructor within ten school days to arrange for remediation. The final grade, will be the average of the "D" or "F" and the remake grade, but in no case may the final grade be higher than a "C." A grade of "I" (incomplete) may be assigned when required work has not been completed. In these instances, requirements must be met within one semester and any appropriate grade may be assigned by the instructor. Failure to remove the "I" will result in a final grade of "F" on the transcript.

A student may withdraw from a course with permission of the department chairperson up to the midpoint of the semester. A grade of "WP" (withdrawn passing) or "WF" (withdrawn failing) will be assigned to indicate status. After the semester midpoint, the course must be continued and a final grade will be assigned in the course at semester end. Students on academic probation as described below may not withdraw after the first two weeks of a course.

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### Grade Requirements

To receive a Master of Science in Dentistry degree and/or Postgraduate Certificate in an advanced education program, a student must have at least a "B" (3.0) cumulative grade point average.

A student will be placed on academic probation at the end of any semester in which the cumulative GPA is below 3.0. A student will be considered for dismissal (1) if the cumulative GPA is below a 3.0 for three consecutive semesters; (2) for failure to remove grades of "I" or "F" in the designated time period of one semester; (3) upon receipt a grade of "F", and (4) for serious scholastic, clinical, or professionalism/ethics difficulties as determined by the Department and administration.

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## Review of Academic Actions

Advanced Education Students (except those participating in the Oral and Maxillofacial Surgery Residency Program) may appeal any academic action to the Associate Dean for Academic Affairs, in writing, within five working days after receipt of their letter stating academic actions. The letter should present the basis upon which the appeal is being requested. If the Associate Dean for Academic Affairs accepts the appeal, the process described below will apply.

The Associate Dean for Academic Affairs will refer the appeal to an ad hoc appeal committee consisting of the Director of Advanced Education, who will serve as chair, and three additional program directors appointed by the Director of Advanced Education. The director of the involved program will not be eligible to serve on the ad hoc appeals committee. The appeal committee will review the circumstances leading to the academic action, meet with the student and other involved individuals, and submit a final recommendation to the Dean within 15 working days of the final committee meeting. The student will be notified of the Dean's decision within five working days following receipt of the committee's recommendations. The Dean's decision is final.

Individual participating in the Oral and Maxillofacial Surgery Residency Program will be subject to the policies and provisions of the program as described in the OMFS residency manual.

## CURRICULUM

The curriculum consists of basic and clinical science courses, conferences, hospital rotations, and clinical conferences that meet the requirements for examination by the various American Specialty Boards and Commission on Dental Accreditation. The courses are scheduled on an academic year basis from July 1 to June 30, and are conducted according to the School of Dentistry academic calendar. Basic and clinical science courses, hospital rotations, clinical activities, and clinical resident conferences may be added, deleted, or modified at the discretion of the school. The official listing of courses available in a given semester are published online by the Office of the Registrar.

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## Courses of Instruction/Description

Courses of instruction are identified by an eight-digit number. The first four characters indicate the school and program; the first two numbers indicate the specialty area of the basic and clinical sciences in a numerical range of 01-99, and the last two numbers indicate the numerical sequence of the courses offered by the respective basic and clinical sciences specialty or department in a numerical range of 01-99.

Note: Course descriptions are intended to represent skills and knowledge that should accompany successful completion of the course and should not be construed as a guarantee or warranty by UTHSC-H of the required level of achievement by every student.

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## BASIC SCIENCES

### BASIC SCIENCES

Core Curriculum

#### **DBPG 1115 Advanced Basic Sciences I**

Weltman and Lewis. 3 SH. Fall

Students will be provided with an advanced understanding of neurosciences and pharmacology.

#### **111 The School of Dentistry**



Topics to be covered in neurosciences may include neurotransmitters as chemical messengers; neural pathways of somatosensation; ascending sensory pathways; motor pathways; clinical entities affecting the spinal cord or peripheral nerves; clinical symptoms of cranial nerve damage; clinical syndromes of the head and neck region; pain reception and peripheral mediation; pain mediation through the dorsal horn and ascending pain pathways-structure, function and pathology; clinical pain in dentistry; and mastication and oral reflexes. Topics in pharmacology may include principles and pharmacokinetics, autonomic drugs, fluoride and anti-plaque agents, neurologic drugs, sedatives, opiate analgesics and anticonvulsants, local anesthetics, antibiotics, anti-inflammatory drugs, antihistamines and corticosteroids, cardiovascular drugs, drug laws and drug abuse, and general anesthetics.

**DBPG 1116 Advanced Basic Sciences II.**

Rittman. 4 SH. Spring

Students will be provided with an advanced understanding of tissue fine structure, wound healing, hemostasis, microbiology, and immunology. Topics to be covered in tissue fine structure may include cell structure, epithelia and glands, connective tissue, cartilage, bone and bone formation, other hard tissues, muscle, and peripheral blood vessels, and nerves. Topics to be covered in wound healing may include injury and the initial response, the proliferative phase of healing, epithelization and the remodeling phase, collagen and the ground substance, angiogenesis in wound healing, healing of bone fractures, muscle and nerve repair, growth factors and wound healing, and nutrition and wound healing. Topics to be covered in hemostasis may include vascular response, endothelial hemostatic balance, platelet microanatomy, function and evaluation, extrinsic and intrinsic coagulation, acute phase response, fibrinolysin, inhibitors of hemostasis, and bleeding disorders and laboratory evaluation prior to dental treatment. Topics to be covered in microbiology may include: basic bacteriology; biofilms, plaque, caries; periodontal pathogens, pulp and periapical infection, diagnostic microbiology, oral virus infections, and oral fungal infections. Topics to be covered in immunology may include introduction, immunoglobulin and antigen-antibody reactions, innate immunity and complement, major histocompatibility complex and antigen processing, b cells and t cells, cytokines and chemokines, cell-mediated immunity and dendritic cells, immunology of wound healing, and inflammation.

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**Anatomical Sciences**

**DBGP 1101 Anatomy (Head & Neck)**

Warner. 3 SH Summer

This course is designed to review basic head and neck anatomy to cover details that may not have been included in a general anatomy course. Each region is treated by lecture followed by dissection. A good faculty-to-student ratio and discussion in the laboratory ensures that the material is being understood and learned.

**DBPG 1106 Cell/Developmental Biology**

Duke. 1 SH Fall

This course will familiarize students with principles of molecular biology and provide a basic understanding of genetics and cytogenetics, and a detailed knowledge of development of the craniofacial complex, including formation of the face and the bones of the skull. A review of cell structure and reproduction is included, as well as a session on special techniques the student is likely to encounter in their studies and/or research.

**DBPG 1110 Oral Biology: Development, Structure and Function of Oral Tissues**

Duke 1 SH Fall

Students will have an opportunity to gain a basic understanding of the developmental anatomy, light and ultrastructural microscopic features, biochemistry, and functional properties of oral tissues. In particular, emphasis will be placed on developing and adult mineralized tissues of enamel, dentin, bone, and cementum as well as pulp, periodontium, oral mucosa, and salivary glands. Advanced instruction will include information about current research advances (basic and translational) within each of the topic areas.

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**Oral Biomaterials**

**DBPG 1304 Oral Biomaterials---Endodontics**

Dorn and Bohluli. 1 SH Summer

This didactic and laboratory course is designed to provide the student with the opportunity to learn the biological, chemical, and physical properties of materials used in the endodontic treatment of teeth. This course is offered and complete in the fall semester.

**DBPG 1305 Oral Biomaterials ---Orthodontic Biomechanics and Materials**

English, 2 SH Fall

This didactic and laboratory course is designed to provide the student with the opportunity to learn the properties of materials used in Orthodontics.

The following courses are offered by the Graduate School of Biomedical Sciences.

**DBPG 1081 Oral Biomaterials II**

Ontiveros. 1 SH Fall

This didactic course will provide the student the opportunity to learn current concepts in the oral biomaterials applied to fixed and removable prosthodontics

**DBPG 1091 Oral Biomaterials I**

Paravina. 1 SH Spring

This didactic course will provide the student the opportunity to learn current concepts in oral biomaterials applied to operative and esthetic dentistry.

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**Stomatology**

**DBPG 1612 Graduate Oral Pathology**

Bouqout. 2 SH Fall

This course is comprised of advanced lectures in oral pathology for students in the various specialties. Topics in this course include the oral manifestations of infectious diseases, inflammatory conditions, odontogenic cysts and neoplasms, selected benign and malignant neoplasms of the soft and hard tissues, salivary gland disorders and mucocutaneous diseases. Emphasis is placed on the pertinent clinical and microscopic findings, treatment, and prognosis and differential diagnosis.

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## Physiology

### **DBPG 1804 Pulp Biology**

#### **Dorn.1 SH Summer**

This is a lecture/seminar course designed to provide the student with an in-depth knowledge of the dental pulp, both in health and disease. Emphasis will be placed on the embryology, microanatomy, physiology, and histology of the dental pulp. Both classic and current literature are used to highlight the various pulpal reactions to a variety of irritants, along with associated diagnostic and clinical therapeutic procedures.

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## Non-Departmental

### **DBPG 1911 Research**

#### **Faculty Committee. Variable 1-6 SH Credit given in final semester.**

Research activity usually includes registration for one - four hours of credit per fall or spring semester, beginning either in the spring preceding graduation or fall of the terminal year. A minimum of four semester hours is required for all degree programs, except Periodontics which requires six. Refer to Graduation Requirements for additional information.

### **DBPG 1912 Thesis**

#### **Faculty Committee. 2 SH Credit given in final semester.**

The student, in consultation with the Clinical Department Chairperson, selects a research project in a basic science area or in a clinically applied specialty area as early as possible. The Department Chairperson appoints a Thesis Committee Chairperson knowledgeable in the area of the research chosen. Other members of the Thesis Committee are chosen by the Department Chairperson and by the Thesis Committee Chairperson.

### **DBPG 1920 Applied Sciences II**

#### **O'Neill. 2 SH Summer**

This course provides the advanced student with the opportunity to understand the principles of ethics, jurisprudence and risk management, behavioral sciences, and education and teaching methodology.

### **HI 5352W Statistical Methods in Health Informatics**

#### **Johnson. 3 SH Summer**

This course provides the student the opportunity to develop basic competencies in the measurement, design, analysis, interpretation, and critical evaluation of health information research and evaluation studies. Students will have the opportunity to learn and apply the most important and most frequently used statistical measures and methods, as well as to critically evaluate their appropriate use in health informatics research and evaluation. Topics include the study of frequency distributions, measures of central tendency, variance, hypothesis testing, correlation and both parametric and non-parametric inferential methods including t-tests, analysis of variance, chi-square, test of significance, and tests of measures of association.

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**CLINICAL SCIENCES****DBPG 1001 Conscious Sedation I****Whitmire. 1 SH Summer**

This course will encompass the principles of sedation patient selection, the pharmacology and physiology of certain anesthesia-related topics and limited clinical assignments. The lectures will be concerned primarily with nitrous oxide conscious sedation. Clinical proficiency in the delivery of nitrous oxide is not evaluated in this course, although, didactic requirements for nitrous oxide sedation are fulfilled. This course will complete in the fall semester.

**DBPG 1002 Conscious Sedation II****Whitmire. 1 SH Fall**

The second of two courses, this section of conscious sedation directs its attention to principles and practice of other forms of sedation including oral, intravenous, and intramuscular approaches. This is primarily a didactic course with little clinical management, more clinical application to the patient's history, and clinical presentation. Conscious Sedation I is a prerequisite for Conscious Sedation II.

**DBPG 1007 Practice Management.****Weltman, Hindley. 1 SH. Fall**

This course is intended for the student in the final year of matriculation, and will discuss associateships, buying and borrowing, staffing, financial planning-personal insurance and computerization of the dental office.

**DBPG 1008 Graduate Oral Radiology****Abramovitch. 1 SH Spring**

This course offers an in-depth study of skull and related extraoral radiograph techniques. The resident will be introduced to panoramic radiology as well as Direct Digital imaging, both intraoral and extraoral. Localization techniques, image manipulation, and networking will also be presented in this course.

**DBPG 1009 Interdisciplinary Research Seminar I****Duke. 1 SH Fall**

This seminar series exposes the graduate student to the various research projects occurring in other disciplines in the School of Dentistry as well as other areas of the Medical Center. Presentations will be given by graduate students as well as guest scientists from other institutions in the Medical Center and Rice University.

**DBPG 1010 Interdisciplinary Research Seminar II.****Duke. 1 SH Spring**

This seminar series exposes the first-year graduate student to the various research projects occurring in other disciplines in the School of Dentistry as well as other areas of the Medical Center. Presentations will be given by graduate students as well as guest scientists from other institutions in the Medical Center and Rice University.

This course meets at noon every Wednesday. It is required for first-year orthodontic residents for both fall semesters. Interdisciplinary Research Seminar II (DBPG 1009) is a prerequisite for this course.

**DBPG 1011 Interdisciplinary Research Seminar III.**

**Duke 1 SH. Fall**

This seminar series exposes the second-year graduate student to the various research projects occurring in other disciplines in the School of Dentistry as well as other areas of the Medical Center. Presentations will be given by graduate students as well as guest scientists from other institutions in the Medical Center and Rice University.

This course meets at noon every Wednesday. It is required for second-year orthodontic residents for both fall semesters. Interdisciplinary Research Seminar II (DBPG 1010) is a prerequisite for this course.

**DBPG 1012 Interdisciplinary Research Seminar IV.**

**Duke 1 SH Spring**

This seminar series exposes the second-year graduate student to the various research projects occurring in other disciplines in the School of Dentistry as well as other areas of the Medical Center. Presentations will be given by graduate students as well as guest scientists from other institutions in the Medical Center and Rice University.

This course meets at noon every Wednesday. It is required for second-year orthodontic residents for both fall semesters. Interdisciplinary Research Seminar II (DBPG 1011) is a prerequisite for this course.

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**Endodontics**

**DBPG 2004 Preclinical Graduate Endodontics**

**Dorn. 1 SH Summer**

The objective of this introductory course is to present major biological and technical aspects of endodontic treatment in a seminar/laboratory setting. The student will learn various instrumentation and obturation modalities in a simulated clinical environment. The student will be expected to develop, enhance, and assess his/his clinical skills prior to beginning the clinical phase of the program.

**DBPG 2005 Endodontic Surgery**

**Dorn. 1 SH Spring**

The objective of this lecture/seminar course is to provide a comprehensive analysis of contemporary principles of endodontic surgery. At the conclusion of the course, the student will have the opportunity to acquire a sound understanding of the scientific literature and biological principles that support the surgical skills necessary to properly manage cases not amenable to nonsurgical therapy.

**DBPG 2006 Topical Seminar in Endodontics**

**Dorn. 1SH Fall & Spring**

This seminar course presents an in-depth analysis of the biological principles and scientific foundation for all aspects of endodontic therapy. A critical evaluation of the classical and contemporary literature will be emphasized to help provide the student with a rationale for clinical treatment. Extensive readings of texts and literature along with presentation of papers directly applicable to endodontics will be required.

**DBPG 2008 Current Literature Seminar**

**Dorn. 1SH Fall & Spring**

This seminar course is intended to broaden the student's background in endodontics through a critical analysis of the current literature.

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**Oral and Maxillofacial Surgery**

**DBPG 4001 Oral and Maxillofacial Surgery Seminar**

**Wong 1 SH Summer, Fall & Spring**

This seminar will cover a variety of topics in oral and maxillofacial surgery. The syllabus is composed of a core curriculum repeated every year from July-October and a rotating curriculum for the remainder of the year. Core subjects include hospital protocol, introduction to the management of maxillofacial trauma, maxillofacial infections fluid and electrolyte balance, renal function, head and neck imaging, peri-operative analgesia, soft and hard tissue healing. The rotating curriculum will cover various topics in a three-year cycle, and will include maxillofacial trauma, head and neck cancer, reconstructive and bone graft surgery, dentoalveolar surgery, pre-prosthetic surgery, facial cosmetic surgery, cleft surgery, TMJ dysfunction, and microneurosurgery.

**DBPG 4002 Orthognathic Conference**

**English. 1 SH Fall & Spring**

The orthognathic conference is jointly presented by faculty from the Departments of Oral and Maxillofacial Surgery and Orthodontics. Weekly presentations will cover the diagnosis, treatment planning, and treatment of patients with dentofacial deformities. Topics covered will include orthodontics preparation of patients for orthognathic surgery, surgical procedures, distraction techniques, and the management of syndromic patients.

**DBPG 4003 Clinico-Pathologic Conference (CPC)**

**Gilbert. 1 SH Summer, Fall & Spring**

The CPC is a 20 – 30 minute presentation incorporated into the Department of Oral Maxillofacial Surgery's weekly meeting at Methodist. Interesting pathology cases are presented using a clinical approach. Emphasis is placed on the initial presentation, interpreting radiographic and serological results, development of a differential diagnosis, and confirmation of the diagnosis with histology. Treatment measures are also discussed.

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**Orthodontics**

**DBPG 5005A Current and Classical Literature in Orthodontics I**

**English. 1 SH Fall**

This course reviews current and classical orthodontic literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question/answer/discussion follow each abstract presentation. Topics in Orthodontics I (DBPG 5010) is a prerequisite for this course.

**DBPG 5005B Current and Classical Literature in Orthodontics II**

**English. 1 SH Spring**

This course reviews current and classical orthodontic literature. Reading assignments are given to each resident. Abstracts of each article are completed by the resident assigned that article. A short question/answer/discussion follow each abstract presentation. Current and Classic Literature in Orthodontics I (DBPG 5005A) is a prerequisite for this course.

**DBPG 5005C Current and Classical Literature in Orthodontics III.**

**English. 1SH Fall**

This course reviews current and classical orthodontic literature. Reading assignments are given to each resident. Abstracts of each article are completed by the resident assigned that article. A short question/answer/discussion follow each abstract presentation. Current and Classic Literature in Orthodontics I (DBPG 5005B) is a prerequisite for this course.

**DBPG 5005D Current and Classical Literature in Orthodontics IV**

**English. 1SH Spring**

This course reviews current and classical orthodontic literature. Reading assignments are given to each resident. Abstracts of each article are completed by the resident assigned that article. A short question/answer/discussion follow each abstract presentation. Current and Classic Literature in Orthodontics I (DBPG 5005C) is a prerequisite for this course.

**DBPG 5010 Topics in Orthodontics I**

**English. 2 SH Summer**

This advanced course provides the student with the opportunity to learn the scientific knowledge, biomechanical principles, and orthodontic techniques required to diagnose, treatment plan, and correct routine and complex malocclusions of growing and skeletally mature patients. Students are required to make oral case presentations of patients diagnosed and treated in the postgraduate clinic. Class time is a combination of lectures, seminars, laboratories and clinical activities. Topics include orthodontic diagnosis and treatment planning, cephalometrics and radiology, orthodontic and orthodontic appliance design, orthodontic techniques, dentofacial orthopedics, biomechanical principles, interdisciplinary comprehensive care, interdisciplinary care lecture series, clinical photography, and clinical orthodontic treatments/cases management.

**DBPG 5011 Topics in Orthodontics II**

**English. 4 SH Fall**

See DBPG 5010 for course description.

**DBPG 5012 Topics in Orthodontics III.**

**English. 4 SH. Spring**

See DBPG 5010 for course description.

**DBPG 5013 Topics in Orthodontics IV.**

**English. 2 SH. Summer**

This advanced course provides the student with advanced knowledge in orthodontic diagnosis, analysis/case management, and treatment. Various approaches to routine orthodontic tooth movement, dentofacial orthopedic techniques, surgical-orthodontic techniques, and techniques for managing cleft palate and craniofacial deformities patients are presented. Instruction in different topic areas consists of a combination of lectures, seminars, laboratories, and clinical activities throughout the year. Students are required to make oral case presentations throughout the year on patients they are treating in the postgraduate or craniofacial deformities clinic. At the completion of the course each resident is required to present a comprehensive oral and written case analysis of some or all their patients to the faculty. Topics in Orthodontics I (DBPG 5012) is a prerequisite for this course.

**DBPG 5014 Topics in Orthodontics V.**

**English. 4 SH. Fall**

See DBPG 5013 for course description.

**DBPG 5015 Topics in Orthodontics VI.**

English. 4 SH Spring

See DBPG 5013 for course description

**DBPG 5016 Craniofacial Growth and Development I.**

Duke, Akyalcin and Englis. 2 SH Spring

This course will provide the student with a basic understanding of prenatal and postnatal craniofacial growth and development as it relates to orthodontic diagnosis and treatment planning. Topics include molecular aspects of prenatal craniofacial patterning, clinical genetics, syndrome delineation, general concepts of physical growth, postnatal development of the cranial vault, cranial base, midface and mandible, patterning and control mechanisms during postnatal development, correlative growth and facial growth prediction, speech and language development, and relevant aspects of cognitive, emotional, and psychosocial development. Instruction will utilize lectures, seminars/discussions, and student presentations. Topics in Orthodontics I (DBPG 5010) is a prerequisite for this course.

**DBPG 5017 Craniofacial Growth and Development II.**

Duke. 2 SH Fall

A continuation of Craniofacial Growth and Development Part I

**DBPG 5020 Orthodontic Practice Management.**

**English. 1SH. Spring**

This orthodontic practice management course will focus on the business aspects of an orthodontic practice. It will include the AAO Practice Alternative Program, valuation of orthodontic practices, bank-related issues, development of a practice plan, insurance issues including professional liability and disability, and computerization of the orthodontic office.

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## **Pediatric Dentistry**

**DBPG 6001A Topics in Pediatric Dentistry I.**

**Badger, Faculty. 2SH. SUMMER**

This advanced course provides the student with the knowledge, principles and comprehensive understanding of Pediatric Dentistry required to diagnose, formulate treatment plans and provide quality patient care. Class time is a combination of lectures, seminars, and clinical activities. Students are presented with a series of topics covering areas of Pediatric Dentistry in lecture and discussion format by the faculty. Students are required to make oral case presentations. Written and oral exams are given to verify each student has mastered all topic areas which are required for completion of certificate requirements. (This is for DBPG 6001A)

**DBPG 6001B Topics in Pediatric Dentistry I.**

**Badger, Faculty. 2SH. FALL**

A continuation of advanced topics presented in DBPG 6001.

**DBPG 6001C Topics in Pediatric Dentistry I**

**Badger, Faculty. 2SH SPRING**

A continuation of advanced topics presented in DBPG 6001.



**DBPG 6001D Topics in Pediatric Dentistry II.**

**Badger, Faculty. 2SH. SUMMER**

This advanced course continues to provide the student with advanced knowledge and comprehensive understanding of Pediatric Dentistry. Class time is a combination of lectures, seminars, and clinical activities. Students are presented with a series of topics covering areas of Pediatric Dentistry in lecture and discussion format by the faculty. Students are required to make oral case presentations throughout the year. Written and oral exams are given to verify each student has mastered all the topic areas which are required for completion of certificate requirements. Topics in Pediatric Dentistry I (DBPG 6001) is a prerequisite for this course (This is for DBPG 6001D)

**DBPG 6001E Topics in Pediatric Dentistry II**

**Badger, Faculty. 2SH. FALL**

A continuation of advanced topics presented in DBPG 6001.

**DBPG 6001F Topics in Pediatric Dentistry II**

**Badger, Faculty. 2SH. SPRING**

A continuation of advanced topics presented in DBPG 6001.

**DBPG 6007A Current & Classical Literature Review in Pediatric Dentistry I**

**Badger. 1SH. FALL**

This course reviews current and classical pediatric dental and related literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question and answer discussion follow each abstract presentation. Topics in Pediatric Dentistry I (DBPG 6001) is a prerequisite for this course.

**DBPG 6007B Current & Classical Literature Review in Pediatric Dentistry I**

**Badger. 1SH. SPRING**

This course reviews current and classical pediatric dental and related literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question and answer discussion follow each abstract presentation. Current & Classical Literature Review in Pediatric Dentistry I (DBPG 6007) is a prerequisite.

**DBPG 6007C Current & Classical Literature Review in Pediatric Dentistry II –**

**Badger. 1SH. SUMMER**

This course reviews current and classical pediatric dental and related literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question and answer discussion follow each abstract presentation

Current & Classical Literature Review in Pediatric Dentistry I (DBPG 6007) is a prerequisite for this course.

**DBPG 6007D Current & Classical Literature Review in Pediatric Dentistry II**

**Badger. 1SH. FALL**

This course reviews current and classical pediatric dental and related literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question and answer discussion follow each abstract presentation. Current & Classical Literature Review in Pediatric Dentistry I (DBPG 6007) is a prerequisite for this course.

**DBPG 6007E Current & Classical Literature Review in Pediatric Dentistry II**

**Badger. 1SH. SPRING**

This course reviews current and classical pediatric dental and related literature. Reading assignments are given to each resident. Abstracts of each article are completed by the residents assigned that article. A short question and answer discussion follow each abstract presentation. Current & Classical Literature Review in Pediatric Dentistry I (DBPG 6007) is a prerequisite for this course.

**DBPG 6016 Pediatric Seminar in Craniofacial Development I**

**Badger, Chiquet. 2SH. SPRING**

This course covers the growth and development didactic criteria, including (1) biology of craniofacial development and tooth movement, (2) facial growth, (3) orthodontic diagnosis, (4) orthodontic treatment planning, and (5) interceptive orthodontic treatment.

**DBPG 6017 Pediatric Seminar in Craniofacial Development II**

**Badger, Dosani. 2SH. FALL**

This course involves the review of etiology, manifestations and treatment considerations of syndromes affecting patients commonly treated by Pediatric Dentists. Through this seminar course, participants will discuss these syndromes based on (1) presentation of developmental anomaly and systems involved, if applicable, (2) treatment modifications, (3) medical management of the patient, and (4) pertinent research on disease etiology. Additionally, speech and hearing specialists who work with affected children will discuss various therapies available to treat these patients.

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**Periodontics**

**DBPG 7008 Dental Implant Lecture Series**

**Trejo. 2 SH SPRING**

This course introduces first-year periodontology students to the broad discipline of implant dentistry. Implant Seminars I and II are offered to second- year students in the spring and fall semesters, respectively. These seminars will provide additional didactic exposure. The course consists of a series of lectures given by faculty members and practitioners involved with dental implants. The lectures will include diagnosis and treatment planning, surgical and prosthetic considerations, and implant maintenance. Additionally, as part of the course, the students will be required to treatment plan a case incorporating dental implants. Implants concepts based on scientific literature, rather than concepts based on non-validated dogmas, will be emphasized through the course.

**DBPG 7009 Topics in Periodontics**

**Weltman & Faculty 2 SH Fall & Spring**

This series of seminars, which extend sequentially through three semesters, concentrate in a thorough, in-depth review, discussion, and evaluation of the periodontal literature related to different aspects of therapy. All non-surgical and surgical approaches, as well as different aspects of the occlusion are reviewed. Weekly papers are required on specific assigned topic. An oral presentation of the subject, by one of the graduate students, will be followed by a discussion with participation of all the students, under the direction of the faculty member conducting the seminar.

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## Prosthodontics

### **DBPG 8006A Periodontic/Prosthodontic Conference I Belles, and Weltman 1 SH Spring**

This course requires a periodontic student and a prosthodontic resident to jointly prepare a patient's case for diagnosis and treatment planning conference. The students will be scheduled to present this patient case to their peer group and mentors. The mentors in attendance will evaluate and grade the students' presentation and audience participation. Objectives are learning the process of determining a differential dental diagnosis, developing optional treatment plans, learning sequential treatment planning, evaluation of the dental fees to the patient, learning coordinated interdisciplinary care, and preparing and delivering case presentations.

### **DBPG 8006B Periodontic/Prosthodontic Conference II Belles, and Weltman 1 SH Spring**

This course requires a periodontic student and a prosthodontic resident to jointly prepare a patient's case for diagnosis and treatment planning conference. The students will be scheduled to present this patient case to their peer group and mentors. The mentors in attendance will evaluate and grade the students' presentation and audience participation. Objectives are learning the process of determining a differential dental diagnosis, developing optional treatment plans, learning sequential treatment planning, evaluation of the dental fees to the patient, learning coordinated interdisciplinary care, and preparing and delivering case presentations.

### **DBPG 8006C Periodontic/Prosthodontic Conference III Belles, and Weltman 1 SH Spring**

This course requires a periodontic student and a prosthodontic resident to jointly prepare a patient's case for diagnosis and treatment planning conference. The students will be scheduled to present this patient case to their peer group and mentors. The mentors in attendance will evaluate and grade the students' presentation and audience participation. Objectives are learning the process of determining a differential dental diagnosis, developing optional treatment plans, learning sequential treatment planning, evaluation of the dental fees to the patient, learning coordinated interdisciplinary care, and preparing and delivering case presentations.

### **DBPG 8010 Graduate Prosthodontics I Belles. 2SH Summer**

This is a preclinical course for first-year advanced prosthodontic students. It includes all of the clinical and laboratory phases of complete denture therapy and the first half of a two semester course in occlusion.

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## Clinical Activities

DBPG 2001 Endodontic Clinic I  
Dorn. 2-7 SH

DBPG 2002 Endodontic Clinic II  
Dorn 2-7 SH

DBPG 2003 Endodontic Clinic III  
Dorn. 2-7 SH

DBPG 5001 Orthodontic Clinic I  
English. 2-5 SH

DBPG 5002 Orthodontic Clinic II  
English. 2-5 SH

DBPG 5003 Orthodontic Clinic III  
English. 2-5 SH

DBPG6005A Pediatric Clinic I  
Fenton. 1SH

DBPG6005B Pediatric Clinic I  
Vance. 1 SH

DBPF6005C Pediatric Clinic I  
Vance 3SH

DBPG6006A Pediatric Clinic II  
Vance. 3 SH

DBPG6006B Pediatric Clinic II  
Fenton, 2 SH

DBPB6006C Pediatric Clinic II  
Vance. 3SH

DBPG 7001 Periodontal Clinic I  
Weltman. 1-5 SH

DBPG 7002 Periodontal Clinic II  
Weltman. 1-5 SH

DBPG7003 Periodontal Clinic III  
Weltman. 1-5 SH

DBPG 8001 Prosthodontic Clinic I  
Belles. 1-5 SH

DBPG 8002 Prosthodontic Clinic II  
Belles. 1-5 SH

DBPG 8005 Prosthodontic Clinic III  
Belles. 3-6 SH

## ADVANCED EDUCATION PROGRAMS

The basic and clinical science courses, clinical activities, clinical conferences, and hospital rotation may vary according to changes dictated by requirements for accreditation by the particular American Specialty Board.

### Endodontics

#### 26 Month Program

The Advanced Education Program in Endodontics is an academically intense 26 Month Advanced Education Program accredited by the Commission on Dental Accreditation of the American Dental Association and leads to the award of a Specialty Certificate in Endodontics and a Master of Science in Dentistry degree. Award of the Certificate and Degree requires completion of 68 semester hours of formal courses.

#### FIRST YEAR CURRICULUM

| Course No.                  | Descriptive Title   | Semester Hrs.    |
|-----------------------------|---|------------------|
| <i>Summer Session</i>       |   |                  |
| DBPG 1101                   | Anatomy-Head and Neck   | 3                |
| DBPG 1304                   | Oral Biomaterials-Endodontics                                 | 1                |
| DBPG 1804                   | Pulp Biology  |                  |
| DBPG 1001                   | Conscious Sedation I  | 1                |
| DBPG 2004A                  | Endodontic Pre-Clinical Technique                             | 1                |
| HI 5352W                    | Statistical Methods   | 3                |
| <br><i>Fall Semester:</i>   |   |                  |
| DBPG 1106                   | Cell/Development Biology                                      | 1                |
| DBPG 1110                   | Oral Biology: Development, Structure Function of Oral Tissues | 1                |
| DBPG 1115                   | Advanced Basic Sciences I                                     | 3                |
| DBPG 1002                   | Conscious Sedation II   | 1                |
| DBPG 2001A                  | Endodontic Clinic I   | 4                |
| DBPG 2006A                  | Topical Seminar in Endodontics                                | 1                |
| DBPG 2008A                  | Current Literature Seminar                                    | 1                |
| <br><i>Spring Semester:</i> |   |                  |
| DBPG 1116                   | Applied Basic Sciences II4                                    |                  |
| DBPG 2001B                  | Endodontic Clinic I   | 4                |
| DBPG 2005                   | Endodontic Surgery  | 1                |
| DBPG 2006B                  | Topical Seminar in Endodontics                                | 1                |
| DBPG 2008B                  | Current Literature Seminar                                    | 1                |
|                             |   | <b>TOTALS 33</b> |

**SECOND YEAR CURRICULUM**

| <b>Course No.</b>       | <b>Descriptive Title</b>       | <b>Semester Hrs.</b> |
|-------------------------|--------------------------------|----------------------|
| <i>Summer Session:</i>  |                                |                      |
| DBPG 1920               | Advanced Sciences II           | 2                    |
| DBPG 2002A              | Endodontic Clinic II           | 4                    |
| <i>Fall Semester:</i>   |                                |                      |
| DBPG 1612               | Graduate Oral Pathology        | 2                    |
| DBPG 2002B              | Endodontic Clinic II           | 5                    |
| DBPG 2006C              | Topical Seminar in Endodontics | 1                    |
| DBPG 2008C              | Current Literature Seminar     | 1                    |
| DBPG 1911A              | Research                       | 2                    |
| DBPG 1007               | Practice Management            | 1                    |
| <i>Spring Semester:</i> |                                |                      |
| DBPG 2002C              | Endodontic Clinic II           | 7                    |
| DBPG 2006D              | Topical Seminar in Endodontics | 1                    |
| DBPG 2008D              | Current Literature Seminar     | 1                    |
| DBPG 1911B              | Research                       | 2                    |
|                         | <b>TOTALS</b>                  | <b>29</b>            |

**THIRD YEAR CURRICULUM**

| <b>Course No.</b>      | <b>Descriptive Title</b> | <b>Semester Hrs.</b> |
|------------------------|--------------------------|----------------------|
| <i>Summer Session:</i> |                          |                      |
| DBPG 2003A             | Endodontic Clinic III    | 4                    |
| DBPG 1912A             | Thesis                   | 2                    |
|                        | <b>TOTALS</b>            | <b>6</b>             |

2 Practice Teaching

3 Semester schedules are published by the Program Director.

4 Written and oral progress evaluation are performed each semester by the Program Director.

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**Advanced Education General Dentistry (AEGD)**

**One-Year Program (with optional second year)**

The advanced education program in general dentistry (AEGD) requires satisfactory completion of the following for award of the residency certificate:

**FIRST YEAR CURRICULUM**

| <b>Course No.</b> | <b>Descriptive Title</b>  | <b>Semester Hrs.</b> |
|-------------------|---|----------------------|
| <i>Summer:</i>    |   |                      |
| DBPG 1001         | Conscious Sedation I<br>2-week hands-on and mini-lecture courses in Prosthodontics, Endodontic, Dental Photography, Periodontal techniques, Oral Medicine, Laser Therapy<br>Weekly 4 hr seminars in Diagnosis & Treatment Planning<br>General Dentistry Clinic  | 1                    |
| <i>Fall:</i>      |   |                      |
| DBPG 1081         | Oral Biomaterials I<br>12 weekly seminars in Implantology<br>6-12 Implant hands-on courses (6 different systems, surgical and prosthetic)<br>10 weekly seminars in Periodontics<br>Weekly 4 hour seminars in Diagnosis & Trt Plng.<br>Weekly lunch and learn or morning courses<br>General Dentistry Clinic | 1                    |
| <i>Spring:</i>    |   |                      |
| DBPG1091          | Oral Biomaterials II<br>Weekly 4 hour seminars in Diagnosis & Trt. Plng.<br>Current Literature Seminars<br>Weekly lunch and learn or morning courses<br>Preparation/Presentation of Table Clinic at GHDM<br>General Dentistry Clinic  | 1                    |
|                   |   | <b>TOTAL 3</b>       |

2. Monthly/weekly schedules are published by the Program Director.
3. Written and oral progress evaluations are performed three times per year by the Program Director.

**AEGD OPTIONAL SECOND YEAR:**

Course: Summer: DBPG 1920 Applied Sciences II  
Fall: DBPG1007 Practice Management  
Spring: DBPGA 8006A Perio/Pros Tx Planning Conference

Rotations: The Houston Department of Health and Human Services, Bureau of Oral Health, Pediatric Clinics

(Optional) The UT MD Anderson Cancer Center, Maxillofacial Prosthetic and Dental Oncology Clinic (US top cancer center)  
The Bering Omega HIV/AIDS clinic (a United Nations model agency)  
San Jose Charity Clinic (the region largest and most comprehensive charity care clinic)

Teaching: Fourth year undergraduate dental clinic  
Clinic: 70% plus

**General Practice Residency (GPR)**

**One-Year Program (with optional second year)**

The advanced education (residency) program in general practice (GPR) requires satisfactory completion of the following for award of the residency certificate:

**FIRST YEAR CURRICULUM**

| <b>Course No.</b>                      | <b>Descriptive Title</b>                                  | <b>Semester Hrs.</b> |
|--|---|----------------------|
| <i>Rotations during year off site:</i> |   |                      |
|  | Oral Surgery (OMFS)                                       |                      |
|  | ENT   |                      |
|  | Internal Medicine   |                      |
|  | Anesthesiology  |                      |
| <i>Summer:</i>                         |   |                      |
| DBPG 1001                              | Conscious Sedation I                                      | 1                    |
| <i>Fall:</i>                           |   |                      |
| DBPG 1002                              | Conscious Sedation II                                     | 1                    |
|  | 10 weekly seminars in Periodontics                        |                      |
|  | Selected seminars in Oral Biomaterials I                  |                      |
|  | Weekly to biweekly seminars in Diagnosis & Trt Plng.      |                      |
|  | Restorative Dentistry Clinic                              |                      |
| <i>Spring:</i>                         |   |                      |
| DBPG 1091                              | Oral Biomaterials II                                      | 1                    |
|  | Biweekly presentations on oral pathology; various faculty |                      |
|  | Weekly and/or Biweekly seminars in Diagnosis & Trt.Plng.  |                      |
|  | Current Literature Seminars                               |                      |
|  | Preparation/Presentation of Table Clinic at GHDM          |                      |
|  | Restorative Dentistry Clinic                              |                      |
|  |   | <b>TOTAL 3</b>       |

**OPTIONAL SECOND YEAR:**

|                   |                                |
|-------------------|--------------------------------|
| Course:           | Graduate Oral Pathology Course |
| Rotations:        | Anesthesia                     |
|                   | Oncology (@ LBJ)               |
|                   | OMFS                           |
|                   | MD Anderson                    |
| Clinic:           | 80% plus                       |
| Call with faculty |                                |



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## Oral and Maxillofacial Surgery

### Four -Year Program

The four-year advanced education (residency) program in oral and maxillofacial surgery requires satisfactory completion of the following for award of the OMFS specialty certificate:

### SCHEDULE OF DEPARTMENT CONFERENCES

#### 1. ORTHOGNATHIC SURGERY SEMINAR

Mondays, 7:00 – 8:00 AM

UTSD, Room 6520

The goals and objectives of the Orthognathic Surgery Seminar are: 1) To provide residents with a comprehensive didactic experience in the diagnosis and combined surgical-orthognathic management of patients with cranio-maxillofacial and cleft deformities, 2) to provide an interactive environment for members of the Departments of Oral and Maxillofacial Surgery and Orthodontics to discuss and formulate treatment plans for actual clinical cases and 3) to provide an interactive environment for members of the Department of OMS and Orthodontics to audit the results of combined cases.

#### 2. OMS SEMINAR

Tuesdays, 7:00 – 8:00 AM

UTSD, Room 6520

The OMS Seminar series is organized into two categories of lectures. The core category is conducted in the first three months of the academic year and covers essential material required by junior grade residents to function on-call and in a hospital environment. Upper level residents find these lectures a helpful review of basic material. The second category of lectures is composed of a series of rotating topics in all the major subject areas of the specialty. These topics will be repeated every three years, enabling all residents to hear the lectures at least twice during their residency. The goal of this conference is to provide residents with in-depth knowledge in these selected areas. Invited speakers from other specialties and institutions are often featured during this seminar.

#### 3. Clinico-Pathologic-Conference

Thursdays, 7:00 – 8:00 AM

TMH

The goals and objectives of the CPC are to review the diagnosis and management of oral pathology. These sessions are presented by residents who gain experience in oral presentation techniques and computerized slide making. The question and answer sessions which follow the presentation are opportunities for Socratic teaching and are felt to help residents prepare for future oral examinations.

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**DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY**

**4 Year OMS CERTIFICATE PROGRAM OUTLINE**

| <b>YEAR</b> | <b>ACTIVITY</b>     | <b>DURATION</b> |
|-------------|---------------------|-----------------|
| PGY 1       | OMS                 | 12 months       |
| PGY 2       | Internal Medicine   | 3 months        |
| PGY 2       | Anesthesia          | 4 months        |
| PGY 2       | Neurosurgery        | 2 months        |
| PGY 2       | OMS                 | 3 months        |
| PGY 3       | OMS                 | 9 months        |
| PGY 3       | General Surgery     | 3 months        |
| PGY 4       | OMS Chief Residency | 12 months       |

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**Oral and Maxillofacial Surgery**

**Six-Year Program**

The six-year advanced education (combined) program in oral and maxillofacial surgery requires satisfactory completion of the following for the award of the MD degree and OMFS specialty certificate:

**SCHEDULE OF DEPARTMENT CONFERENCES**

**1. ORTHOGNATHIC SURGERY SEMINAR**

Mondays, 7:00 – 8:00 AM  
UTSD, Room 6520

The goals and objectives of the Orthognathic Surgery Seminar are: 1) To provide residents with a comprehensive didactic experience in the diagnosis and combined surgical-orthognathic management of patients with cranio-maxillofacial and cleft deformities, 2) to provide an interactive environment for members of the Departments of Oral and Maxillofacial Surgery and Orthodontics to discuss and formulate treatment plans for actual clinical cases and 3) to provide an interactive environment for members of the Department of OMS and Orthodontics to audit the results of combined cases.

**2. OMS SEMINAR**

Tuesdays, 7:00 – 8:00 AM  
UTSD, Room 6520

The OMS Seminar series is organized into two categories of lectures. The core category is conducted in the first three months of the academic year and covers essential material required by junior grade residents to function on-call and in a hospital environment. Upper level residents find these lectures a helpful review of basic material. The second category of lectures is composed of a series of rotating topics in all the major subject areas of the specialty. These topics will be repeated every three years, enabling all residents to hear the lectures at least twice during their residency. The goal of this conference is to provide residents with in-depth knowledge in these selected areas. Invited speakers from other specialties and institutions are often featured during this seminar.

**3. Clinico-Pathologic-Conference**

Thursdays, 7:00 – 8:00 AM  
TMH

The goals and objectives of the CPC are to review the diagnosis and management of oral pathology. These sessions are presented by residents who gain experience in oral presentation techniques and computerized slide making. The question and answer sessions which follow the presentation are opportunities for Socratic teaching and are felt to help residents prepare for future oral examinations.

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**DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY**

**INTEGRATED OMS/MD PROGRAM OUTLINE**

| <b>YEAR</b> | <b>ACTIVITY</b>                           | <b>DURATION</b> |
|-------------|---|-----------------|
| PGY 1       | OMS                                       | 12 months       |
| PGY 2       | OMS                                       | 2 months        |
| PGY 2       | MS II (USMLE Step 1)                      | 10 months       |
| PGY 3       | MS III                                    | 12 months       |
| PGY 4       | MS 4 (USMLE Step 2)                       | 3 months        |
| PGY 4       | Neurosurgery                              | 1 month         |
| PGY 4       | Anesthesia (OMS Rotation)                 | 4 months        |
| PGY 4       | General Surgery Internship                | 4 months        |
| PGY 5       | General Surgery Internship (USMLE Step 3) | 3 months        |
| PGY 5       | OMS                                       | 9 months        |
| PGY 6       | OMS Chief Residency                       | 12 months       |

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**Orthodontics 26-Month Program**

The Advanced Education Program in Orthodontics is an academically intense 26-month Advanced Education Program accredited by the Commission on Dental Accreditation of the American Dental Association, and leads to the award of a Specialty Certificate in Orthodontics and an optional Master of Science in Dentistry degree.

**FIRST YEAR CURRICULUM**

| <b>Course No.</b>     | <b>Descriptive Title</b>                                      | <b>Semester Hrs.</b> |
|-----------------------|---|----------------------|
| <i>Summer Session</i> |   |                      |
| DBPG 1101             | Anatomy-Head and Neck   | 3                    |
| HI 5352W              | Statistical Methods   | 3                    |
| DBPG 5001A            | Orthodontic Clinic I  | 3                    |
| DBPG 5010             | Topics in Orthodontics  | 2                    |
| <i>Fall Semester:</i> |   |                      |
| DBPG 1106             | Cell/Development Biology                                      | 1                    |
| DBPG 1110             | Oral Biology: Development, Structure Function of Oral Tissues | 1                    |
| DBPG 1305             | Oral Biomaterials   | 2                    |
| DBPG 1009             | Interdisc. Res. Seminar                                       | 1                    |
| DBPG 4002A            | Orthognathic Seminar  | 1                    |
| DBPG 5001B            | Ortho Clinic I  | 5                    |
| DBPG 5005A            | Current/Classic Lit   | 1                    |
| DBPG 5011             | Topics in Orthodontics II                                     | 4                    |

*Spring Semester:*

|              |                             |          |
|--------------|-----------------------------|----------|
| DBPG 1010    | Interdisc Res Seminar II    | 1        |
| DBPG 4002B   | Orthognathic Seminar        | 1        |
| DBPG 5001C   | Orthodontic Clinic I        | 5        |
| DBPG 5005B   | Current/Classical Lit II    | 1        |
| DBPG 5012    | Topics in Orthodontics III  | 4        |
| DBPG 5016    | Craniofacial Growth & Dev I | 2        |
| DBPG 5020    | Ortho Practice Management   | 1        |
| <b>TOTAL</b> |                             | <b>2</b> |

**SECOND YEAR CURRICULUM**

| <b>Course No.</b>       | <b>Descriptive Title</b>     | <b>Semester Hrs.</b> |
|-------------------------|------------------------------|----------------------|
| <i>Summer Session:</i>  |                              |                      |
| DBPG 1920               | Applied Sciences II          | 2                    |
| DBPG 5002A              | Orthodontics Clinic II       | 5                    |
| DBPG 5013               | Topics in Orthodontics IV    | 2                    |
| <i>Fall Semester:</i>   |                              |                      |
| DBPG 1612               | Graduate Oral Pathology      | 2                    |
| DBPG 1011               | Interdiscip. Res. Seminar    | 1                    |
| DBPG 4002               | Orthognathic Seminar         | 1                    |
| DBPG 5002C              | Orthodontic Clinic II        | 5                    |
| DBPG 5005C              | Current & Classical Lit. III | 1                    |
| DBPG 5014               | Topics in Orthodontics V     | 4                    |
| DBPG 5017               | Cranio-Facial Growth & Dev.  | 2                    |
| <i>Spring Semester:</i> |                              |                      |
| DBPG 1911A 125          | Sec. Research                | 2                    |
| DBPG 1008               | Grad Oral Radiology          | 1                    |
| DBPG 1012               | Interdisc. Res. Seminar IV   | 1                    |
| DBPG 4002D              | Orthognathic Seminar         | 1                    |
| DBPG 5002C              | Orthodontic Clinic II        | 5                    |
| DBPG 5005D              | Current/Classical Lit IV     | 1                    |
| DBPG 5015               | Topics in Orthodontics VI    | 4                    |
| <b>TOTAL</b>            |                              | <b>40</b>            |

**THIRD YEAR CURRICULUM**

| <b>Course No.</b>      | <b>Descriptive Title</b> | <b>Semester Hrs.</b> |
|------------------------|--------------------------|----------------------|
| <i>Summer Session:</i> |                          |                      |
| DBPG 1911B 125         | Sec. Research            | 2                    |
| DBPG 1912A 125         | Thesis                   | 2                    |
| DBPG 5003              | Orthodontic Clinic III   | 2                    |
| <b>TOTA</b>            |                          | <b>6</b>             |

**Research/Thesis**

Candidates for the Master of Science in Dentistry Degree must complete an original research project, write the thesis and submit a publishable version of the research to the Department.

Candidates for the certificate in orthodontics must complete a research project and submit a publishable version of the research activity of the Department.

Semester schedules are published by the program director.

Satisfactory written and oral progress evaluations are completed quarterly by the Program Director after consultation with the appropriate faculty.

## Pediatric Dentistry

### Two -Year Program

The Advanced Education Program in Pediatric Dentistry is an academically intense 24 month Advanced Education Program accredited by the Commission on Dental Accreditation of the American Dental Association and leads to the award of a Specialty Certificate in Pediatric Dentistry and an optional Master of Science in Dentistry degree.

## CURRICULUM

### FIRST YEAR CURRICULUM

| Course No.              | Descriptive Title  | Semester Hrs.  |
|-------------------------|--|----------------|
| <i>Summer Session</i>   |  |                |
| DBPG 1001               | Conscious Sedation I   | 1              |
| DBPG 6001A              | Topics in Pediatric Dentistry                                  | 2              |
| DBPG 6005A              | Pediatric Clinic I   | 1              |
| DBPG 1920               | Applied Sciences II  | 2              |
| HI 5352W                | Statistical Methods in Health Informatics                      | 3              |
| <i>Fall Semester:</i>   |  |                |
| DBPG 1115               | Advanced Basic Sciences I                                      | 3              |
| DBPG 1612               | Graduate Oral Pathology  | 2              |
| DBPG 1002               | Conscious Sedation II  | 1              |
| DBPG 6001B              | Topics in Pediatric Dentistry I                                | 2              |
| DBPG 6005B              | Pediatric Clinic I   | 1              |
| DBPG 6007A              | Current & Classical Literature Review in Pediatric Dentistry I | 1              |
| <i>Spring Semester:</i> |  |                |
| DBPG 6016               | Pediatric Seminar in Craniofacial Development I                | 2              |
| DBPG 1008               | Grad Oral Radiology  | 1              |
| DBPG 6001C              | Topics in Pediatric Dentistry I                                | 2              |
| DBPG 6005C              | Pediatric Clinic I   | 3              |
| DBPG 6007B              | Current & Classical Literature Review in Pediatric Dentistry I | 1              |
|                         |  | <b>TOTA 28</b> |

### SECOND YEAR CURRICULUM

Course No. Descriptive Title Semester Hrs.

|                         |   |                 |
|-------------------------|---|-----------------|
| <i>Summer Session:</i>  |   |                 |
| DBPG 6001D              | Topics in Pediatric Dentistry II                                | 2               |
| DBPG 6006A              | Pediatric Clinic II   | 3               |
| DBPG 6007C              | Current & Classical Literature Review in Pediatric Dentistry II | 1               |
| <i>Fall Semester:</i>   |   |                 |
|                         | Sec.  |                 |
| DBPG 6017               | Pediatric Seminar in Craniofacial Development II                | 2               |
| DBPG 6001E              | Topics in Pediatric Dentistry II                                | 2               |
| DBPG 6006B              | Pediatric Clinic II   | 2               |
| DBPG 6007D              | Current & Classical Literature Review in Pediatric Dentistry II | 1               |
| **DBPG 1911A 130        | Research  | 2               |
| <i>Spring Semester:</i> |   |                 |
|                         | Sec.  |                 |
| DBPG 6001F              | Topics in Pediatric Dentistry II                                | 2               |
| DBPG 6006C              | Pediatric Clinic II   | 3               |
| DBPG 6007E              | Current & Classical Literature Review in Pediatric Dentistry II | 1               |
| **DBPG 1911B 130        | Research  | 2               |
| **DBPG 1912A 130        | Thesis  | 2               |
|                         |   | <b>TOTAL 25</b> |

Annual schedules are published by the Program Director to include clinical rotations.

Written progress evaluations are completed each semester by the Program Director in consultation with the graduate faculty.

\*\* MASTER OF SCIENCE IN DENTISTRY DEGREE ONLY

## Periodontics

### Three -Year Program

The Advanced Education (graduate) Program in requires satisfactory completion of the following for award of the Master of Science in Dentistry degree and specialty certificate.

#### FIRST YEAR CURRICULUM

| Course No.            | Descriptive Title                      | Semester Hrs. |
|-----------------------|--|---------------|
| <i>Summer Session</i> |  |               |
| DBPG 1101             | Anatomy-Head and Neck                  | 3             |
| DBPG 1001             | Conscious Sedation I                   | 1             |
| DBPG 7001A            | Periodontics Clinic I                  | 1             |
| HI 5352W              | Statistical Methods                    | 3             |
|                       | Periodontal Therapy I                  |               |
|                       | Introduction to Intra-Oral Photography |               |
|                       | Physical Diagnosis at VA Hospital      |               |
| <i>Fall Semester:</i> |  |               |
| DBPG 1612             | Graduate Oral Pathology                | 2             |
| DBPG 1115             | Advanced Basic Sciences I              | 3             |
| DBPG 1002             | Conscious Sedation II                  | 1             |

**The School of Dentistry**

|            |   |   |
|------------|---|---|
| DBPG 7001B | Periodontics Clinic I                           | 3 |
| DBPG 7009A | Topical Seminars in Periodontics                | 2 |
|            | Physical Diagnosis at VA-continues              |   |
|            | Current Literature                              |   |
|            | Clinical Conference                             |   |
|            | Bering Clinic                                   |   |
|            | Graduate Introduction to Implant Prosthodontics |   |
|            | Ortho-Perio Conference                          |   |

*Spring Semester:*

|            |                                  |   |
|------------|----------------------------------|---|
| DBPG 1116  | Advanced Basic Sciences II       | 4 |
| DBPG 7001C | Periodontics Clinic I            | 3 |
| DBPG 7008  | Dental Implant Lecture Series    | 2 |
| DBPG 7009B | Topical Seminars in Periodontics | 2 |
| DBPG 8006A | Perio/Pros Conference            | 1 |

**TOTAL 31**

**SECOND YEAR CURRICULUM**

| <b>Course No.</b>       | <b>Descriptive Title</b>  | <b>Semester Hrs.</b> |
|-------------------------|---|----------------------|
| <i>Summer Session:</i>  |   |                      |
|                         | Sec.  |                      |
| DBPG 1911A 120          | Research  | 2                    |
| DBPG 7002A              | Periodontics Clinic II  | 4                    |
|                         | LBJ Anesthesia Rotation   |                      |
| <i>Fall Semester:</i>   |   |                      |
| DBPG 1106               | Cell/Development Biology  | 1                    |
| DBPG 1110               | Oral Biology: Development, Structure and Function of Oral Tissues | 1                    |
| DBPG 7002B              | Periodontics Clinic II  | 5                    |
| DBPG 7009C              | Topical Seminars in Periodontics                                  | 2                    |
|                         | Current Literature  |                      |
|                         | Clinical Conference   |                      |
|                         | Bering Clinic   |                      |
|                         | Ortho-Perio Conference  |                      |
|                         | Implant Seminar   |                      |
| <i>Spring Semester:</i> |   |                      |
|                         | Sec.  |                      |
| DBPG1911B 120           | Research  | 1                    |
| DBPG 7002C              | Periodontics Clinic II  | 5                    |
| DBPG 7009D              | Topical Seminars in Periodontics                                  | 2                    |
| DBPG 8006B              | Perio/Pros Conference   | 1                    |
|                         | Ortho-Perio Conference  |                      |
|                         | Current Literature  |                      |
|                         | Clinical Conference   |                      |
|                         | Bering Clinic   |                      |

**TOTAL 24**

**THIRD YEAR CURRICULUM**

| <b>Course No.</b>      | <b>Descriptive Title</b>         | <b>Semester Hrs.</b> |
|------------------------|----------------------------------|----------------------|
| <i>Summer Session:</i> |                                  |                      |
|                        | Sec.                             |                      |
| DBPG 1911C 120         | Research                         | 1                    |
| DBPG 1920              | Applied Sciences                 | 2                    |
| DBPG 7003A             | Periodontics Clinic III          | 3                    |
| <i>Fall Semester:</i>  |                                  |                      |
|                        | Sec.                             |                      |
| DBPG 1911D 120         | Research                         | 1                    |
| DBPG 1007              | Practice Management              | 1                    |
| DBPG 7003B             | Periodontics Clinic III          | 5                    |
| DBPG 7009E             | Topical Seminars in Periodontics | 2                    |
|                        | Current Literature               |                      |
|                        | Clinical Conference              |                      |
|                        | Bering Clinic                    |                      |
|                        | Ortho-Perio Conference           |                      |
| <i>Spring:</i>         |                                  |                      |
|                        | Sec.                             |                      |
| DBPG 1911E 120         | Research                         | 1                    |
| DBPG 1912A 120         | Thesis                           | 2                    |
| DBPG 7003C             | Periodontics Clinic III          | 5                    |
| DBPG 8006C             | Perio/Pros Conference            | 1                    |
|                        | Current Literature               |                      |
|                        | Clinical Conference              |                      |
|                        | Bering Clinic                    |                      |
|                        |                                  | <b>TOTAL 24</b>      |

Practice Teaching

Annual/Semester schedules are published by the Program Director.

Written and oral progress evaluations are performed at the end of each semester by the Program Director.

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**Prosthodontics**
**Three -Year Program**

The Advanced Education Program in Prosthodontics is an academically intense three-year Advanced Education Program accredited by the Commission on Dental Accreditation of the American Dental Association and leads to the award of a Specialty Certificate in Prosthodontics and a Master of Science Degree.

**FIRST YEAR CURRICULUM**

| <b>Course No.</b>     | <b>Descriptive Title</b>  | <b>Semester Hrs.</b> |
|-----------------------|---------------------------|----------------------|
| <i>Summer Session</i> |                           |                      |
| DBPG 1101             | Anatomy-Head and Neck     | 3                    |
| DBPG 8010             | Graduate Prosthodontics I | 2                    |
| HI 5352W              | Statistical Methods       | 3                    |



**The School of Dentistry**

*Fall Semester:*

|            |  |   |
|------------|--|---|
| DBPG 1115  | Advanced Basic Sciences I                                      | 3 |
| DBPG 1612  | Graduate Oral Pathology  | 2 |
| DBPG 8001A | Graduate Prosthodontic Clinic I                                | 4 |
|            | Classical Prosthodontic Literature Review I                    |   |
|            | Gnathologic Instrumentation Study Club I                       |   |
|            | Graduate Prosthodontic Resident Case Presentation Conference I |   |
|            | Graduate Implantology Seminar                                  |   |
|            | Graduate Prosthodontic Treatment Planning Conference I         |   |
|            | Current Prosthodontic Literature Review I                      |   |

*Spring Semester\*:*

|            |  |   |
|------------|--|---|
| DBPG 1116  | Advanced Basic Sciences II                                     | 4 |
| DBPG 8001B | Graduate Prosthodontic Clinic I                                | 4 |
| DBPG 8006A | Periodontic/Prosthodontic Conference I                         | 1 |
|            | Classical Prosthodontic Literature Review I                    |   |
|            | Current Prosthodontic Literature Review I                      |   |
|            | Gnathologic Instrumentation Study Club I                       |   |
|            | Graduate Prosthodontic Resident Case Presentation Conference I |   |
|            | Graduate Prosthodontic Treatment Planning Conference I         |   |
|            | Student Teaching   |   |

**TOTAL 26**

\*FIRST YEAR GRADUATE PROSTHODONTIC STUDENTS COMPLETE A STUDENT TEACHING ROTATION DURING THE SPRING SEMESTER

**SECOND YEAR CURRICULUM**

| <b>Course No.</b>      | <b>Descriptive Title</b>  | <b>Semester Hrs.</b> |
|------------------------|---|----------------------|
| <i>Summer Session:</i> |   |                      |
| DBPG 1920              | Graduate Applied Sciences II                                    | 2                    |
| DBPG 8002A             | Prosthodontic Clinic II   | 3                    |
| DBPG 1001              | Conscious Sedation I  | 1                    |
| <i>Fall Semester*:</i> |   |                      |
|                        | Sec.  |                      |
| DBPG 1110/1106         | Oral Development/Oral Biology                                   | 2                    |
| DBPG 1911A 110         | Research  | 2                    |
| DBPG 8002B             | Graduate Prosthodontic Clinic II                                | 4                    |
| DBPG 1002              | Conscious Sedation II   | 1                    |
|                        | Gnathologic Instrumentation Study Club II                       |                      |
|                        | Current Prosthodontic Literature Review II                      |                      |
|                        | Graduate Prosthodontic Resident Case Presentation Conference II |                      |
|                        | Graduate Prosthodontic Treatment Planning Conference II         |                      |
|                        | Classical Prosthodontic Literature Review II                    |                      |
|                        | Student Teaching  |                      |

|                          |   |           |
|--------------------------|---|-----------|
| <i>Spring Semester*:</i> | Sec.  |           |
| DBPG 1911B 110           | Research  | 2         |
| DBPG 8002C               | Graduate Prosthodontic Clinic II                                | 4         |
| DBPG 8006B               | Periodontic/Prosthodontic Conference II                         | 1         |
| DBGP 7008                | Dental Implant Lecture Series                                   | 2         |
|                          | Classical Prosthodontic Literature Review II                    |           |
|                          | Current Prosthodontic Literature Review II                      |           |
|                          | Gnathologic Instrumentation Study Club II                       |           |
|                          | Graduate Prosthodontic Resident Case Presentation Conference II |           |
|                          | Graduate Prosthodontic Treatment Planning Conference II         |           |
|                          | Student Teaching  |           |
|                          | <b>TOTALS</b>   | <b>24</b> |

\*SECOND YEAR GRADUATE PROSTHDONTIC STUDENTS COMPLETE ROTATIONS IN STUDENT TEACHING

**THIRD YEAR CURRICULUM**

| <b>Course No.</b>       | <b>Descriptive Title</b>   | <b>Semester Hrs.</b> |
|-------------------------|--|----------------------|
| <i>Summer Session*:</i> | Sec.   |                      |
| DBPG 1911C 110          | Research   | 2                    |
| DBPG 8005A              | Prosthodontic Clinic III   | 4                    |
| <i>Fall Semester*:</i>  | Sec.   |                      |
| DBPG 1911D 110          | Research   | 2                    |
| DBPG 8005B              | Prosthodontic Clinic III   | 7                    |
|                         | Current Prosthodontic Literature Review III                      |                      |
|                         | Classical Prosthodontic Literature Review III                    |                      |
|                         | Graduate Prosthodontic Resident Case Presentation Conference III |                      |
|                         | Graduate Prosthodontic Treatment Planning Conference III         |                      |
|                         | Gnathologic Instrumentation Study Club III                       |                      |
|                         | Student Teaching   |                      |
| <i>Spring*</i>          | Sec.   |                      |
| DBPG 1912               | A 110 Thesis   | 2                    |
| DBPG 8005C              | Prosthodontic Clinic III   | 6                    |
| DBPG 8006C              | Periodontic/Prosthodontic Conference III                         | 1                    |
|                         | Classical Prosthodontic Literature Review III                    |                      |
|                         | Current Prosthodontic Literature Review III                      |                      |
|                         | Graduate Prosthodontic Resident Case Presentation Conference III |                      |
|                         | Graduate Prosthodontic Treatment Planning Conference III         |                      |
|                         | Graduate Prosthodontic Senior Resident Lecture                   |                      |
|                         | Student Teaching   |                      |
|                         | <b>TOTAL</b>   | <b>24</b>            |

\*THIRD YEAR GRADUATE PROSTHDONTIC STUDENTS COMPLETE ROTATIONS AT MD ANDERSON CANCER CENTER AND STUDENT TEACHING.

2 Student Teaching (UTSD)

- 3 Quarterly schedules are published by the program director.
- 4 Written and oral progress evaluations are made by the Program Director.

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## GRADUATION REQUIREMENTS

**DEGREE:** The minimum requirement for the Master of Science in Dentistry Degree is 30 semester hours, 24 of which must be in basic and clinical science courses, with a minimum grade point average of B (3.0). In addition, four hours of research (six for Periodontics) and two hours for acceptable thesis, the latter awarded in the terminal semester, as required. At departmental discretion, additional assignments may be made. In the required M.S.D. programs, participants are expected to complete degree requirements within the stated time frame of the program, it is anticipated participants will complete the degree requirements within a twelve month extension of the normal program length. Continuous enrollment is required, and all requirements must be completed within a six-year period from the date of matriculation.

**CERTIFICATE:** The minimum requirement is completion of basic and clinical science courses with a grade point average of B (3.0) and departmental clinical conferences and seminars required by the specialty department. Demonstration of satisfactory clinical proficiency, satisfactory completion of additional departmental assignments and, at the discretion of the department, completion of an orientation in research methodology and submission of a paper suitable for publication are also required.

**DEGREE/CERTIFICATE:** Combination of requirements outlined above.

In addition to basic and clinical science courses and seminars required by the Advanced Education Programs, all advanced education students are required to be trained in human subjects and research ethics. The training requires attendance at the research methodology seminars (literature review, research protocol, human subjects, and research ethics) offered during the summer term and completing the certification offered on the following web site: [www.training.arc.ucla.edu](http://www.training.arc.ucla.edu).

## DENTAL HYGIENE PROGRAM

A dental hygienist is a preventive oral health professional licensed in dental hygiene that provides educational, clinical, and therapeutic services supporting total health through the promotion of optimal oral health. A dental hygienist is that member of the dental team who is responsible for providing treatment that helps prevent oral diseases of the teeth and the supporting tissues. This professional is especially knowledgeable about the preventive aspects of dental diseases. Functions routinely performed by a dental hygienist include monitoring of the patient's health history, examination of the teeth and oral structures, removal of hard and soft deposits from the teeth, placement of sealants, application of fluoride, patient education regarding oral health, diet counseling, exposure of dental x-rays, and implementation of community dental health programs.

The education of the dental hygienist emphasizes the basic and dental sciences, which include microbiology, chemistry, anatomy, physiology, oral histology and embryology, oral pathology, and nutrition. Other components of the curriculum are designed to develop the clinical skills of the dental hygienist so that preventive dental health services can be provided to the public. Dental hygienists work under the supervision of a dentist, in such practice settings as private dental offices and dental clinics, health departments, hospitals, nursing homes, school districts,

correctional facilities, and colleges and universities. Research and sales opportunities also exist for a dental hygienist.

The goal of the Dental Hygiene Program is to provide the student with the opportunity to develop clinical competency and proficiency in preventive and therapeutic oral health skills, and to develop the personal characteristics of a professional attitude, ethical behavior, and dedication to community service and continuing education. The program provides the student with the opportunity to develop these entry-level dental hygiene skills through completion of either the two-year certificate or baccalaureate degree curriculum.

The first year of the curriculum consists mainly of dental sciences and clinical technique courses. During the second year, emphasis is placed on the application of knowledge in a clinical setting and the provision of a wide variety of clinical experiences both within and outside of the Texas Medical Center. The dental hygienist is eligible for licensure after graduation and upon successful completion of both a written National Board Dental Hygiene Examination and a clinical Regional Board examination.

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## DENTAL HYGIENE LICENSURE ELIGIBILITY

According to state law and the Texas Board of Dental Examiners, a person applying for initial licensure to practice Dental Hygiene in the State of Texas may be ineligible for licensure due to a previous conviction or deferred adjudication for a felony or misdemeanor offense.

For more information contact the Texas State Board of Dental Examiners by email: [information@tsbde.texas.gov](mailto:information@tsbde.texas.gov) or by phone: (512) 463-6400.

The Dental Hygiene Program offers a fully accredited two-year program, which leads to either a certificate or Bachelor of Science Degree in dental hygiene. Approximately 40 students are admitted to the programs each fall semester. The Dental Hygiene Admissions Committee considers the applications and makes recommendations to the Dean for admission into the program.

In addition to the entry-level program, the Dental Hygiene Program also offers a degree completion program for graduates of the School of Dentistry certificate program. After completing the required prerequisites, students enrolled in the completion Program have an opportunity to successfully complete the distance-education curriculum and receive a Bachelor of Science degree.

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## APPLICATION PROCEDURE

Applications are available on line:

[https://apply.uth.tmc.edu/psp/applyuth/APPLYUTH/ENTP/h/?tab=UT\\_EP\\_NVT\\_APPLYUTH](https://apply.uth.tmc.edu/psp/applyuth/APPLYUTH/ENTP/h/?tab=UT_EP_NVT_APPLYUTH)

The application and all supporting documents must be submitted to the Registrar by September 1 of the year preceding expected enrollment. Application must be made on the current year's application form. The applicant pool will be considered as a whole in admissions consideration. If the applicant was enrolled at an accredited college or university in the Fall Term of the application submission year, and or Spring term of the entering year, the applicant must submit transcript updates to the Registrar's Office as soon as the grades are available.

**CRITERIA FOR ADMISSIONS**

Dental Hygiene applicants will be considered for admission upon satisfactory completion of the following requirements:

- Properly completed application along with required fees and documentation
- Must have graduated from an accredited high school or equivalent
- Completion of the following courses with a minimum grade of "C"

**CERTIFICATE PROGRAM**

English Composition I (3 SH)  
Fundamentals of Speech (3 SH)  
General Psychology (3 SH)  
General Sociology (3 SH)  
Human Anatomy & Physiology I, including lab (4 SH)  
Human Anatomy & Physiology II, including lab (4 SH)  
Chemistry, including lab (4 SH)  
Microbiology, including lab (4 SH)  
Nutrition (3SH),  
Computer Science, including lab (3 SH)

**BACCALAUREATE DEGREE PROGRAM**

English Composition I (3 SH)  
English Composition II (3 SH)  
Fundamentals of Speech (3 SH)  
General Psychology (3 SH)  
General Sociology (3 SH)  
College Math or higher (3SH)  
Human Anatomy & Physiology I, including lab (4 SH)  
Human Anatomy & Physiology II, including lab (4 SH)  
Chemistry, including lab (4 SH)  
Microbiology, including lab (4 SH)  
Computer Science, including lab (3 SH)  
American History (6 SH)  
(3 hrs each in Texas and American History or 6 hrs in American History)  
American Government (6 SH)  
(must include a study of the Texas Constitution)  
Humanities (3 SH)  
Visual & Performing Arts (3 SH)  
Electives (4 SH)  
Nutrition (3 SH),

- 4 Earn a minimum cumulative GPA of 2.5 (recommended 3.0 or above) or above in the listed required courses
- 5 Test of English as a Foreign Language (TOEFL) examination if high school attended was not in the U.S.
- 6 Submission of required letters of recommendation

Residents of the State of Texas, applicants to the Bachelor of Science Degree program, and applicants with course-work in the last five years are given preference in the selection process. Personal interviews are required and scheduled based upon committee evaluation.

Student applying to the Dental Hygiene Program are required to take the Health Science Reasoning Test (HSRT) as part of a holistic application process. The HSRT is a computer-based test specifically designed to measure critical thinking skills. The test consists of critical thinking questions in health sciences contexts, although no specialized technical knowledge is required. Call 713-486-4084 for more information and to schedule the test.

Relative competitiveness of the applicant pool is determined by the above requirements. Additional factors considered include:

- nature of academic program
- demonstrated strength in science prerequisites
- demonstrated leadership
- public/community activities
- evidence of public/humanitarian service
- extracurricular activities
- communication skills
- employment history
- employment experience in the dental profession

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## Admissions Policy

The School of Dentistry admissions policy includes a wide variety of criteria, including qualitative and quantitative information to evaluate applicants on an individual basis. The admissions processes for the undergraduate Dental Hygiene certificate, Baccalaureate (B.S.) degree, and Degree-completion programs utilize a mix of cognitive and non-cognitive consideration factors that are similar to the Dental Education Program. Dental Admissions Committees give individual consideration to applicants. The Admissions Committee considers the application in its entirety and gives cognizance to the following factors:

- Intellectual capacity, based on consideration of undergraduate and graduate record; academic progression/regression; standardized test scores; academic awards and honors; a history of research accomplishments; degree of difficulty of undergraduate academic program; pre-professional evaluations; personal interview; any other data submitted;
- Interpersonal and communication skills, based on consideration of community or charitable service, extracurricular activities and organizations; leadership positions; employment history; recognition for humanitarian service; awareness and direct knowledge of cultural elements as they may impact on healthcare; expression of future goals in the written essay; statements made on the application or in the personal interview; any other relevant considerations the student's pre-professional advisors may present;
- Knowledge of the profession, based on consideration of an understanding of factors that have an impact on access to care, as well as the social and financial implications; consideration of the implications of lifelong learning; and demonstrated significant effort in seeking knowledge

regarding the practice of dentistry or participation in oral health promotion activities;

- Potential for service to the State of Texas, based on consideration of the applicant's goals for the future; size and location of hometown and whether the applicant resides in a Health Professions Shortage Area; potential for future provision of health services to underserved areas or in needed specialties.
- Motivation, based on consideration of success in overcoming adverse personal, economic, or educational conditions; employment history occurring simultaneously with undergraduate academic preparation; participation in activities requiring time management skills; experience in health-related activities; heavier than normal academic course loads ( $\geq 18$  hrs/semester);
- Integrity, based on consideration of professional evaluations; any academic integrity violation; conduct of a crime; any other relevant background relating either positively or negatively to the applicant's standard of integrity; and
- Essential skills, based on consideration of psychomotor skills (fine motor dexterity and coordination) and observational skills (vision, hearing, and tactile abilities) sufficient to master the clinical procedures essential to the treatment of oral disease.

The individual evaluations by the Committee members are tabulated and a composite evaluation prepared for presentation to the entire Committee. The selection of the entering class for recommendation to the Dean is based upon the total evaluation conducted by the Dental Hygiene Admissions and Curriculum Committee incorporating all of the criteria listed above.

TSI - Texas Success Initiative [Formerly TASP] The Texas Success Initiative (TSI), formerly TASP, is a state mandated program that is designed to improve student success and outcomes in college. Any student seeking to enroll in an undergraduate program at The University of Texas Health Science Center at Houston must provide proof of successful completion of the Texas Success Initiative prior to enrollment. For more information on specific testing requirements, testing exemptions, and college readiness, go to <http://www.theccb.state.tx.us/>

## EXPENSES

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### Tuition

Beginning 2014-2015, resident tuition is \$ 136 per semester credit hour. Non-resident tuition will be \$498 per semester credit hour. Tuition is subject to change according to the actions of the Texas State Legislature or the Board of Regents and changes become effective when enacted.

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### FEES

**Late Registration Fee:** A \$25 fee will be required of those students not registering or paying on the date designated in the school calendar.

**Installment Use Fee:** \$20per term

**Late Payment Fee:** \$25 for each late installment (other than the initial payment)

**Laboratory Fee:** A laboratory fee of \$20 per year is required

**Graduation Fee:** A graduation fee of \$75, payable at registration for the final academic term, is required for dental hygiene students. Students who withdraw before graduation are entitled to a refund of this fee, if a certificate has not been ordered. This fee does not include regalia rental.

**Technical Resource Fee:** A fee 1494 annually.

**Supplemental Course Work:** Fees for work done for the removal of failures, probation or incompletes are at the semester credit hour rate.

**Instrument Sterilization Fee:** \$900 per academic year.

**Library Resource Fee:** A fee of \$150 annually.

**Professional Liability Insurance Fee:** This fee varies from year to year (currently it is \$14.50).

**Health Insurance:** \$1,859 annually. Health insurance is required of all Health Science Center students. If you have your own health insurance policy, you may provide proof of comparable insurance coverage to Auxiliary Enterprises no later than the 12th class day to have this charge waived.

**Information Technology Access Fee:** A fee of \$33 per semester.

**Student Record Fee:** \$5 per semester.

**Student Services Fee:** The student services fee, required of all students, is assessed per semester credit hour with a maximum charge of \$197.95 per Fall or Spring semester or \$116.10 per summer session. If a student enrolls in more than one Summer session, the maximum fee will be \$116.10. The fee provides for student activities, outpatient care by the Nursing Services, recreational facilities, counseling, and shuttle bus service. Optional family participation is available.

### **Instruments, Supplies and Books**

Students are required to furnish the instruments, supplies, books, and equipment necessary in the various courses.

Text and supplemental materials information, including the maximum extent practicable the International Standard Book Number (ISBN) and retail price information, is available on the DH Curriculum Website. Visit the Website at: <http://db.uth.tmc.edu/education/dental-hygiene/curriculum/book-list>

A student is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may be available from an independent retailer, including an online retailer, at a lower price than the price charged for the textbook by a university-affiliated bookstore.

Approximate costs, depending upon fluctuations in market price and changing needs in the curriculum, are as follows:



**Instruments  
And SuppliesBooks**

|              | (Purchased) | (Purchased) |
|--------------|-------------|-------------|
| First Year:  | \$3500      | \$1500      |
| Second Year: | \$1300      | \$825       |

The Texas Legislature does not set the specific amount for any particular student fee. The student fees assessed above are authorized by state statute; however, specific fee amounts and the determination to increase fees are made by The University of Texas System Board of Regents with participation of the Student Fee Advisory Committee.

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**FINANCIAL AID**

The Dental Hygiene Program of The University of Texas Health Science Center at Houston has limited loan and scholarship funds. These funds may be available based on proven financial need and/or academic excellence. A student subject to selective service registration will be required to file a statement that the student has registered or is exempt from selective service registration in order to be eligible to receive financial assistance funded by State revenue. Applications may be obtained from:

Office of Student Financial Services  
The University of Texas  
Health Science Center at Houston  
P. O. Box 20036  
Houston, TX 77225

Web site  
<http://www.uth.edu/sfs/>  
(713) 500-3860

The office is located at 7000 Fannin in the University Center Tower, Room 2220. Funds are listed below:

American Dental Hygienists' Association Scholarship Fund  
Dental Hygiene Honor Society Scholarship  
The Houston District Dental Hygienists' Society Loan Fund  
Houston Northwest Medical Center Hospital Auxiliary Emergency Loan Fund  
Pell Grant  
Perkins Loan Program  
PLUS/Supplemental Loan for Students  
Stafford Loan Program (formerly Guaranteed Student Loan Program)  
State Scholarship Fund  
Supplement Education Opportunity Grant  
Texas Dental Hygienists' Scholarship Fund  
Texas Public Education Grant  
Texas Public Education - State Student Incentive Grant

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## DENTAL HYGIENE SCHOLARSHIPS

The Shirah May Hall Memorial Scholarship in Dental Hygiene support scholarships to second year dental hygiene students who have demonstrated financial need, are in good standing and who have exhibited the characteristics of compassion, focus and motivation, teamwork, leadership and advocacy of the profession of dental hygiene.

The Dental Hygiene Class of 2003 Endowed Scholarship is awarded based on financial need.

There are several local organizations/companies that provide scholarship funding for dental hygiene students. Upon request, the school of dental hygiene provides to the awarding organization the critical data required for selection, and the selections are made by the selection committee of the sponsoring organization. Primary factors for the award are academic performance, community service, and promise for professional growth and financial need.

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## ACADEMIC STANDARDS

### Attendance

Attendance at all scheduled classes, laboratories, and clinic sessions is required. The minimum attendance for which credit will be given or which will admit a student to the final examination is 90 percent of the time scheduled for instruction in that course. The margin of 10 percent absence is provided to accommodate only unavoidable absences due to illness, delayed registration, or approved causes, and it is not contemplated that this concession shall apply to other than exceptional cases.

### Punctuality

Students entering a lecture or laboratory after the roll has been taken are recorded as absent for the entire period. Absence from any portion of a period is considered as absence from the full period.

### Grading System

Passing: Grades for didactic and clinic courses are letter grades. Letters A, B, C, and D will be considered passing except in designated clinical courses where a minimum grade of C will be required. However, an overall average of C (2.00 GPA) must be maintained.

### GRADING SYSTEM FOR CLINIC AND

### GRADING SYSTEM FOR NON-CLINIC CLINIC RELATED CLASSES:

#### RELATED CLASSES:

93 – 100 = A    93 – 100 = A

84 – 92 = B    84 – 92 = B

75 – 83 = C    75 – 83 = C

<75 = F        70 – 74 = D

<70 = F

Failing: A grade of 69 or below or “F” designates failing work in non-clinical courses and a grade of 74 or below designates unacceptable work in clinical courses. Remediation designed to address the deficiencies of the student will be provided throughout the semester as deemed appropriate by the instructors.

Incomplete: A grade of "I" may be assigned to a student who for some reason has not completed all required work but has shown satisfactory progress in completing course requirements. A grade of "I" will not be averaged into the GPA at the end of the semester. Grades of "I" not removed within the designated time frame determined by the instructor and the Evaluation and Promotion Committee not to exceed one semester will be recorded as a grade of "F". A grade of "I" may be only given upon approval of the Director of the Dental Hygiene Program.

Warning: Mid-semester evaluation will be conducted for the Fall and Spring semesters. Students earning a D or F in didactic, laboratory or clinical courses will receive a letter of warning for unsatisfactory progress in the designated areas of study. Students will subsequently be expected to show increased activity in those areas of deficiency by the end of that semester to avoid being placed on probation or considered for dismissal. In addition, the student is expected to make satisfactory progress in the other courses in the curriculum.

Probation: Students having a semester GPA of 1.7 or cumulative GPA below 2.0 will be placed on probation. Students who have been placed on probation must show acceptable improvement and satisfy the conditions outlined in the probation within the designated time period or they may be considered for dismissal. Students on probation become ineligible for financial aid, and are ineligible to hold Class or organization offices.

Dismissal: Students will be considered for academic dismissal if they have a cumulative GPA below 2.0 at the end of any semester. Students will be considered for academic action, including dismissal, if they have one or more failing course grades in a given semester. If a student demonstrates the inability to progress either didactically, professionally or technically, the student will be considered for dismissal from the Dental Hygiene Program by the Student Evaluation and Promotion Committee – Dental Hygiene Subcommittee. The decision will be made by the committee members at a meeting held at the end of the semester.

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## **APPEAL PROCESS**

A School of Dentistry Dental Hygiene student may appeal any academic corrective action and/or recommendation of dismissal by an Evaluation and Promotion ("E & P") subcommittee to the Associate Dean for Academic Affairs, in writing, within three calendar days after receipt of notice of the academic action. The student must provide the Associate Dean for Academic Affairs a "complete" appeal, which includes at least a written statement clearly explaining all rationale for the appeal and any additional documentation the student possesses that the student believes supports the student's rationale for the appeal.

The Associate Dean for Academic Affairs will refer each complete appeal to an Ad Hoc Appeal Committee ("Appeal Committee"). The Office of the Associate Dean for Academic Affairs will assist by scheduling the meetings of the Appeal Committee.

- The Chair of the Appeal Committee will be selected and appointed by the School of Dentistry Committee on Committees and approved by the Faculty Senate (an alternate Chair will also be selected from among the faculty of the School of Dentistry). The Chair will preside over the Appeal Committee. The length of the Chair's term will be three years. The alternate will preside over the Appeal Committee in the event that the Chair is unable to attend.
- The Appeal Committee will be made up of the chairs of each of the E & P subcommittees not involved in the academic action being appealed. Vice chairs of the E & P subcommittees may serve in this role in the event a subcommittee Chair is unable to participate. In addition,

an additional member of the Appeal Committee will be selected by the Associate Dean of Academic Affairs from among School of Dentistry faculty. This member of the Appeal Committee cannot be the student's faculty advisor or a member of the E & P subcommittee making the decision being appealed.

- Each of the Appeal Committee members will have one vote. In the case of a tie vote, the Chair of the Appeal Committee will vote to break the tie.

The Appeal Committee will review the student's written statement and documentation, if any, submitted by the student, meet with the student, the student's faculty advisor, the Chair of the E & P subcommittee taking the academic action being appealed, and other individuals at the discretion of the Chair of the Appeal Committee. The Chair of the Appeal Committee shall submit a final recommendation to the Dean within seven calendar days of the final Appeal Committee meeting. The Dean shall consider the recommendation of the Appeal Committee, may review the materials submitted to the Appeal Committee, and may interview other individuals. At his or her discretion, the Dean may meet with the student. The student will be notified of the Dean's decision within 10 calendar days after the Dean's receipt of the Appeal Committee recommendation. The Dean's decision regarding the academic action of the E & P subcommittee is final.

The student, upon written request to and approval in writing from the Associate Dean for Academic Affairs, may continue academic studies while the appeal of an academic action is under review and until the student receives notification of a final decision by the Dean.

If after the appeals process is completed an academic action of dismissal is upheld, a dismissed student must immediately discontinue participating in all School of Dentistry educational activities. All personal belongings must be removed from the School of Dentistry facilities immediately upon following receipt of the final decision of the Dean.

The School of Dentistry Student Evaluation and Promotion Committee consists of four subcommittees: the First Year Dental Student Evaluation and Promotion Subcommittee, the Second Year Dental Student Evaluation and Promotion Subcommittee, the Third/Fourth Year Dental Student Evaluation and Promotion Subcommittee, and the Dental Hygiene Student Evaluation and Promotion Subcommittee. Each subcommittee is led by a Chair and a vice chair.

Promotion and Graduation: In order to be considered for promotion and graduation, a Dental Hygiene student must have satisfactorily removed all grades of F through remediation/repeat and in addition, must have a cumulative grade point average of 2.0 or higher.

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## Examinations

Numerous examinations are given during each course. These examinations serve as a method of instruction and provide both student and instructor the opportunity to evaluate the student's level of achievement.

The final grade in a course may include evaluation of the student in all aspects of the entire course (didactic, laboratory, professional behavior/ development, and clinical) and failure in any one aspect may result in a failing grade for the entire course.

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## CURRICULUM

Credit Hours: For each semester credit hour awarded a didactic course, there is one classroom hour per week. For each semester credit hour awarded for a laboratory or clinic course, there are normally three to four laboratory hours per week.

Note: Course descriptions are intended to represent skills and knowledge that should accompany successful completion of the course and should not be construed as a guarantee or warranty by UTHSCH of the required level of achievement by every student.

### FIRST YEAR

#### **Dental Hygiene Certificate/Dental Hygiene Bachelor of Science Courses**

##### *FALL SEMESTER*

#### **DHCT 2101/DHBS 3101 Pre-Clinical Technique**

Five credit hours (3 lec., 6 lab)

An introduction to the basic theories, principles, and procedures used in dental hygiene practice, with primary emphasis on the techniques of instrumentation used in performing diagnostic, preventive, and therapeutic services. The dental hygiene student will have an opportunity to practice these techniques on manikins and student partners in the clinic.

#### **DHCT 2103/DHBS 3103 Introduction to Dental Hygiene**

Three credit hours (3 lec., 1 lab)

A course designed to provide the student with the background knowledge to assess patient oral health needs, to select appropriate preventive strategies, and to present information and demonstration techniques for effective patient education.

#### **DHCT 2105/DHBS 3105 Dental Radiology I**

Two credit hours (2 lec., 1 lab)

An introduction to the production and emission of dental x-radiation, safety precautions, and the exposure processing and interpretation of dental radiographs.

#### **DHCT 2107/DHBS 3107 Head and Neck Anatomy**

Two credit hours (2 lec)

A study of the anatomic structures of the head and neck. Emphasis is placed on the muscles of mastication, salivary glands, and the vascular, lymphatic, and nerve supply to the head and neck as it relates to the clinical practice of the dental hygienist.

#### **DHCT 2108/DHBS 3108 Oral Histology and Embryology**

Two credit hours (2 lec.)

A study of the embryology and microscopic anatomy of human tissues with emphasis on the formation of the face, oral cavity, and dental structures. Clinical relevance will be stressed for applicability to pathology and periodontology.

**DHCT 2109/DHBS 3109 Dental Anatomy**

Three credit hours (2 lec., 2 lab)

The essentials of nomenclature, anatomical form, structure and function of the permanent teeth, with some study devoted to primary teeth, is presented. Laboratory practice includes identification of natural extracted teeth, the reproduction of tooth forms to emphasize morphology and functional relationships, and the adaptability of clinical instrument to root structures of varying topography.

*SPRING SEMESTER*

**DHCT 2201/DHBS 3201 Clinical Practice I**

Three credit hours (10 clinic)

Prerequisite: DHCT 2101 and DHBS 2105.

This introductory clinical course offers the student individual instruction and clinical practice in all phases of providing basic dental hygiene services.

**DHCT 2202/DHBS 3202 Clinical Seminar I**

Three credit hours (3 lec.)

A continuation of information designed to provide an opportunity to enhance performance of procedures in a clinical setting. Emphasis will be place on patient management, care of appliances, caries recognition, pulp testing, and desensitization. Periodontal nomenclature and clinical characteristics of periodontal tissues in health and disease will be introduced.

**DHCT 2205/DHBS 3205 Dental Radiology II**

One credit hours (1 lec., 1 lab)

An introduction to supplemental intra-oral techniques and basic extra-oral radiographic techniques including patient/film positioning and the resulting film. Diagnostic information and normal radiographic anatomy of these various views will be presented.

**DHCT 2206/DHBS 3206 General Oral Pathology**

Three credit hours (3 lec.)

An introduction to diseases affecting the oral region, including the principles of inflammation and healing, developmental disturbances, the pathology of dental caries, dental and oral abnormalities, bacterial, viral and mycotic diseases, oral injuries, and neoplasms. Premalignant lesions and their differences from common benign conditions are emphasized.

**DHCT 2209/DHBS 3209 Dental Emergencies**

Two credit hours (2 lec, 1 lab)

This course provides the student the opportunity to study dental office emergencies with emphasis on prevention, prompt recognition, and effective emergency care. Laboratory instruction will provide experience in monitoring vital signs, recognizing and handling emergency situations, and cardiopulmonary resuscitation (CPR).

**DHCT 2210/DHBS 3210 Introduction to Dental Hygiene Practice**

One credit hour (1 lec. 1 lab)

This course provides the dental hygiene student with opportunities to apply principles of plaque control, patient education, and disease prevention. In addition to lectures, learning activities will include problem-based learning and case presentations.

*SUMMER TERM*

**DHCT 2300/DHBS 3500 Clinical Seminar II**

One credit hour (2 lec.)

Root morphology, advanced root planning, and ultrasonic scaling, amalgam polishing, and sealants will be emphasized in this course, along with patient management techniques when performing advanced instrumentation skills

**DHCT 2301/DHBS 3501 Clinical Practice II**

Three credit hour (21 clinic)

Prerequisite: DHCT 2201/DHBS 3201

This course provides the opportunity for additional clinical treatment for patients and skills development.

**DHCT 2303/DHBS 3503**

Applied Nutrition (1 credit hour/1 lec.)

This course is a dental-related study of nutrition. Interrelationships of the diet and oral health will be addressed. A case-based approach will be utilized to demonstrate the crucial connection between systemic health, nutrition and oral health.

**DHCT 2304/DHBS 3504**

Special Needs Patients (2 credit hours/2 lec.) This course is an introduction to the assessment and management of patients with special needs, including patients whose medical, physical, psychological, or social conditions make it necessary to modify procedures in order to provide dental hygiene treatment for that individual.

**DHCT 2305/DHBS 3505 Periodontology I**

One credit hour (1 lec.)

This course reviews and expands the student's knowledge regarding the biology of the healthy periodontium. It also introduces students to current classification of periodontal diseases and fundamental knowledge of the epidemiology, etiology, microbiology, and immunology of periodontal diseases. Basic information is integrated with necessary clinical skills to evaluate currently recognized forms of periodontal disease, including the ability to recognize the less common forms of gingivitis and periodontitis, and systemic conditions, the forms of which may influence the initiation, progression, or treatment of periodontal disease.

**SECOND YEAR**

*FALL SEMESTER*

**DHCT 3301/DHBS 4301 Clinical Practice III**

Four credit hours (14 clinic)

Prerequisite: DHCT 2301/DHBS 3501.

This course is an introduction to advanced instrumentation procedures, including root planning and ultrasonic scaling, and the practice of basic and advanced techniques at chair-side. Rotations to other departments in the School of Dentistry and Texas Medical Center will be introduced. Patient management and professionalism are stressed in this stage of clinical development.

**DHCT 3302/DHBS 4302 Clinical Seminar III**

Two credit hours (2 lec.)

Root morphology, advanced root planning, and ultrasonic scaling, amalgam polishing, and sealants will be emphasized in this course, along with patient management techniques when performing advanced instrumentation skills.

**DHCT 3303/DHBS 4303 Community Dental Health**

Three credit hours (3 lec.)

This course is an introduction to the tools of epidemiology and biostatistics, and includes the critical analysis of scientific literature and the methods and materials necessary to teach dental health to individuals and groups. As community health promoters, the student will have an opportunity to address and attempt to resolve critical issues in the current delivery system.

**DHCT 3309/DHBS 4309 PeriodontologyII**

Two credit hours (2 lec.)

This course explores theoretical/clinical aspects of Periodontology with an emphasis on the dental hygiene process of care, non-surgical periodontal therapy, evaluation of treatment, and maintenance needs of the periodontal patient. The course will also expand the student's knowledge related to risk factors, systemic considerations and treatment modalities. Further, the student will continue to develop evidence base decision-making skills with development of virtual periodontal case study.

**DHCT 3307/DHBS 4307 Dental Materials**

Three credit hours (2 lec., 2 lab)

This course address characteristics, properties, manipulation, and evaluation of various materials utilized in dental procedures along with chair-side assisting principles and techniques. Emphasis is placed on the laboratory procedures performed and materials used by the dental hygienist.

**DHCT 3308/DHBS 4308 Pharmacology**

Two credit hours. (2 lec.)

This course is a study of the action use and effect of commonly used drugs on the human body. Emphasis is placed on the practical evaluation of drugs utilized by the dentist, and drugs being taken by dental patients and their effect on treatment.

*SPRING SEMESTER*

**DHCT 3401/DHBS 4401 Clinical Practice IV**

Four credit hours. (14 clinic)

Prerequisite: DHCT 3301/DHBS 4301.

These clinical sessions combine both basic and advanced dental hygiene skills with time management techniques essential for private practice. Root planning, sealant application, ultrasonic instrumentation, amalgam polishing, and nutritional counseling will be emphasized. Rotations to other departments will be continued.

**DHCT 3402/DHBS 4402 Clinical Seminar IV**

Two credit hours (2 lec.,)

This course will provide an opportunity for the student to clarify values and discuss treatment of special needs patients. The student will discuss professional ethics, laws governing the practice of dentistry and dental hygiene, malpractice, and liability.



**DHCT 3403/DHBS 4403 Community Dental Health Practice**

Two credit hours (1 lec, 3 lab/field experiences)

Prerequisite: DH 3303.

This course is continuation of Community Dental Health, with an opportunity for the student to perfect skills in communication and motivational techniques, principles of learning-teaching, and media preparation and presentation through didactic and extra-mural experiences.

**DHCT 3406/DHBS 4406 Applied Oral Pathology**

One credit hour (1 lec)

Cases of unknown oral pathology are presented, in which the student's objective is to obtain a complete history, formulate a differential diagnosis, and propose a rational approach for evaluation and treatment of the patient.

**DHCT 3407/DHBS 4407 Current Applications in Dental Hygiene**

One credit hour (1 lec)

This class is primarily discussion of dental and clinical sciences as they relate to the clinical practice of the dental hygienist.

**DHCT 3408/DHBS 4408 Practice Management**

Two credit hours (2 lec.)

This class is primarily discussion of employment techniques, office and staff communication, and practice management. The student will have an opportunity to make a professional presentation of dental-related techniques and procedures.

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**CURRICULUM BY YEARS**

**FIRST YEAR**

**Certificate/Bachelor of Science**

| Course No.             | Descriptive Title                |     |    |   | Semester Hrs |
|------------------------|----------------------------------|-----|----|---|--------------|
|                        |                                  | D   | L  | C |              |
| <i>Fall Semester</i>   |                                  |     |    |   |              |
| DHCT 2101/DHBS 3101    | Pre-Clinical Technique           | 48  | 96 |   | 5.0          |
| DHCT 2103/DHBS 3103    | Introduction to Dental Hygiene   | 48  | 16 |   | 3.0          |
| DHCT 2105/DHBS 3105    | Dental Radiology I               | 32  | 16 |   | 2.0          |
| DHCT 2107/DHBS 3107    | Head and Neck Anatomy            | 32  |    |   | 2.0          |
| DHCT 2108/DHBS 3108    | Oral Histology and Embryology    | 32  |    |   | 2.0          |
| DHCT 2109/DHBS 3109    | Dental Anatomy                   | 32  | 32 |   | 3.0          |
| <i>Spring Semester</i> |                                  |     |    |   |              |
| DHCT 2201/DHBS 3201    | Clinical Practice I              | 160 |    |   | 3.0          |
| DHCT 2202/DHBS 3202    | Clinical Seminar I               | 48  |    |   | 3.0          |
| DHCT 2205/DHBS 3205    | Dental Radiology II              | 16  | 16 |   | 1.0          |
| DHCT 2206/DHBS 3206    | General Oral Pathology           | 48  |    |   | 3.0          |
| DHCT 2209/DHBS 3209    | Dental Emergencies               | 32  | 16 |   | 2.0          |
| DHCT 2210/DHBS 3210    | Intro to Dental Hygiene Practice | 16  | 16 |   | 1.0          |

*Summer Term*

|                     |                        |            |            |            |             |
|---------------------|------------------------|------------|------------|------------|-------------|
| DHCT 2300/DHBS 3500 | Clinical Seminar II    | 16         |            |            | 1.0         |
| DHCT 2301/DHBS 3501 | Clinical Practice II   | 117        |            |            | 3.0         |
| DHCT 2303/DHBS 3503 | Applied Nutrition      | 16         |            |            | 1.0         |
| DHCT 2304/DHBS 3504 | Special Needs Patients | 32         |            |            | 2.0         |
| DHCT 2305/DHBS 3505 | Periodontology I       | 16         |            |            | 1.0         |
| <b>TOTALS</b>       |                        | <b>464</b> | <b>208</b> | <b>277</b> | <b>38.0</b> |

**SECOND YEAR**

**Certificate/Bachelor of Science**

| <b>Course No.</b>      | <b>Descriptive Title</b>                   |            |           |            | <b>Semester Hrs.</b> |
|------------------------|--|------------|-----------|------------|----------------------|
| <i>Fall Semester</i>   |  |            |           |            |                      |
|                        |  | D          | L         | C          |                      |
| DHCT 3301/DHBS 4301    | Clinical Practice III                      | 272        |           |            | 4.0                  |
| DHCT 3302/DHBS 4302    | Clinical Seminar III                       | 32         |           |            | 2.0                  |
| DHCT 3303/DHBS 4303    | Community Dental Health                    | 48         |           |            | 3.0                  |
| DHCT 3309/DHBS 4309    | eriodontology II                           | 32         |           |            | 2.0                  |
| DHCT 3307/DHBS 4307    | Dental Materials                           | 32         | 32        |            | 3.0                  |
| DHCT 3308/DHBS 4308    | Pharmacology                               | 32         |           |            | 2.0                  |
| <i>Spring Semester</i> |  |            |           |            |                      |
| DHCT 3401/DHBS 4401    | Clinical Practice IV                       | 228        |           |            | 4.0                  |
| DHCT 3402/DHBS 4402    | Clinical Seminar IV                        | 32         |           |            | 2.0                  |
| DHCT 3403/DHBS 4403    | Community Dental Health Practice           | 32         | 32        |            | 2.0                  |
| DHCT 3406/DHBS 4406    | Applied Oral Pathology                     | 16         |           |            | 1.0                  |
| DHCT 3407/DHBS 4407    | Current Applications<br>in Dental HygieneD | 16         |           |            | 1.0                  |
| HCT 3408/DHBS 4408     | Practice Management                        | 32         |           |            | 2.0                  |
| <b>TOTALS</b>          |  | <b>304</b> | <b>64</b> | <b>500</b> | <b>28.0</b>          |

\* The following abbreviations are used: D - Didactic, L - Laboratory, C - Clinic

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**GRADUATION REQUIREMENTS**

In order to be eligible for graduation, a student must complete the following requirements:

The candidate must, in the opinion of the faculty, have satisfactorily completed the prescribed curriculum of The University of Texas School of Dentistry at Houston Dental Hygiene Program;

The candidate must have credit for sufficient grade points to equal not less than two times the number of semester hours that are undertaken in this institution;

The candidate must have discharged all of the financial obligations to School of Dentistry and/ or The University of Texas Health Science Center at Houston; and

The candidate must have completed a minimum of two semesters at the School of Dentistry;

The candidate must sustained record of satisfactory professional and ethical behavior.

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## CONTINUING DENTAL EDUCATION

The Office of Continuing Dental Education offers a wide range of courses covering all aspects of dentistry for both dentists and dental auxiliaries. The courses vary from one-day programs to year-long extended participation programs. Formats include lectures, discussions, demonstrations, and laboratory and/or clinical participation sessions. The emphasis is always on current dental information with practical applications, which are useful to today's practicing dental professionals. The speakers and clinicians for these courses are School of Dentistry faculty and staff and selected nationally and internationally known individuals with extensive experience in their respective fields. No academic credit is given for these courses, but a letter of attendance is provided for credit with various professional organizations. Brochures describing the offering of courses are mailed periodically to active members of the dental profession in Texas. To obtain a brochure or to obtain more specific information regarding a course, please contact the Office of Continuing Dental Education, School of Dentistry, at (713) 486-4028 or send e-mail to: [dbcontinuinged@uth.tmc.edu](mailto:dbcontinuinged@uth.tmc.edu). Access the web site at <http://www.db.uth.tmc.edu/education/continuing-education>

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## FACULTY

**Aarup, Shahrzad**, *Assistant Professor, General Practice and Dental Public Health*  
M.A., Allameh University, 1992; D.D.S., Aarhus University

**Acharya, Bhavini**, *Assistant Professor, Pediatric Dentistry*  
B.D.S, M.R., Ambedkar Dental College & Hospital, 2000; University of Alabama at Birmingham, 2004.

**\*Adibi, Shahriar Shawn**, *Clinical Assistant Professor, General Practice and Dental Public Health*, D.D.S., The University of Oklahoma, 1993.

**Akyalcin, Sercan**, *Assistant Professor, Orthodontics*.  
D.D.S., Ege University School of Dentistry 2001; Ph.D., Ege University School of Dentistry, 2008.

**\*Allaire, Joanna L.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*  
R.D.H., University of Texas Dental Branch, 1978; B.S., University of Texas Dental Branch, 2007; M.D.H., The University of Tennessee Health Science Center, 2012.

**Angelov, Nikola**, *Professor and Chair, Periodontics and Dental Hygiene*  
D.D.S., University St. Cyril and Methodius Faculty of Dentistry Skopje, 1993; M.S., University of Cyril and Methodius Faculty of Dentistry Skopje, 2000; Ph.D., University of St Cyril and Methodius Faculty of Dentistry Skopje, 2004.

**Aponte, Asneiry A.**, *Associate Professor, Restorative Dentistry and Prosthodontics*  
D.D.S., School of Dentistry, University of Los Andes, Merida-Venezuela 1969; M.S., University of Alabama School of Dentistry 1978.

**\*Arriaga, Dianna M.**, *Clinical Assistant Professor, General Practice and Dental Public Health*.  
D.D.S., University of Texas Dental Branch, 1985

**Badger, Gary**, *Clinical Associate Professor and Chair, Pediatric Dentistry*  
D.D.S., Georgetown University School of Dentistry, 1970; M.S., University of Missouri at Kansas City, 1977.

**Bahl, Saroj M.**, *Associate Professor, Periodontics and Dental Hygiene.*  
Ph.D., R.D., Delhi University India, 1973.

**\*Ball, Jeffrey W.**, *Clinical Assistant Professor, Orthodontics.*  
D.D.S., University of Texas Dental Branch, 1980; M.S., Baylor College of Medicine, 1990

**Barros, Juliana**, *Assistant Professor, Restorative Dentistry and Prosthodontics.*  
D.D.S. University of Uberaba, 1995; M.S., University of Michigan, 2001.

**\*Beetar, Rodney F.**, *Professor, Restorative Dentistry and Prosthodontics.*  
Dr. Odont., Cartagena University, 1964; M.S., St. Louis University Dental School, 1970; D.D.S., Creighton University, 1975.

**Belles, Donald M.**, *Associate Professor, Restorative Dentistry and Prosthodontics.*  
D.D.S., Georgetown University, 1978; M.S., University of Texas San Antonio, 1987.

**\*Bentley, Dan**, *Assistant Professor, General Practice and Dental Public Health.*  
D.D.S., University of Texas at San Antonio, 1992.

**\*Bertz, James E.**, *Clinical Professor, Oral and Maxillofacial Surgery*  
D.D.S., Ohio University 1961; M.S., Ohio University 1960; M.D., Baylor University College Medicine Houston, 1974.

**\*Bex-Seals, Anne-Catherine**, *Clinical Assistant Professor, General Practice and Dental Public Health, D.D.S., University of Texas Dental Branch, 1984.*

**\*Bohluli, Pedram**, *Clinical Assistant Professor, Endodontics*  
D.D.S., 1999 Shahid Beheshti University School of Dental Medicine; M.S. University of Texas at Arlington, 2003; Ph.D., University of Texas at Arlington, 2005

**\*Bonaventura, Gina T.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene.*  
D.D.S., State University of New York at Buffalo School of Dental Medicine, 1986; M.S., University of Texas Dental Branch, 2001.

**\*Brown, Cristina Belen**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*  
B.S., in Dental Hygiene University of Texas Dental Branch at Houston, 2011.

**Busaidy, Kamal**, *Associate Professor, Oral and Maxillofacial Surgery.*  
B.D.S., Royal London Hospital School of Medical and Dental, 1992; M.S. University of Texas Dental Branch, 2002.

**\*Bussa, Harry I., Jr.**, *Clinical Associate Professor, Orthodontics.*  
D.D.S., University of Texas Dental Branch, 1975; M.S., University of Texas Dental Branch, 1977.

**\*Butler, Donald P.**, *Clinical Associate Professor, Oral and Maxillofacial Surgery.*  
D.D.S., Baylor College of Dentistry, 1967.

**Cai, Shiwei**, *Assistant Professor, Endodontics*  
D.D.S., Capital Institute of Medicine, 1988 Ph.D.; University of Washington, 2004

**\*Callis, Amber N.**, *Clinical Assistant Professor, Pediatric Dentistry*  
D.D.S., Baylor College of Dentistry, 2006; M.S., Baylor College of Dentistry, 2008.

**Candia Solari Neumann, Ana**, *Assistant Professor, General Practice and Dental Public Health*,  
D.D.S., Federal University of Southern Mato Grosso, School of Dentistry, 1992; M.P.H.,  
University of Texas School of Public Health, 2000; Ph.D., University of Texas School of Public  
Health, 2004.

**\*Carlson, Charlotte Louise**, *Clinical Assistant Professor Restorative Dentistry and  
Prosthodontics*, D.D.S. Harvard School of Dental Medicine, 1977.

**Cederburg, Robert A.**, *Associate Dena for Patient Care, Professor, General Practice and Dental  
Public Health*, M.A., Southern Methodist University, 1976; D.D.S., Baylor College of Dentistry,  
1979.

**\*Cessac, Freddy R.**, *Clinical Assistant Professor, Pediatric Dentistry*  
D.D.S., University of Texas Dental Branch, 1962, M.S.; University of Texas Dental Branch, 1968.

**\*Chan, Michael M.**, *Clinical Assistant Professor, General Practice and Dental Public Health*,  
D.D.S., University of Texas at San Antonio 1997.

**\*Chang, Jennifer**, *Clinical Assistant Professor, Periodontics and Dental Public Health*,  
D.D.S., New York University College of Dentistry , 2010; M.S.D., University of Texas School of  
Dentistry, 2013.

**\*Chi, Chia Chen**, *Clinical Assistant Professor, General Practice and Dental Public Health*,  
D.M.D., University of Pennsylvania, 2002.

**Chiquet, Brett T.**, *Assistant Professor, Pediatric Dentistry*,  
D.D.S., University of Texas Dental Branch, 2011; PhD., University of Texas School of Biomedical  
Sciences, Houston, 2011

**\*Clark, Christina**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*  
D.D.S., University of the Pacific Arthur A. Dugoni, School of Dentistry, 2010.

**\*Colville, Clark D.**, *Clinical Assistant Professor, Orthodontics*  
D.D.S., University of Texas at San Antonio, 1989; M.S. University of Texas Dental Branch, 1993.

**\*Conn, Ruth E.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*  
R.D.H., University of Texas Dental Branch, 1978

**\*Cooley, Ralph A. Clinical Associate Professor**, *General Practice and Dental Public Health*  
D.D.S., Baylor College of Dentistry, 1980.

**\*Corbett, John A.**, *Clinical Associate Professor, Orthodontics*.  
D.D.S., Ohio State University, 1972; M.S., University of Texas Dental Branch, 1978.

**\*Cozad, Benjamin E.**, *Clinical Assistant Professor, Orthodontics*  
D.D.S., Baylor College of Dentistry, 2011; M.S. University of Texas School of Dentistry, 2013.

**D'Angelo, Alix**, *Instructor; Genetic Counselor; Diagnostic and Biomedical Sciences*  
M.G.C., University of Maryland Baltimore, 2013.

**\*Davis, Chester L.**, *Clinical Assistant Professor, Orthodontics.*  
D.D.S., University of Texas Dental Branch, 1975

**Debes, Robert R.**, *Clinical Professor, Oral and Maxillofacial Surgery.*  
D.D.S., Baylor College of Dentistry, 1953; M.A., Baylor University, 1949

**Delattre, Veronique F.**, *Professor, General Practice and Dental Public Health; Director, Quality Assurance & Risk Management, Office of Patient Care.*  
D.D.S., University of Texas Dental Branch, 1986.

**Demian, Nagi**, *Assistant Professor, Oral and Maxillofacial Surgery*  
D.D.S., University of Texas Dental Branch, 1999; M.D., University of Texas Medical School, 2003.

**DiFiore, Peter M.**, *Professor, John Ludington, Jr., D.D.S., M.S.D. Distinguished Professorship in Endodontics*, D.D.S., New York University, College of Dentistry 1966; M.S., George Washington University, Graduate School of Arts and Sciences, 1981.

**Dorn, Samuel O.**, *Professor, Dr. Frank B. Trice Professorship in Endodontics and Chairman, Endodontics*, D.D.S., Fairleigh Dickinson University School of Dentistry, 1970.

**Dosani, Fehmida**, *Assistant Professor, Pediatric Dentistry*,  
D.D.S., University of Toronto, 2009.

**Duke, Pauline C.**, *Professor, Orthodontics, Student Research Coordinator*,  
M.A.T., Emory University, 1968; Ph.D., Emory University, 1977.

**\*Ebrahimian, Akbar**, *Clinical Assistant Professor, General Practice and Dental Public Health.*  
D.D.S., University of Texas Dental Branch, 1995.

**Edwards, Lincoln**, *Associate Professor, Diagnostic and Biomedical Sciences*,  
Ph.D., Loma Linda University, 1998; D.D.S., Loma Linda University, 2009.

**\*Eldiwany, Magda S.**, *Clinical Associate Professor, Restorative Dentistry and Prosthodontics.*  
D.D.S., University of Cairo, 1975, D.D.S., University of Texas Dental Branch, 1989.

**\*Ellis, Randy**, *Clinical Assistant Professor, Orthodontics*,  
D.D.S., University of Texas Dental Branch, 1987; M.S. University of Texas Dental Branch, 1998.

**English, Jeryl D.**, *Professor and Chair, and Program Director, Fred A. and Dianne F. Garrett Endowed Chair in Orthodontics*, D.D.S., University of Missouri School of Dentistry, 1971; M.S., University of Missouri School of Dentistry, 1976.

**Fakhouri, Walid D.**, *Assistant Professor, Diagnostic and Biomedical Sciences*,  
M.Sc., University of Hohenheim, Germany, 1995; Ph.D., Michigan State University, 2002.

**Flaitz, Catherine M.**, *Professor, Diagnostic and Biomedical Sciences*,  
D.D.S., Creighton University, 1978; M.S., University of Iowa, 1981.

**Franklin, Deborah R.**, *Associate Professor, General Practice and Dental Public Health*, D.D.S., Temple University, 1981; M.A., University of Houston, 1998.

**\*Freeman, Kim**, *Clinical Assistant Professor, Endodontics*, D.M.D., Washington University School of Dental Medicine, 1985; M.S., University of Texas Dental Branch, 1988.

**Freeman, Phillip N.**, *Associate Professor, Oral and Maxillofacial Surgery*, D.M.D., University of Louisville, School of Dentistry, 1973; M.D., University of Louisville, School of Medicine, 1983.

**Frey, Gary N.**, *Associate Professor and Chair of General Practice and Dental Public Health; Vice-Chair of Restorative Dentistry and Prosthodontics*, D.D.S., University of Texas Dental Branch, 1979

**\*Gallerano, Ronald L.**, *Clinical Associate Professor, Orthodontics*, D.D.S. Louisiana State University, 1972; M.S.D., University of Washington, 1976.

**\*Ganoza-Duron, Gabriela G.**, *Clinical Assistant Professor, Pediatric Dentistry*, D.D.S., Gaetano Heredia Peruvian University Dental School, 2000.

**Gardner, Amity L.**, *Assistant Professor, General Practice and Dental Public Health* D.D.S., Creighton University, 2001.

**\*Garrett, Fred A.**, *Clinical Professor, Orthodontics*, D.D.S., Washington University, 1958; M.S., Washington University, 1963.

**\*Garza, Anthony S.**, *Clinical Assistant Professor, General Practice and Dental Public Health*, D.D.S., University of Texas Health Science Center at San Antonio, 1989.

**Gaw, Allen**, *Clinical Assistant Professor, Pediatric Dentistry*, D.D.S., University of Texas Dental Branch, 1972.

**Gay, Isabel**, *Assistant Professor, Periodontics and Dental Hygiene*, D.D.S., Universidad Nacional utonoma de Mexico, 1979; M.S., Universidad Nacional utonoma de Mexico, 1997; M.S., University of Alabama, 2007.

**\*Gilbert, Harry D.**, *Clinical Professor, Oral Maxillofacial Surgery* D.D.S., University of Missouri at Kansas City, School of Dentistry, 1971.

**\*Gill, Hareeti R.**, *Clinical Assistant Professor, General Practice and Dental Public Health* D.D.S., New York University, New York, 2008.

**Gonzalez, Maria**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*. D.D.S., Universidad Veracruzana, 1996; M.S. University of Texas Dental Branch, 2002.

**\*Goravanchi, Babak**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*. D.D.S. University of Texas Dental Branch, 2003.



**\*Guajardo, Leticia**, *Clinical Assistant Professor, Endodontics*

D.D.S., University of Nuevo Leon School of Dentistry, Monterrey, Mexico, 1990.

**\*Gullick, Carl N.**, *Clinical Assistant Professor, Orthodontics.*

D.D.S., University of Texas Dental Branch, 1976.

**\*Haddad, Yasmine M.**, *Clinical Assistant Professor, Diagnostic and Biomedical Sciences*

D.D.S., University of Texas Dental Branch, 2001; Ph.D., Graduate School of Biomedical Sciences, 2009.

**\*Hakki, Omar W.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene.*

D.D.S., Indiana University School of Dentistry, 1995; M.S.D., Indiana University School of Dentistry, 2000.

**Hanna, Issa A.**, *Assistant Professor, Oral and Maxillofacial Surgery*

D.D.S., University of North Carolina, School of Dentistry, 2004.

**\*Hanna, Raouf**, *Clinical Assistant Professor, Periodontics and Dental Hygiene.*

D.D.S., Cairo University School of Oral Dental Medicine, 1998; M.S., University of Texas Dental Branch, 2003.

**\*Harbaugh, Phaedra G.**, *Clinical Assistant Professor, General Practice and Dental Public*

*Health*, D.D.S., University of Colorado, School of Dentistry, 2002.

**Harris, Michael E.**, *Clinical Assistant Professor, General Practice and Dental Public Health, General Practice Residency Program Director*

D.D.S., Baylor College of Dentistry, 1981.

**Hecht, Jacqueline T.**, *Associate Dean for Research, Professor and Division Head Pediatric Research Center, Vice Chair for Research Dept. of Pediatrics, U T Medical School*

M.S., University of Colorado Medical Center, 1976; Ph.D., University of Texas School of Public Health, 1988.

**Henson, Harold A.**, *Director of Center for Teaching and Learning, Associate Professor of Dental Hygiene, Periodontics and Dental Hygiene, B.S., University of Houston, 1992; R.D.H.,*

*University of Texas Dental Branch, 1995, M.Ed., University of Houston/Baylor College of Medicine, 2001.*

**Hernandez, Graciela**, *Assistant Professor, Restorative Dentistry and Prosthodontics*

M.S.D., Indiana University School of Dentistry, 2004; D.D.S., University of Detroit Mercy School of Dentistry, 2008.

**\*Hill, Ron Coby**, *Clinical Assistant Professor, Endodontics*

D.D.S., University of Texas Dental Branch, 1997; M.S.D., University of Texas Dental Branch, 2010.

**Ho, Daniel Kuan-Te**, *Assistant Professor, Periodontics and Dental Hygiene*

D.M.Sc., Harvard School of Dental Medicine, 2012; D.M.D., McGill University, 2004.

**\*Huynh, Carolyn P.**, *Clinical Assistant Professor, Diagnostic and Biomedical Sciences.*

D.D.S., University of Texas Dental Branch, 1993, M.Ed., University of Houston, 2012.



**\*Ibarra, Bret A.**, *Clinical Assistant Professor, Pediatric Dentistry*  
D.D.S., University of Iowa College of Dentistry, 2006; M.S., University of Texas Dental Branch, 2008.

**Infante, Nina Bay Associate Professor of Dental Hygiene, Periodontics and Dental Hygiene.**  
R.D.H., Amarillo College, 1973; B.A.A.S., West Texas State University, 1989; M.S., University of Missouri-Kansas City, 1991.

**Iwata, Junichi**, *Assistant Professor, Diagnostic and Biomedical Sciences*,  
D.D.S., Kyushu University, School of Dentistry, Japan, 2000; Ph.D., Kyushu University, School of Dentistry, Japan, 2004.

**Jadhav, Aniket B.**, *Assistant Professor, Diagnostic and Biomedical Sciences*,  
M.S., University of St. Francis, Joliet, IL, 2010, D.D.S., University of Connecticut Health Center School of Dental Medicine, 2010.

**Jeske, Arthur H.**, *Associate Dean for Strategic Planning, Continuing Dental Education and Professor, Ph.D.*, Medical College of Georgia, 1975; D.M.D., Medical College of Georgia, 1978.

**Jeter, Cameron B.**, *Assistant Professor, General Practice and Dental Public Health*  
Ph.D., Graduate School of Biomedical Sciences, 2010.

**Johnson, Cleverick D.**, *Associate Professor, Director of Urgent Care, General Practice and Dental Public Health, M.S.*, Texas Southern University, 1981; D.D.S., University of Texas Dental Branch, 1986.

**\*Johnson, James V.**, *Clinical Professor, Oral and Maxillofacial Surgery*,  
D.D.S., University of Texas Dental Branch, 1962; M.S., University of Texas Dental Branch, 1986.

**Kiat-Amnuay, Sudarat**, *Associate Professor, General Practice and Dental Public Health*,  
D.D.S., Kohn Keanu University 1994; M.S., University of Louisville, 1999.

**Klein, John R.**, *Professor, Diagnostic and Biomedical Science*,  
Ph.D., University of Pennsylvania School of Medicine, 1980.

**Koeppen, Raymond G.**, *Interim Associate Dean for Academic Affairs, Chairman and Associate Professor, Yun J. Ahn and Song Ahn, D.D.S. Professorship in Implant Dentistry, Restorative Dentistry and Prosthodontics, D.D.S.*, School of Dental Medicine, State University of New York at Stony Brook, 1977; M.S. University of Texas at San Antonio, 1986.

**\*Koh, Jason E.**, *Clinical Assistant Professor, General Practice and Dental Public Health*  
D.D.S., Howard University College of Dentistry, Washington, D.C, 2010.

**Koh, Sheila H.**, *Professor, General Practice and Dental Public Health*,  
D.D.S., University of Texas Dental Branch, 1990.

**Korkmaz, Ceyhan, Yonca**, *Clinical Associate Professor, Restorative Dentistry and Prosthodontics, D.D.S.*, Gazi University, School of Dentistry, Ankara, Turkey, 1997; Ph.D., Hacettepe University, School of Dentistry, Ankara, Turkey, 2005.

**Laman, Stephen**, *Assistant Professor and Executive Director of Faculty Practice, General Practice and Dental Public Health*, D.D.S., University of Texas Dental Branch, 1986.

\***Lan, Magret**, *Clinical Assistant Professor, General Practice and Dental Public Health*, D.D.S., University of Texas at San Antonio, 1998; M.S., University of Texas at Houston Dental Branch, 2008.

\***Lawnin, Nelson Reynolds**, *Clinical Assistant Professor, General Practice and Dental Public Health*, D.D.S., New York University College of Dentistry, 2011.

\***Lee, Robert P.**, *Clinical Assistant Professor, Orthodontics & Dentofacial Orthopedics and Oral and Maxillofacial Surgery*, D.D.S., University of Texas Dental Branch, 1999; M.S., University of Texas Dental Branch, 2004.

**Letra, Ariadne Machado**, *Associate Professor, Endodontics*, D.D.S., Fluminense Federal University, Niterio RJ, Brazil, 1995; State University of Rio de Janeiro, Brazil, 2003; Ph.D., University of Sao Paulo, Bauru, Brazil, 2007.

\***Lewis, Regina**, *Clinical Assistant Professor, Pediatric Dentistry*, D.D.S., University of Texas Dental Branch, 1991.

**Lewis, Vahn A.**, *Associate Professor, Diagnostic and Biomedical Sciences*, Pharm.D., University of California, 1971; M.S., University of Iowa, 1973, Ph.D., University of Iowa, 1976.

**Li, LuLu**, *Assistant Professor of Restorative Dentistry and Prosthodontics*, D.D.S., Sichuan University, 1999; M.S., Sichuan University, 2001; Ph.D., University of Connecticut Health Center, 2007.

\***Lin, Michelle I.**, *Clinical Assistant Professor, Pediatric Dentistry*, D.D.S., University of Texas Dental Branch, 1999; M.S., University of Texas Dental Branch, 2002.

**Lloyd, James M.**, *Clinical Associate Professor, General Practice and Dental Public Health*, D.D.S., University of Texas Dental Branch, 1992.

**Lou, Yahuan**, *Professor, Diagnostic and Biomedical Science*, Ph.D., Hokkaido University, 1990

\***Mathur, Hiru**, *Clinical Assistant Professor, Periodontics and Dental Hygiene.*, B.D.S., Nair Hospital Dental College, University of Bombay, 1990, M.D.S.; Nair Hospital Dental College, University of Bombay, 1993; M.S., University of Texas Dental Branch, 1999.

**Mayer, Larry D.**, *Clinical Associate Professor, Orthodontics*, D.D.S., University of Texas Dental Branch, 1970; M.S., University of Texas Dental Branch, 1974

\***McCrea, Kyle**, *Clinical Assistant Professor, General Practice and Dental Public Health*, D.D.S., University of Texas at San Antonio, 1990.

\***McGriff-Metz, Lisa**, *Clinical Assistant Professor, Pediatric Dentistry*, D.D.S., University of Maryland Baltimore College of Dentistry, 2001

**\*McGrory, John K.**, *Clinical Assistant Professor, Orthodontics*,  
D.D.S., University of Texas Dental Branch, 2006; M.S., University of Texas Dental Branch, 2008.

**\*McGrory, Kathleen R.**, *Clinical Assistant Professor and Clinic Director, Orthodontics*,  
D.D.S., University of Texas Dental Branch, 2004; M.S., University of Texas Dental Branch, 2006.

**McKitrick, Darla K.**, *Associate Professor of Dental Hygiene, Periodontics and Dental Hygiene*.  
R.D.H., Ohio State University, 1970; B.S., Ohio State University, 1971; M.S. University of  
Houston-Clear Lake, 1992.

**McMahon, John C.**, *Professor, Diagnostic and Biomedical Sciences*.  
M.S., Loyola University, 1968; Ph.D., Illinois State University, 1972.

**McWherter, Jayne A.**, *Associate Professor and Director of Dental Hygiene, Periodontics  
and Dental Hygiene*, R.D.H., University of Texas Dental Branch, 1975; B.S., University of  
Texas School of Allied Health Sciences at Houston, 1981; M.Ed., Baylor College of Medicine/  
University of Houston, 1985.

**\*Melchor, Margo Y.**, *Associate Professor, Director of Community Outreach, Dental Hygiene,  
Periodontics and Dental Hygiene*, R.D. H., University of Texas Dental Branch, 1991; B.S.,  
University of Texas Dental Branch, 2006; M.Ed., University of Houston, 2009.

**\*Mukherji, Gargi**, *Clinical Assistant Professor, General Practice and Dental Public Health*.  
D.D.S., Baylor College of Dentistry, 2000.

**\*Natkin, Bernard Boris**, *Clinical Associate Professor, Oral and Maxillofacial Surgery*  
D.D.S., Washington University School of Dentistry, 1963; D.M.D., Doctor's Medical Center-  
Toronto, Canada, 1970.

**Novak, Karen Faye**, *Associate Dean for Professional Development and Faculty Affairs,  
Professor, Periodontics and Dental Hygiene*, D.D.S., University of North Carolina, 1982; M.S.,  
University of Rochester, NY, 1989; Ph.D., University of Texas Health Science Center at San  
Antonio, 1992.

**Ogureke, Ezinne Ihuoma**, *Assistant Professor, General Practice and Dental Public Health*  
B.D.S., University of Nigeria, School of Dentistry, Enugu, Nigeria, 1991; D.M.D., Tufts University  
School of Dental Medicine, Boston Massachusetts, 1999.

**Ogubureke, Kalu U.**, *Professor and Chair, Diagnostic and Biomedical Sciences Endowment ,  
Diagnostic and Biomedical Sciences*, B.D.S., University of Ibadan, 1986; M.Sc., University of  
Glasgow, 1993; D.M.Sc. Harvard University, 2001.

**\*Okwen, Mbachan Collins**, *Clinical Assistant Professor, Endodontics*  
D.D.S., University of Benin School of Dentistry, Edo State, Nigeria, 1999; M.B.A., Florida  
Metropolitan University, Fort Lauderdale, FL, 2008.

**Ontiveros, Joe C.**, *Associate Professor, Restorative Dentistry and Prosthodontics*.  
D.D.S., University of Texas at San Antonio, 1997.

**Ortegon, Sergio**, *Assistant Professor, Restorative Dentistry and Prosthodontics*, D.D.S., Pontificia Universidad Javeriana, 1998; M.S., University of Connecticut Health Center, 2006.

**Panza, Jeanne C.**, *Associate Professor, General Practice and Dental Public Health*, D.M.D., University of Pittsburg School of Dental Medicine, 1990  
**Paravina, Rade**, *Assistant Professor of Restorative Dentistry, Restorative Dentistry and Prosthodontics*, D.D.S., University of Nis School of Medicine, Yugoslavia, 1988; Ph.D., University of Nis School of Medicine, Yugoslavia, 2000.

**Parthasarathy, Kavitha**, *Assistant Professor, Periodontics and Dental Hygiene*, B.D.S., Bangalore University, 1999.

**Pate, Theodore D.**, *Professor, Diagnostic and Biomedical Sciences*, M.S., University of Nebraska, 1969; Ph.D., Baylor College of Medicine, 1974.

**Patel, Shalizeh**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*, D.D.S., University of Texas Dental Branch, 2001.

**\*Patrounova, Victoria**, *Clinical Assistant Professor of Dental Hygiene, Periodontics and Dental Hygiene*, R.D.H., University of Texas Dental Branch, 1999; M.H.A, Texas Women University, 2007.

**\*Pauker, James**, *Clinical Assistant Professor, General Practice and Dental Public Health*, D.P., University of California Berkley, 1977; D.D.S., University of Texas Dental Branch; GPR, USAF Regional Hospital, 1985; GDR, Wilford Hall Medical Center 2000.

**\*Pazmino, Alice**, *Clinical Assistant Professor, Pediatric Dentistry*, D.D.S., University of Maryland Baltimore College of Dental Surgery, 2008; M.S., University of Texas Dental Branch, 2010.

**Pierpont, Hugh P.**, *Associate Dean for Student and Alumni Affairs, and Professor, Restorative Dentistry and Prosthodontics*, D.D.S., University of Texas Dental Branch, 1977.

**\*Powell, Billy L.**, *Clinical Assistant Professor, Orthodontics*, D.D.S., University of Texas Dental Branch, 1985; M.S., Baylor University, 1981.

**\*Powers, John M.**, *Professor Restorative Dentistry and Prosthodontics*, Ph.D., University of Michigan, 1972.

**Quock, Ryan**, *Assistant Professor, Restorative Dentistry and Prosthodontics*, D.D.S., University of Texas Dental Branch, 2005.

**\*Ridall, Amy**, *Clinical Assistant Professor, Restorative Dentistry and Prosthodontics*, D.D.S., State University of New York at Buffalo, School of Medicine, 1984; M.S., State University of New York at Buffalo, School of Dental Medicine, 1987; Ph.D., University of Texas Graduate School of Biomedical Sciences at Houston, 1995.

**Roberts, Donald**, *Assistant Professor, General Practice and Dental Public Health*, D.D.S., University of Texas Dental Branch 1976.

**Rogers, Carla**, *Associate Professor, Diagnostic and Biomedical Sciences*,  
Ph.D., Medical College of Ohio, 1983.

**Ruona, Kimberly**, *Assistant Professor, General Practice and Dental Public Health*,  
D.D.S., University of Michigan, Ann Arbor, 1992

**\*Sadowsky, June**, *Assistant Professor, General Practice and Dental Public Health*,  
D.D.S., University of Texas Dental School at San Antonio, 1982; M.P.H., University of Texas  
School of Public Health at San Antonio, 1995.

**\*Salas-Lopez, Anna M.**, *Clinical Associate Professor, Orthodontics*,  
D.D.S., Universidad Central de Venezuela, 1988; M.S., University of Texas Dental Branch, 1996.

**Sauceda Ramirez, Anna M.**, *Assistant Professor, Restorative Dentistry and Prosthodontics*  
D.D.S., National Autonomous University of Honduras, 2002; M.S., University of Alabama at  
Birmingham, 2010.

**Schaefer, Jeremy S.**, *Instructor, Diagnostic and Biomedical Sciences*.  
B.A., University of Michigan Ann Arbor, 1999; Ph.D., Baylor College of Medicine Houston, 2007.

**\*Schuldy, George F.**, *Clinical Assistant Professor, Orthodontics*  
D.D.S., Baylor College of Dentistry, 1970; M.S., University of Missouri-Kansas City, 1972.

**Seals, Matthew L.**, *Associate Professor, Director of Pre-Doctoral Clinical Education, General  
Practice and Dental Public Health*, D.D.S., University of Texas Dental Branch, 1977.

**Servos, Thomas A.**, *Assistant Professor, of Restorative Dentistry, General Practice and Dental  
Public Health*, D.D.S., University of Texas at San Antonio Dental School, 1983.

**\*Shepherd, Boyd**, *Clinical Associate Professor, General Practice and Dental Public Health*.  
D.D.S., University of Texas Dental Branch, 1988.

**Shum, Jonathan**, *Assistant Professor, Oral and Maxillofacial Surgery*  
D.D.S., University of Toronto, 2005; M.D., Weill Cornell Medical College, New York, NY, 2010.

**Silva, Renato Menezes**, *Associate Professor, Endodontics*  
D.D.S., Gama Filho University, Rio de Janeiro, Brazil, 1994; M.S., University of Sao Paulo, Brazil,  
2003; Ph.D., University of Sao Paulo, Brazil, 2006.

**\*Smith, Bruce S.**, *Clinical Associate Professor, Oral and Maxillofacial Surgery*.  
D.D.S., Baylor College of Dentistry, 1986

**\*Stanley, Eva**, *Clinical Assistant Professor, Endodontics*  
D.D.S., University of Texas Dental Branch, 1991; M.S., University of Texas Dental Branch, 1998.

**\*Starcke, Edgar N.**, *Clinical Professor, Restorative Dentistry and Prosthodontics*.  
D.D.S., University of Texas Dental Branch, 1963.

**\*Stephens, Claude, R.**, *Clinical Assistant Professor, Orthodontics*  
D.D.S., Baylor College of Dentistry, 1981; M.S., Ohio State University, 1986.

**Stevenson, Gene C.**, *Assistant Professor, Diagnostic and Biomedical Sciences*  
D.D.S., University of Southern California, 1978; M.S., University of Texas Dental Branch, 1997.

**\*Stewart, Debra Gayle**, *Clinical Assistant Professor, General Practice and Dental Public Health*  
M.S., Southwestern Texas State University, 1974; University of Texas Dental Branch, 1980.

**Storhiz, Karen A.**, *Adjunct Professor, Diagnostic and Biomedical Sciences*,  
M.S., Louisiana State University, 1978; Ph.D., Louisiana State University, 1981.

**Streckfus, Charles**, *Professor, Diagnostic and Biomedical Sciences*,  
D.D.S. University of Maryland School of Dental Surgery, 1978.

**Suchko, George D.**, *Associate Professor, Oral and Maxillofacial Surgery*,  
D.D.S., Georgetown University, 1973.

**\*Tan, Quynh-Thueyn**, *Clinical Assistant Professor, Pediatric Dentistry*,  
D.D.S., University of Toronto 2002; M.S., University of Texas San Antonio, 2006.

**\*Tandon, Anoushka J.**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*  
D.D.S., Northern University Dental School, 2001; M.S., University of Texas Health Science  
Center at San Antonio, 2004.

**Tate, Robert H.**, *Associate Professor, Pediatric Dentistry*,  
D.D.S., University of Texas Dental Branch, 1977.

**\*Thomas, Erin**, *Clinical Associate Professor, General Practice and Dental Public Health*,  
D.D.S., University of Texas Dental Branch, 1998.

**Thomas, Rosemary**, *Assistant Professor, Periodontics and Dental Hygiene*,  
B.D.S., Rajiv Gandhi University, College of Dental Medicine, 2003; D.M.D., Nova Southeastern  
University, College of Dental Medicine; M.S. University of Texas Dental Branch, 2010

**\*Tran, Lisa**, *Clinical Assistant Professor, Periodontics and Dental Hygiene*,  
D.D.S., University of Missouri-Kansas City School of Dentistry, 2004

**\*Tran, Long D.**, *Clinical Assistant Professor, General Practice and Dental Public Health*,  
D.D.S., University of Texas Dental Branch, 1991.

**Treasure, Trevor Edward**, *Clinical Assistant Professor, Oral and Maxillofacial Surgery*,  
D.D.S., University of Toronto, 1986; M.D., University of Texas Southwestern Medical School,  
1993; M.B.A., Texas Tech, 2003.

**\*Trejo, Pedro M.**, *Clinical Assistant Professor Periodontics and Dental Hygiene*,  
D.D.S. University of Mexico, 1983; M.S., University of Texas Dental Branch, 1992

**Tribble, Gena D.**, *Assistant Professor, Periodontics and Dental Hygiene*,  
Ph.D., East Carolina University School of medicine, 1998.

**Urquiola-Graham, Rebecca**, *Assistant Professor of Pediatric Dentistry, Pediatric Dentistry*,  
D.D.S., Universidad Veracruzana, 1980; M.S., University of Michigan School of Dentistry, 1983

**Valenza, John A.**, *Dean, and William N. Finnegan III Distinguished Teaching Professorship in Dental Sciences, and Associate Professor, Diagnostic and Biomedical Science*, D.D.S., University of Texas Dental Branch, 1981.

**Van der Hoeven, Dharini**, *Assistant Professor, Basic Sciences*  
M.Sc., Dalhousie University, Canada, 2004; Ph. D., Medical College of Wisconsin, 2008.

**Van der Hoeven, Ransome**, *Assistant Professor, Basic Sciences*  
Ph.D., University of Wisconsin, 2008.

**\*Vance, Bradley J.**, *Clinical Assistant Professor, Pediatric Dentistry*  
D.D.S., University of Michigan School of Dentistry, 1971

**\*Vaughan, Steven**, *Clinical Assistant Professor, General Practice and Dental Public Health*.  
D.D.S., University of Texas at San Antonio, 2004.

**Veerkeralam Kuppusamy Eswaran, Sridhar**, *Assistant Professor, Periodontics and Dental Hygiene*, B.D.S., Tamil Nadu Dr. MGR Medical University, Chennai, India, 2001; M.S., Stony Brook University, New York, 2006; M.S.D. University of Texas Dental Branch, 2009.

**Velasquez, Gisela M.**, *Assistant Professor, Pediatric Dentistry*  
D.D.S., University of Honduras, 1998; M.S., Tufts University School of Dental Medicine, 2005.

**Vigneswaran, Nadarajah**, *Associate Professor, Diagnostic and Biomedical Sciences*,  
B.D.S., University of Peradeny, Sri Lanka, 1980; DrMedDent, University of Erlangen, Germany, 1988; D.M.D., University of Alabama, 1997.

**Walji, Muhammad**, *Associate Dean Technology Services and Informatics, Associate Professor of Diagnostic and Biomedical Science*; M.S., Health Informatics, University of Texas, School of Health Information Sciences at Houston, 2002; Ph.D., University of Texas Health Science Center, 2006

**Wang, Bing-Yan**, *Associate Professor, Periodontics and Dental Hygiene*,  
D.M.Sc., Hokkaido University Japan, 1973; Ph.D., University at Buffalo New York, 2004; D.D.S., University of Buffalo at New York, 2010.

**\*Warner, Ben Franklin**, *Clinical Associate Professor, General Practice and Dental Hygiene*  
M.S., University of Houston, 1976; D.D.S., University of Texas Dental Branch, 1979; M.D., University of Texas Medical School, 1994.

**Warner, Raymond L.**, *Associate Professor, Diagnostic and Biomedical Sciences*.  
Ph.D., University of California, 1970.

**Warren-Morris, Donna P.**, *Associate Professor of Dental Hygiene, Periodontics and Dental Hygiene*, R.D.H., University of North Carolina, 1973; M.Ed., University of North Carolina, 1982.

**Weisleder Urow, Rebeca**, *Associate Professor, Endodontics*  
D.D.S., Universidad Autonoma de Mexico, 1990.



**Welch, Jesse G.**, *Associate Professor of Restorative Dentistry NTC, General Practice and Dental Public Health*, D.D.S., University of Texas Dental Branch, 1981.

**\*Welch, Sara Jo**, *Clinical Assistant Professor, Endodontics*  
D.D.S., University of Texas Dental Branch, 1996

**\*Weltman, Robin L.**, *Associate Professor and Program Director, Periodontics and Dental Hygiene*, D.D.S., University of Texas Dental Branch, 1987; M.S., University of Texas Dental Branch, 1995.

**\*Whitmire, Clark**, *Clinical Assistant Professor, Oral and Maxillofacial Surgery*.  
D.M.D., University of Alabama School of Dentistry, 1980; D.D., Cumberland School of Law, Sanford University, 1994.

**\*Wild, Thomas W.**, *Clinical Associate Professor, Pediatric Dentistry*.  
D.D.S., University of Texas Dental Branch, 1965; M.S., University of Texas Dental Branch, 1967.

**\*Williams, Thomas Peter**, *Clinical Associate Professor, Oral and Maxillofacial Surgery*  
D.D.S., University of Illinois College of Dentistry, 1968; M.D., University of Health Sciences Antiqua, Medical College, 2008.

**Wilson, James W.**, *Assistant Professor, Oral and Maxillofacial Surgery*,  
D.D.S., University of North Carolina School of Dentistry, 1971.

**Wong, Mark E.**, *Associate Professor and Chairman, Oral and Maxillofacial Surgery*,  
B.D.S., Faculty of Dentistry, University of Singapore, 1978.

**\*Young, Simone**, *Clinical Assistant Professor, Oral and Maxillofacial Surgery*, D.D.S., University of Toronto, 2003; Ph.D., Rice University, 2008; M.D., University of Texas Medical School, 2011.

**Zhang, Wenjian**, *Assistant Professor, Diagnostic and Biomedical Sciences*  
M.S., Wuhan University, 1997; Ph.D., University of Connecticut Health Center, 2006.

**\*Denotes part-time faculty**



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## Emeritus Professors

**Adkisson, Sam R.**, *D.D.S., Professor Emeritus, Restorative Dentistry and Prosthodontics*

**Allen, Don L.**, *D.D.S., Dean Emeritus, Periodontics and Dental Hygiene*

**Brady, Kenneth H.**, *D.D.S., Professor Emeritus, General Practice and Dental Public Health*

**Butler, William T.**, *Ph.D., Professor Emeritus, Diagnostic and Biomedical Sciences*

**Casey, Charles H.**, *D.D.S., Professor Emeritus, Restorative Dentistry and Prosthodontics*

**Chan, Jarvis T.**, *D.D.S., Ph.D., Professor Emeritus, Diagnostic and Biomedical Sciences*

**Crandell, Clifton E.**, *D.D.S., M.S., Professor Emeritus, General Practice and Dental Public Health*

**Frankson, Ralph A.**, *D.D.S., Professor Emeritus, General Practice and Dental Public Health*

**Fullerton, Leslie O.**, *D.D.S., M.S.D., Associate Professor Emeritus, General Practice and Dental Public Health*

**Goldschmidt, Millicent E.**, *Ph.D., Professor Emerita, Diagnostic and Biomedical Sciences*

**Helfrick, John F.**, *D.D.S., Professor Emeritus, Oral and Maxillofacial Surgery*

**Hooper, Wilford D.**, *D.D.S., Professor Emeritus, Endodontics*

**Hutchins, Max O.**, *Ph.D., Professor Emeritus, Diagnostic and Biomedical Sciences*

**Komatsu, Shigeki**, *D.D.S., Professor Emeritus, General Practice and Dental Public Health*

**Konigsberg, Isaac**, *D.D.S., Professor Emeritus, General Practice and Dental Public Health*

**Levy, Barnet M.**, *D.D.S., Professor Emeritus, Diagnostic and Biomedical Sciences*

**Madsen, Kenneth O.**, *Ph.D., Professor Emeritus, Diagnostic and Biomedical Sciences*

**McDaniel, Raymond K.**, *D.D.S., M.S., Professor Emeritus, Diagnostic and Biomedical Sciences*

**Minkoff, Robert**, *D.D.S., Professor Emeritus, Orthodontics*

**Morrison, William E.**, *B.S., M.S., Professor Emeritus, General Practice and Dental Public Health*

**O'Neill, Paula N.**, *Ed.D., Professor Emerita, Diagnostic and Biomedical Sciences*

**O'Neill, Peggy A.**, *Ph.D., D.D.S., Professor Emerita, Periodontics and Dental Hygiene*

**Parris, Sam H.**, *D.D.S., Professor Emeritus, General Practice and Dental Public Health*

**Rosborough, John P.**, *D.V.M., Ph.D., Professor Emeritus, General Practice and Dental Public Health*

**Simmons, Douglas M.**, *D.D.S., M.P.H., Professor Emeritus, General Practice and Dental Public Health*

**Sorrels, Henry M.**, *D.D.S., Professor Emeritus, General Practice and Dental Public Health*

**Stimson, Paul G.**, *D.D.S., M.S., Professor Emeritus, Diagnostic and Biomedical Sciences*

**Sweet, James B.**, *D.D.S., M.S., Professor Emeritus, Oral and Maxillofacial Surgery*

**Vogel, James J.**, *Ph.D., Professor Emeritus, Diagnostic and Biomedical Sciences*

**Von der Lehr, William N.**, *D.D.S., M.A.T., Professor Emeritus, Restorative Dentistry and Prosthodontics*

**Wheatcroft, Merrill G.**, *D.D.S., Professor Emeritus, Diagnostic and Biomedical Sciences*

