

ADVANCED EDUCATION PROGRAMS



**ADVANCED
EDUCATION
MANUAL
&
COURSE CATALOG
2018-2019**



Advanced Education Manual and Course Catalog 2018-2019

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***Welcome to
The University of Texas School of Dentistry at Houston
2018-2019***



Message from Dean John A. Valenza, D.D.S.

On behalf of the faculty, staff and administration of The University of Texas School of Dentistry (UTSD) at Houston, welcome to the 2018-2019 academic year!

Our advanced education programs in endodontics, general dentistry, general practice, oral and maxillofacial surgery, orthodontics, pediatric dentistry, periodontics and prosthodontics are among the best in the nation, which is why we have chosen you — the best of the best — to sustain our tradition of excellence in patient care, education and research. UTSD recently adopted a new vision statement: “Improving Oral Health ... Improving Overall Health,” and in time, you will be the ones who make it happen.

I encourage you to read this manual and refer to it often during your studies, as it contains a wealth of information to help you be successful. Additionally, check our website, <https://dentistry.uth.edu>, regularly for UTSD news, events, updates and other information.

Please accept my best wishes for a great year and continued success along your path of learning. We’re delighted you are here!

Warmest regards,

A handwritten signature in black ink, appearing to read "J. Valenza". The signature is fluid and cursive.

John A. Valenza, D.D.S.

Dean

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

INTRODUCTION

Our school's distinguishing characteristics are clinical excellence, innovation and discovery; a team-oriented culture; and the drive to be the best. These and other attributes provide numerous opportunities for the school to improve the lives and health of humankind. This Strategic Plan presents our goals and strategies for realizing our school's vision and mission over the next five years.

VISION STATEMENT

Improving Oral Health ... Improving Overall Health

MISSION STATEMENT

To improve human health by providing high-quality education, patient care and research in oral health for Texas, the nation and the world.

CORE VALUES

We are committed to:

- Collaboration
- Diversity and Inclusion
- Excellence
- Innovation
- Integrity
- Leadership
- Respect
- Responsibility
- Service

Strategic Goal 1: Our **PEOPLE** – faculty, staff and students – will be our highest priority and most valuable asset

Strategic Goal 2: We will serve our **COMMUNITY** of patients, health care professionals, alumni and the public at our highest level

Strategic Goal 3: We will be **LEADERS** in dentistry through the **ACADEMIC PURSUIT** of advances in education, patient care and research

Strategic Goal 4: We will grow our **REPUTATION** as a world-class school of dentistry

Strategic Goal 5: **FISCAL STRENGTH** will be our foundation to realize our strategic goals.

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Calendar For Advanced Education Programs

2018

Summer Session

July 1	Session Begins--All programs
July 4	HOLIDAY--Independence Day
August 10	Session Ends

Fall Semester

August 13	Session Begins--All programs
September 3	HOLIDAY--Labor Day
November 22-23	HOLIDAYS--Thanksgiving
December 14	Session Ends

2019

Spring Semester

January 2	Session Begins--All programs
January 21	HOLIDAY--Martin Luther King Day
March 18-22	Spring Break
May 17 *	Graduation
May 27	HOLIDAY--Memorial Day
June 28	Session Ends

(Thesis due in Office of Student and Academic Affairs-original thesis committee signature sheet and electronic submission completion form)

Notes: *Tentative

1. *Course lists are prepared by program directors on a semester basis and provided to the Advanced Education students before registration. All graduate students are expected to register for courses as directed by the respective Program Director.*
2. *For information regarding registration and fee payments contact the Registrar's Office located at 7000 Fannin St., Suite 2250, (713)500-3361; 1-800-575-8710 or through Website address: <https://www.uth.edu/registrar/>*

The Bursar's Office has the responsibility for the collection of student tuition and fees. Bursar's Office is located at the University Center Tower, 7000 Fannin St., Suite 2240, Houston, Texas 77030, 713-500-3088.

3. *Holidays are subject to change.*

RESOURCES

	RM#	EXT#
John A. Valenza, DDS, <i>Dean</i>	6350	4021
Robert Spears, MS, PhD <i>Associate Dean of Student & Academic Affairs</i>	4120	4166
Joe T. Morrow, <i>Associate Dean for Management</i>	6342	4025
Kimberly Ruona, DDS, <i>Associate Dean for Patient Care</i>	3556	4014
Jacqueline Hecht, PhD, <i>Associate Dean for Research</i>	4416	4366
Muhammad F. Walji, PhD, <i>Associate Dean for Technology Services & Informatics</i>	4160	4275
Robin Weltman, DDS, MS, <i>Director of Advanced Education</i>	6470	4382
<u>General Practice and Dental Public Health</u>		
Gary Frey, DDS, Chair (Gary.N.Frey@uth.tmc.edu)	5330	4278
General Practice Residency (GPR)		
Michael M. Chan, DDS, <i>Program Director</i> (Michael.M.Chan@uth.tmc.edu)	5330	5815
General Dentistry (AEGD)		
Sudarath Kiat-Amnuay, DDS, MS, FAAMP, FACP, MS, <i>Program Director</i> (Sudarath.Kiat-Amnuay@uth.tmc.edu)	5330	4194
<u>Oral and Maxillofacial Surgery, Anesthesiology, and Oral Pharmacology</u>		
Mark E. Wong, DDS, Chair/Program Director (Mark.E.Wong@uth.tmc.edu)	6510	4125
<u>Orthodontics</u>		
Jeryl D. English, DDS, MS, Chair/Program Director (Jeryl.D.English@uth.tmc.edu)	5130	4119
<u>Pediatric Dentistry</u>		
Harold Henson, RDH, MEd, PhD Chair (Interim) (Harold.A.Henson@uth.tmc.edu)	6240	4395
Bhavini S Acharya BDS, MPH, <i>Program Director</i> (Bhavini.S.Acharya@uth.tmc.edu)	HMC 460	8222
<u>Restorative Dentistry and Prosthodontics</u>		
Ryan Quock, DDS, Chair (Interim) (Ryan.Quock@uth.tmc.edu)	5438	4276
Donald M. Belles, DMD, MS, FACP, <i>Program Director</i> (Donald.M.Belles@uth.tmc.edu)	5350	4274
<u>Endodontics</u>		
Renato M. Silva, DMD, MS, Chair (Renato.M.Silva@uth.tmc.edu)	6400	4226
Timothy C. Kirkpatrick, DDS, <i>Program Director</i> (Timothy.C.Kirkpatrick@uth.tmc.edu)	6400	4227
<u>Periodontics</u>		
Nikola Angelov, DDS, MS, PhD Chair (Nikola.Angelov@uth.tmc.edu)	6470	4073
Robin L. Weltman, DDS, MS, <i>Program Director</i> (Robin.L.Weltman@uth.tmc.edu)	6470	4382

INTRODUCTION

The Advanced Education Manual and Course Catalog has been designed to provide advanced education students with a readily available source of information about the School of Dentistry graduate/postgraduate curriculum, academic policies, available services, and other items of interest. Further details regarding policies and procedures are found in the School of Dentistry Catalog, the UTHSC-H Handbook of Operating Procedures, individual Program Manuals and the UT Systems Board of Regents Rules and Regulations. Analogous material regarding clinical activities is found in the *Clinic Procedures and Operations Manual*. Because this information is essential to function successfully within the curriculum, students are expected to be familiar with the material contained in the Manual and keep it available for reference throughout the year. The Manual is also available on the School of Dentistry Web site, <https://dentistry.uth.edu/>. Failure to abide by the information set forth in the Manual renders a student subject to academic or disciplinary action. Circumstances may dictate a change in the Manual in the future. If such changes occur, students will be appropriately notified. Should any additional information or clarification be required, students are encouraged to contact the Office of Student & Academic Affairs/Director of Advanced Education.

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's 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 treatment received by patients or 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.

Additional information regarding accreditation standards and the complaint process may be found at the following URL: <http://www.ada.org/en/coda/accreditation>

GENERAL INFORMATION

PROGRAMS

The School of Dentistry offers three types of programs which are designed for the dentist who wishes to pursue advanced education. These programs are: graduate (degree and certificate), postgraduate (certificate), and residency (certificate).

Graduate

The graduate program leads to a Master of Science in Dentistry (MSD) degree and a certificate in a specialty area of dentistry. Programs are designed to meet the eligibility requirements for examination by the particular American Specialty Board and accreditation standards of the American Dental Association Commission on Dental Accreditation. The following clinical specialties are offered: **Endodontics**, **Periodontics**, and **Prosthodontics**.

The curriculum in the graduate programs varies between programs based upon discipline specific requirements. Orientation in research methodology and human subjects research is required for students pursuing a graduate degree. A thesis is required, and the total length of the program varies with the area of specialty. The minimum period of time is five or six academic semesters and three summer sessions, depending on the requirements of the particular specialty. Graduate programs are combined programs and under no circumstances are the Degree and Certificate awarded separately.

Postgraduate

The postgraduate program leads to a certificate in general dentistry or a specialty area and an *optional* Master of Science in Dentistry degree consisting primarily of basic science courses, clinical science courses and seminars, 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 (AEGD)** and the **General Practice Residency (GPR)**. A thesis is required for the Master of Science in Dentistry degree. Orientation in research methodology and human subjects' research is required for students pursuing a specialty certificate. 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.

Residency

Residency programs lead to a certificate 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 specialty program offered is in **Oral and Maxillofacial Surgery**. Four-year certificate and six-year combined MD/certificate Oral and Maxillofacial Surgery programs are included. The award of certificate is contingent upon satisfactory completion of all program requirements.

EXPENSES

Tuition

The Texas resident tuition rates for 2017-2018 are approximately \$144 per semester credit hour. Tuition rates for non-residents are approximately \$552 per semester hour. Tuition and fee payments for the **summer session** are due in full at the time of registration. Tuition for the **fall and spring semesters** may be paid by one of the following options: (1) Full payment of tuition and fees in advance of the beginning of the semester or (2) One-half payment of tuition and fees in advance of the beginning of the semester, one-fourth payment prior to the start of the sixth class week, and one-fourth payment of tuition and fees prior to the start of the eleventh class week. A \$20.00 installment payment fee will be assessed each semester a

student uses the payment option above. A late payment fee of \$15.00 will be applicable to the initial payment if late. A \$10.00 charge will be assessed for any subsequent delinquent installment payment. Students who fail to make full payment of tuition and fees, including any incidental fees, by the due date shall be prohibited from registration until full payment is made. A student who fails to make payment prior to the eleventh week may not receive credit for the work done during the semester or dropped from enrollment. University records may be adjusted to reflect the failure of the student to have properly enrolled for that semester. The University will not release the grades, degrees or official transcripts of any student who fails to pay tuition and fees owed to the University.

Tuition and fees are subject to change according to the actions of the Texas State Legislature, the UT Board of Regents, changes in the academic program requirements or administrative decision of the School of Dentistry at Houston.

Thesis

Students registered for thesis credit only will pay tuition and fees as follows: Current tuition and student services fee rates based on 2.0 semester hours per semester. The professional liability fee and certain other fees may be waived by the Director of Advanced Education upon written request of the student. Such requests should be made before the due date for tuition payment.

FEES

<i>Late Registration Fee:</i>	A \$25.00 fee will be required of those students who fail to register on the date designated in the school calendar.		
<i>Installment Fee:</i>	A \$20.00 fee for using the installment plan.		
<i>Delinquent Fee:</i>	A \$15.00 fee will be assessed for delinquent installment payments.		
<i>Laboratory Fee:</i>	Charges are listed per course as follows:		
	DBPG 1101	Anatomy-Head & Neck	\$500.00
	DBPG 1112	Advanced Oral Histology	\$12.50
<i>Technology Resource Fee:</i>	\$1,490.00 / annually		
<i>Library Resource Center Fee:</i>	\$150.00 / annually		
<i>Info Technology Access fee:</i>	\$33.00 / semester		
<i>Instrument Sterilization Fee:</i>	\$2500.00 / annually (as per program requirement)		
<i>Graduation Fee:</i>	\$75.00 due by registration of the first semester in the final year. This does not include regalia.		
<i>Professional Liability:</i>	Varies by specialty program. Current rates range from \$675 - \$935.		
<i>Student Service Fee:</i>	The Student Service fee, required of all students, is assessed on a per semester credit hour basis with a maximum charge of \$205.70 per fall or spring semester or \$121.25 per summer semester. If a student enrolls in more than one summer session, the maximum fee will be \$113.05. The fee provides student activities, outpatient care by UT Medical School Student Health Service, recreational facilities, counseling and shuttle bus service. Optional family coverage is available.		
<i>Transcript Fee:</i>	\$5.00 per transcript.		
<i>Health Insurance:</i>	UT System requires all students at Academic Health Centers to carry hospitalization insurance. Current UT Health Insurance fee is an estimated \$2185.00/annually. The fee may be waived upon presentation of other coverage on a semester basis no later than the 12 th class day. Visit https://www.uth.edu/registrar/ and click on "forms".		

FINANCIAL AID

The University of Texas Health Science Center at Houston has loan funds available for qualified advanced education students. The office is located in the University Center Tower, 7000 Fannin, Room 2220. Application forms and complete information may be obtained from:

The Office of Student Financial Services
The University of Texas
Health Science Center at Houston
P. O. Box 20046
Houston, TX 77225-0036
(713) 500-3860

Online website <https://www.uth.edu/sfs/>

SCHOLARSHIPS

There are several scholarships available to the advanced education students at the School of Dentistry. The Heyl G. Tebo Endowed Scholarship is awarded annually. The recipient(s) are selected by the Advanced Education Committee. Recommendations of the committee are then forwarded to the Dean. To be eligible for consideration, the applicant must have completed the first year of his/her advanced education program. Selection criteria include academic excellence, clinical excellence, professionalism, and financial need. Preference is given to native-born Texans. Applications are available from the Program Director and the Office of Advanced Education/Student & Academic Affairs.

POLICIES AND RESPONSIBILITIES

Conduct and Discipline

As a component of The University of Texas System and The University of Texas Health Science Center at Houston, the School of Dentistry is responsible for enforcing the policies for student conduct and discipline as provided in the *Board of Regents' Rules and Regulations*, Part One, Chapter VI, Section 3. The Associate Dean for Student and Academic Affairs of the School of Dentistry is responsible for executing these policies. All students are responsible for knowing and observing these regulations. The complete text of the *Board of Regents' Rules and Regulations* is available through the UT System web site: (<http://www.utsystem.edu/offices/board-regents/regents-rules-and-regulations>).

Students are expected to abide by state and federal law, *the Board of Regents' Rules and Regulations*, the specific manual policies of both the Health Science Center and the administration of the School of Dentistry and policies appearing in program, and show respect for properly constituted authority while observing correct standards of conduct. Any student must provide his/her name, address, and student status if questioned by a representative of the School of Dentistry or Health Science Center. Violation of any of these, or a failure to maintain a minimum standard of conduct, renders a student subject to disciplinary action, including suspension.

The following actions are specifically listed as grounds for student discipline:

- engaging in conduct prohibited by law or The UT System rules, whether the conduct takes place on or off campus
- appropriating university resources for private gain
- computer hacking
- altering official records
- cheating on course work
- defacing or destroying university property
- engaging in speech likely to invite lawless action
- hazing
- engaging in conduct that threatens the health or safety of any person on campus

- obstructing or interfering with teaching or research
- illegally using, possessing or selling drugs or narcotics on campus

In addition to the offenses listed, the university reserves the right to bring disciplinary action against students for conduct not included on the list.

The use, possession, or distribution of alcohol by individuals on the premises of The University of Texas Health Science Center at Houston (UTHSCH) is prohibited. Alcoholic beverages may be served at University-sponsored events when the sponsors comply with relevant UTHSCH policies.

Students have the rights of assembly and free speech and may request the Dean of the School of Dentistry to specify places and conditions under which students and their organizations may petition, post signs, set up booths, or peacefully demonstrate. These rights and responsibilities also apply to extracurricular student activities on campus and to invited off-campus speakers while in the Health Science Center.

Solicitation is restricted in the Health Science Center. Sales and services are limited to those sponsored by organizations in accordance with the *Board of Regents' Rules and Regulations*.

The Associate Dean for Student and Academic Affairs of the School of Dentistry has the primary authority and responsibility for the administration of student discipline. It is the duty of the Associate Dean for Student and Academic Affairs to investigate allegations against students. In such cases, the Associate Dean for Student and Academic Affairs may proceed with disciplinary action, including immediate interim disciplinary action pending a hearing, or interim withholding of a student's grades, degree, or official transcript.

The Associate Dean for Student and Academic Affairs may summon the student for the purpose of discussing the allegations. If the Associate Dean for Student and Academic Affairs determines that the allegations are not unfounded, the student will be notified of the allegations. If a student fails to appear, hearing procedures may be implemented in the student's absence and the student may be barred from enrollment until the student appears or responds to the summons.

If the accused student does not dispute the facts upon which charges are based and executes a written waiver of the hearing procedures, the Associate Dean for Student and Academic Affairs shall assess a penalty and inform the student of such action in writing. The decision of the Associate Dean for Student and Academic Affairs may be appealed; however, the appeal is limited to the issue of penalty.

If the accused student disputes the facts upon which the charges are based, such charges shall be heard and determined by a fair and impartial hearing officer. The accused student will be given ten days notice by a written statement of the charges and a summary statement of the evidence supporting such charges. The hearing shall be conducted such that both parties have the right to exchange lists of witnesses, provide a summary of the testimony to be given by each and a copy of documents to be introduced at the hearing at least three days before the hearing. Each party shall have the right to appear and present evidence in person or through a designated representative or counsel of choice. Each party or the designated representative or counsel shall have the right to cross-examine witnesses. The hearing will be recorded. If either party desires to appeal the findings of the hearing, the record will be transcribed and both parties will be furnished a copy of the transcript.

The accused student may challenge the impartiality of the hearing officer up to three days prior to the hearing; however, the hearing officers shall be the sole judge of impartiality.

The hearing officer shall render and send to both parties a written decision containing findings of facts and conclusions as to the guilt or innocence of the accused student. Furthermore, the hearing officer shall assess a penalty or penalties as prescribed in the Board of Regents' Rules and Regulations.

Both parties may appeal the disciplinary action of the hearing officer to the President of the Health Science Center within fourteen days after notification of the decision. The President of the Health Science Center may approve, reject or modify the decision in question or may require that the original hearing be reopened. The decision of the President of the Health Science Center will be communicated in writing to the student

and Associate Dean for Student and Academic Affairs within 30 days after the appeal. This decision is not subject to the further appeal. Students who are placed on disciplinary probation are ineligible for financial aid.

A student neither loses the rights, nor escapes the responsibilities, of citizenship by matriculating at the School of Dentistry. Students who violate the law may incur penalties prescribed by civil authority and, if such violation occurs in the Health Science Center or in connection with a school activity, institutional penalties may be imposed, regardless of whether penalties have been imposed by civil authority for the same offense.

Students must maintain a high standard of individual honesty and integrity in their scholastic work in order to protect the value of the academic program being pursued. The School of Dentistry shall keep written records of disciplinary charges and actions separate from the student's academic record and they shall be treated as confidential. The contents of these records shall not be revealed except by the request of the student or in accordance with applicable state or federal laws.

Finally, students are expected to exhibit good moral character, a sense of social responsibility, knowledge of and adherence to ethical standards, good attitudes, and a level of professionalism usually exhibited by competent health professionals.

Sexual Harassment

It is the policy of the Health Science Center to maintain an educational environment free of sexual harassment and intimidation. The Equal Employment Opportunity Commission states that unwelcome sexual advances, requests for sexual favors, and other verbal, visual or physical conduct of a sexual nature constitute sexual harassment when (1) submission to such conduct is made, either explicitly or implicitly, a term or condition of an individual's employment or student admission, (2) submission to or rejection of such conduct by an individual is used as the basis for employment decisions or student evaluation affecting the individual, or (3) such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creating an intimidating, hostile, or offensive work or academic environment (Section 1604.11a). Academic sexual harassment is the use of authority to emphasize the sexuality or sexual identity of a student in a manner, which prevents or impairs that student's full enjoyment of educational benefits, climate, or opportunities.

Such conduct on the part of faculty, students or other employees is expressly prohibited and offenders are subject to disciplinary action. Students should also be aware that University personnel may make complaints against students under any of the above categories or for enticement, such as offering sexual favors to obtain unearned grades or other forms of reward.

The complete sexual harassment policy and complaint procedures for students and all UTHSCH personnel are contained in the *UTHSCH Handbook of Operating Procedures*, Section 2.04, p. 2-7, which is available in the Dean's Office and the Student Counseling Service. A brief summary of the process follows.

Discuss the general problem with the representative without giving specific names.

If you decide to make a formal complaint, you must do so in writing, including names.

The first action of the formal complaint mechanism is attempted mediation by Board representatives with both parties. If successful, a written agreement is signed and reviewed in six months.

If mediation fails, a panel of Sexual Harassment Board members who have not been involved with the complaint will make an investigation of the allegation.

If the Board determines that the charge is founded, the accused will be subject to appropriate disciplinary action, as outlined in the *UTHSCH Handbook of Operating Procedures*.

The accused may appeal disciplinary action through regular grievance procedures as published.

You may report sexual harassment to the EO Advisor in Human Resources:

Claudia Madrigal, Equal Opportunity Advisor
University Center Tower (UCT) Building
7000 Fannin, Ste. 150
Houston, TX 77046
713-500-3279
Claudia.M.Madrigal@uth.tmc.edu

or you may also make a report of sexual harassment to:

UTHSC-H Institutional Compliance Hotline
1-888-472-9868
www.tnwinc.com/webreport

Other Grievances

Grievances regarding general student life matters may be submitted to the Advanced Education Committee for consideration and, when appropriate, for mediation. Grievances that pertain to matters that are subject to the exclusive jurisdiction of other authorities or that are covered by other existing procedures and regulations (e.g., disciplinary matters such as academic dishonesty and student financial aid matters) will not be considered by the Advanced Education Committee.

Students may use the grievance procedure without fear of reprisal or penalty.

An aggrieved student who wishes to utilize the Student Grievance Procedure should take the following steps:

- STEP 1. Discuss the problem with the graduate advisor within fifteen (15) days of the occurrence. A recommendation should be conveyed to the student by the advisor within three (3) workdays after filing. If the recommendation is not given within that time or the student is not satisfied with the recommendation, the grievance may be pursued as provided in Step 2.
- STEP 2. The student must summarize in writing the details of the grievance and a statement of what outcome the student desires and submit to the Advanced Education Committee, through the Director of Advanced Education or Chair of the Advanced Education Committee, within three (3) working days after the Step 1 response is given. If the desired outcome is beyond the authority of the Committee, the student will be so notified, and the grievance will be forwarded to the appropriate person for handling. After the student submits the grievance to the Committee, and before the Committee meets to consider the grievance, the Chair of the Committee may gather additional information from any source to present to the Committee for deliberation. When the Committee meets to consider the grievance, the aggrieved student and/or respondent may be present at the meeting at the discretion of the Committee.

After meeting, the chair of the Committee should respond in writing to the student within fifteen workdays after initial Committee receipt of the written grievance. If the response is not given within that time or the student is not satisfied with the response, the grievance may be pursued as provided in Step 3.

- STEP 3. The aggrieved student may submit a written appeal to the Dean specifying the grounds upon which he/she feels that the committee's decision is in error. This written grievance, along with the findings and recommendations of the Committee will be forwarded to the Dean. The Dean may gather additional information. The Dean should respond to the student within ten (10) workdays. The decision of the Dean shall be final.

Copyright Infringement

The Copyright Act of 1976 prohibits unauthorized reproduction of copyrighted material. Students are specifically prohibited from unauthorized reproduction of textbooks and related material. Students who engage in such activity are subject to disciplinary action. A copy of Questions and Answers on Copyright for the Campus Community, the National Association of College Stores, Inc. and The Association of American Publishers, 1989, is available on reserve in the library.

Academic Integrity

It is imperative that students maintain high standards of integrity in their scholastic endeavors. It is the responsibility of the students and faculty to see that such standards are maintained. Scholastic dishonesty is the submission, as one's own, of material that is not one's own. As a general rule, it involves, but is not limited to, one of the following acts: cheating, plagiarism, and collusion.

Cheating is defined as receiving unauthorized aid on an examination, quiz, paper, or laboratory project such as:

- a) Copying from another student's test paper or laboratory project.
- b) Using unauthorized materials during a test.
- c) Possession of unauthorized material during a test-such as class notes, crib notes, etc. The presence of textbooks and/or other course material such as class notes, crib notes, etc. is prohibited for that test unless specifically allowed by the course coordinator.
- d) Knowingly using, buying, stealing, transporting, or soliciting, in whole or in part, the contents of an unreleased test.
- e) Collaborating with or seeking unauthorized aid from another student during a test.
- f) Substituting for another person, or permitting another person to substitute for oneself, when taking a test or performing a laboratory procedure, signing clinical patient records, class attendance records, or requisitions for supplies and materials.
- g) Bribing another person to obtain an unreleased test or information about an unreleased test.

Plagiarism means the appropriating, buying, receiving as a gift or obtaining by any means, another's work and the unacknowledged submission or incorporation of it into one's own written work and offered for credit.

Collusion means the unauthorized collaboration with another person in preparing academic assignments, which are offered, for credit.

The penalty for scholastic dishonesty, as described in the *Board of Regents' Rules and Regulations*, can be: disciplinary probation, withholding of transcript or degree, barring against readmission, failing grade, denial of degree, suspension from the institution for a period of time not to exceed one calendar year, or expulsion from the institution for a specific period of time not less than one year.

Suspected breaches of academic integrity will be reported to the Associate Dean for Student & Academic Affairs. Such breaches, if observed by students or faculty, are expected to be reported as soon as possible after the incident. If such charges are found to have merit, disciplinary proceedings will commence as described previously.

RELIGIOUS HOLY DAYS

"Religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20 of the Tax Code.

The School of Dentistry, in compliance with Section 51.911 of the Texas Education Code, will allow a student who is absent from classes for the observance of a religious holy day to take an examination or

complete an assignment scheduled for that day within a reasonable time after the absence if, no later than the fifteenth (15th) day of the semester, the student notifies the instructor of each class the student has scheduled on that date and that the student will be absent for a religious holy day. Notification shall be in writing and shall be delivered by the student personally to the instructor of each class with receipt of the notification acknowledged and dated by the instructor, or by certified mail, return receipt requested, addressed to the instructor of each class.

The instructor will establish a reasonable date for the completion of the assignment or examination and notify the student prior to the aforementioned holy day. A complete copy of the statute is available in the Office of Student and Academic Affairs.

DISABILITY ACCOMMODATION

The University of Texas Health Science Center at Houston (UTHealth) is committed to providing equal opportunities for qualified students with disabilities in accordance with state and federal law and UTHealth policy. The "Section 504 Coordinator" for The University of Texas School of Dentistry at Houston is the Associate Dean for Student Academic Affairs, through whom all requests for accommodation are made. Students are referred to the Handbook of Operating Procedures (HOOP) Policy number 101. See <https://www.uth.edu/hoop/index.htm>

SCHOOL OF DENTISTRY AVAILABILITY TIME

The School of Dentistry Building will normally be open from 7:30 am - 6:00 p.m., Monday through Friday. All doors will be secured at all other times. Doors have a magnetic security lock, which requires an UT-Houston identification badge for activation. UT-Houston identification badges will permit student entrance to the School of Dentistry Building from 6:00 a.m. to 10:00 p.m. on weekdays, weekends and holidays. Students must vacate the School of Dentistry Building by 12:00 midnight.

ID BADGES

ID badges are required to be visibly worn at all times by students, staff, and faculty when in the Health Science Center. Students who are not visibly wearing valid ID badges, or are unable to produce them upon request by the guard, may be subject to expulsion from the building. Students will be assessed a \$10.00 to \$20.00 replacement charge for lost or damaged identification badges.

STUDENT DIRECTORY

It is a student's responsibility to maintain up to date contact information. Any time a student's name or address changes, such information must be reported to the Office of Student and Academic Affairs by filling out the appropriate forms, available in the Office of Student and Academic Affairs or by accessing the UT website at <https://www.uth.edu/registrar/forms.htm>

WITHDRAWAL AND LEAVE OF ABSENCE

Any student who does not intend to continue as a student must officially withdraw. Students who wish to withdraw must complete a Student Exit Form and a Checkout Sheet, which are available in the Office of Student and Academic Affairs. Following an exit interview, the student then obtains appropriate clearance on the Checkout Sheet and returns it to the Office of Student and Academic Affairs. Completion of this process constitutes official withdrawal.

Any student who wishes to stop attending classes temporarily, intending to continue studies at a later date, must submit a written request for leave stating the reason for the request, the length of leave requested, and the date for resuming studies to the Program Director. Upon receipt of the written request for leave of absence, the Program Director should consult with the Director of Advanced Education and the Associate Dean for Student & Academic Affairs for the prescribed make up of missed work. The written request will

document when the missed time will be made up and then submitted to the Director of Advanced Education for approval through the Associate Dean for Student & Academic Affairs Office.

INFORMATION AND REFERRAL SERVICES

The Health Science Center and various civic organizations provide a variety of information and referral services, frequently at no cost to students. UT Counseling & WorkLife Services (713-500-3327) provides counseling and short-term therapy needs for students at no charge. Services include evaluation, individual and marital/couple counseling, and group therapy. All records are kept confidential to the extent allowed by the law. Individuals who require long-term therapy are referred to the Department of

Psychiatry at The University of Texas Medical School at Houston. The Student Counseling Service also offers outreach and preventive services such as stress reduction workshops and support groups, to enhance adjustment to professional schools.

The Houston Area Women's Center (713-528-6798) provides a shelter for abused women and children and a 24-hour rape crisis line (713-528-7273). The center also sponsors the Women's Information Referral and Exchange Service (WIRES), (713-528-2121) which is a telephone services providing information and referral to day care centers and agencies dealing with drug abuse, alcoholism, sex education, problem pregnancies, psychological counseling, etc.

UT Counseling & WorkLife Services (713-500-3327) and the UT Medical School Department of Psychiatry and Behavioral Sciences (713-486-2500) provide substance abuse counseling, referral and treatment.

Information on the "Student Substance Abuse Policy of The University of Texas Health Science Center at Houston" is available online at <https://www.uth.edu/hoop/policy.htm?id=1448194>. For further information about the policy, contact Health Services (713-500-5171).

A comprehensive policy dealing with the Acquired Immune Deficiency Syndrome (AIDS) has been developed by UTHSCH. Information on, "AIDS in the Workplace", is available online at <https://www.uth.edu/hoop/index.htm>. For further information, contact Health Services (713-500-5171).

For information regarding sexual harassment services, see the Sexual Harassment section.

Other agencies and the telephone numbers that may be helpful are:

The League of Women Voters	713-784-2923
Planned Parenthood Center	1-800-230-PLAN
Texas Department of Human Resources	713-692-3236

LIBRARY AND LEARNING COMMONS (LLC)

The School of Dentistry Library and Learning Commons has a wide collection of books, journals and electronic resources focusing primarily on dentistry and basic sciences. The LLC participates in the Texas Health Science Library Consortium (THSLC), which provides a shared online catalog and access to print collections at all member libraries. Students, staff and faculty of the School of Dentistry may also access electronic resources of The Texas Medical Center Library using Blackboard/UT email credentials. In addition, the LLC participates in several other resource sharing activities, which helps make a wide variety of information available to its users.

The LLC has 11 computers available for use, as well as an 18-computer Training Room Access to e-mail, work-processing, the Internet, databases and online catalog, statistics software, and other resources are available to students, faculty and staff affiliated with the School of Dentistry. The UT-Houston picture ID badge also serves as the THSLC library card, honored at all THSLC member libraries. This badge is valid until graduation. Students must present this badge at the front desk of the LLC when checking out materials. In addition, students are responsible for all materials charged against their UT-Houston picture ID badge.

Hours for the School of Dentistry Library and Learning Commons during Fall/Spring Semesters:

Monday-Thursday	7:30 am - 9:00 p.m.
Friday	7:30 am – 5:00 p.m.
Saturday	9:00 am - 5:00 p.m.
Sundays	Closed

During the summer break, the LLC hours are 8:00 am - 5:00 p.m., Monday through Friday. The LLC is closed on all scheduled UT holidays.

Telephone: 713-486-4094
FAX: 713-486-4100
E-mail: Janet.Peri@uth.tmc.edu
URL: <http://libguides.dentistry.uth.edu/generalinformation>

Technology Services and Informatics

Computer and network support at the School of Dentistry is provided jointly by the School of Dentistry Technology Services & Informatics (TSI) department and the UTHealth Information Technology (IT) department <https://www.uth.edu/it/>. All support questions and problems, such as login, passwords, email, access issues, etc., should be directed to the University's Help Desk at 713-486-4848, or online at helpdesk@uth.tmc.edu (requires direct connection to UTH network or use of VPN). Information about school resources are available through the the School of Dentistry web site. <https://dentistry.uth.edu/>. Available electronic resources and services provided by the School of Dentistry TSI and IT include:

- Internet access (wired, wireless and remote)
- Email
- Desktop/laptop support
- Blackboard (course management system)
- Electronic instructional development (e.g., PowerPoint)
- Electronic Health Record (EHR)
- Clinical Simulation & Learning Center (CSLC)
- Electronic testing, online course evaluation
- Electronic lecture capture and video streaming
- Online catalogs/journals and other resources via School of Dentistry and HAM-TMC library
- Web Development
- Document scanning

Instructional Media Systems

Patient photography is available on a limited basis to postdoctoral students in room 4160. The office also provides assistance with preparation of table clinic and poster presentations.

Bookstore

The School of Dentistry Bookstore (713-486-4450) is located on the 2nd floor near the elevators, Room 2002. The Dental Bookstore stocks required and recommended textbooks, reference books, dental supplies and instruments, including student kits. The store also stocks school supplies, candy and snacks. You will also find a good stock of scrubs, UTSOD T-Shirts, Polos and Hoodies as well as cups, caps and other gift items. The knowledgeable staff is always ready to assist you and items that are not in stock can be special ordered. The store is open from 8:00 am - 4:30 p.m., Monday through Friday and is closed from 12:30-1:00 for lunch.

Books and equipment that are not in stock may be special-ordered for a nominal deposit. A knowledgeable staff is always present and looks forward to assisting you with your purchases.

Included among its many services, the Bookstore offers film processing and special event tickets arranged for by UT-Houston People Works. Finally, the UT Bookstore coordinates ordering of graduation invitations, academic regalia, and school rings.

ACADEMIC STANDARDS

GRADING SYSTEM

The conversion of numerical grades to letter grades is as follows: A=100-94, B=93-85, C=84-76, D=75-70, F=69 and below.

Letter grades are given for basic and clinical science courses. A grade of "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" indicates unfinished work.

Research, thesis, seminars, special project course, literature survey and comprehensive oral examinations are graded with 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 and/or additional work to the satisfaction of the course director. It is the responsibility of the student to contact the teacher within ten (10) school days to arrange for remedial action. Once re-examination is permitted, the final grade, with a ceiling of "C", will be the average of the "F" and the remake grade. At the discretion of the instructor, a student may be required to repeat a course.

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 course director. Failure to remove the "I" will result in a grade of "F".

A student may withdraw from a course with permission of the department chair up to the midpoint of the semester. A grade of "WP" (withdrew passing) or "WF" (withdrew failing) will be assigned to indicate status. Students on academic probation may not withdraw after the first two weeks of a course. With permission, registered students may audit courses without credit; however, appropriate fees must be paid.

GRADE REQUIREMENTS

To receive a Master of Science in Dentistry degree and/or postgraduate certificate in an advanced education program, a graduate/postgraduate student must have a least a "B" (3.0) grade point average. A minimum grade of "C" must be attained in all courses. Students not meeting this standard will be required to retake the course at its next offered time.

A student will be placed on academic probation at the end of any semester when the 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 of two grades of "F", and (4) for serious scholastic and professional difficulties as determined by the department and administration.

REVIEW OF ACADEMIC ACTIONS

A student who wishes a review of an academic action that affects their standing in the program should first inquire whether their program has an existing review procedure. For programs without specific review procedures the following procedures will apply.

Students may appeal any academic action to the Associate Dean for Student & 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 Student & Academic Affairs grants the appeal, the following process will apply.

The Associate Dean for Student & Academic Affairs will refer the appeal to an ad hoc appeals 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 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 fifteen (15) working days of the final committee meeting. The student will be notified of the Dean's decision within five (5) working days following receipt of the committee's recommendations. The Dean's decision is final.

CURRICULUM

Basic and clinical science courses, conferences, hospital rotations and clinical conferences are offered which meet the requirements for examination by the various American Specialty Boards and Commission on Dental Accreditation, respectively. 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 according to the changing requirements by the various American Specialty Boards and/or Commission on Dental Accreditation. Availability of courses for a given semester is determined by the official schedule of classes published by the registrar's office.

NOTE: *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. offered during orientation*

SUMMER SESSIONS

DBPG 1001	Conscious Sedation I
DBPG 1101	Anatomy - Head and Neck
DBPG 1304	Oral Biomaterials - Endodontics
DBPG 1804	Pulp Biology
DBPG 1911A	Research (<i>by department section</i>)
DBPG 1911B	Research (<i>by department section</i>)
DBPG 1911C	Research (<i>by department section</i>)
DBPG 1912A	Thesis (<i>by department section</i>)
DBPG 1920	Applied Sciences II
DBPG 2002A	Endodontic Clinic II
DBPG 2003A	Endodontic Clinic III
DBPG 2004A	Preclinical Graduate Endodontics
DBPG 4001A	OMS Seminar
DBPG 4003A	OMS Clinical-Pathologic Conference (CPC)
DBPG 5001A	Orthodontic Clinic I
DBPG 5002A	Orthodontic Clinic II
DBPG 5003	Orthodontic Clinic III
DBPG 5010	Topics in Orthodontics I
DBPG 5013	Topics in Orthodontics IV
DBPG 6001A	Topics in Pediatric Dentistry I
DBPG 6001D	Topics in Pediatric Dentistry II
DBPG 6005A	Pediatric Clinic I
DBPG 6006A	Pediatric Clinic II
DBPG 6007C	Current & Classical Literature Review in Pediatric Dentistry II
DBPG 7001A	Periodontal Clinic I
DBPG 7002A	Periodontal Clinic II
DBPG 7003A	Periodontal Clinic III
DBPG 8002A	Prosthodontic Clinic II
DBPG 8005A	Prosthodontic Clinic III
DBPG 8010	Graduate Prosthodontics I
DBPG5352	Biostatistics for Dental Professionals

FALL SEMESTERS

DBPG 1002	Conscious Sedation II
DBPG 1007	Practice Management
DBPG 1009	Interdisciplinary Research Seminar I
DBPG 1011	Interdisciplinary Research Seminar III
DBPG 1081	Oral Biomaterials I
DBPG 1106	Cell/Developmental Biology
DBPG 1110	Oral Biology: Development, Structure and Function of Oral Tissues
DBPG 1115	Advanced Basic Sciences I
DBPG 1305	Oral Biomaterials - Orthodontic Biomechanics and Materials
DBPG 1612	Graduate Oral Pathology
DBPG 1911A	Research (<i>by department section</i>)
DBPG 1911B	Research (<i>by department section</i>)
DBPG 1911D	Research (<i>by department section</i>)
DBPG 2001A	Endodontic Clinic I
DBPG 2002B	Endodontic Clinic II
DBPG 2006A	Topical Seminar in Endodontics
DBPG 2006C	Topical Seminar in Endodontics
DBPG 2008A	Current Literature Seminar
DBPG 2008C	Current Literature Seminar
DBPG 4001B	Oral and Maxillofacial Surgery Seminar
DBPG 4002A	Orthognathic Seminar
DBPG 4002C	Orthognathic Seminar
DBPG 4003B	OMS Clinical-Pathologic Conference
DBPG 5001B	Orthodontic Clinic I
DBPG 5002B	Orthodontic Clinic II
DBPG 5005A	Current and Classical Literature in Orthodontics I
DBPG 5005C	Current and Classical Literature in Orthodontics III
DBPG 5011	Topics in Orthodontics II
DBPG 5014	Topics in Orthodontics V
DBPG 5017	Craniofacial Growth & Development II
DBPG 6001B	Topics in Pediatric Dentistry I
DBPG 6001E	Topics in Pediatric Dentistry II
DBPG 6005B	Pediatric Clinic I
DBPG 6006B	Pediatric Clinic II
DBPG 6007A	Current & Classical Literature Review in Pediatric Dentistry I
DBPG 6007D	Current & Classical Literature Review in Pediatric Dentistry II
DBPG 6017	Pediatric Seminar in Craniofacial Development II
DBPG 7001B	Periodontal Clinic I
DBPG 7002B	Periodontal Clinic II
DBPG 7003B	Periodontal Clinic III
DBPG 7009A	Topics in Periodontics
DBPG 7009C	Topics in Periodontics
DBPG 7009E	Topics in Periodontics
DBPG 8001A	Prosthodontic Clinic I
DBPG 8002B	Prosthodontic Clinic II
DBPG 8005B	Prosthodontics Clinic III

SPRING SEMESTER

DBPG 1008	Graduate Oral Radiology
DBPG 1010	Interdisciplinary Research Seminar II
DBPG 1012	Interdisciplinary Research Seminar IV
DBPG 1091	Oral Biomaterials II
DBPG 1116	Advanced Basic Sciences II
DBPG 1911A	Research (<i>by department section</i>)
DBPG 1911B	Research (<i>by department section</i>)
DBPG 1911E	Research (<i>by department section</i>)
DBPG 1912A	Thesis (<i>by department section</i>)
DBPG 2001B	Endodontic Clinic I
DBPG 2002C	Endodontic Clinic II
DBPG 2003D	Endodontic Clinic III
DBPG 2005	Endodontic Surgery
DBPG 2006B	Topical Seminar in Endodontics
DBPG 2006D	Topical Seminar in Endodontics
DBPG 2006F	Topical Seminar in Endodontics
DBPG 2008B	Current Literature Seminar
DBPG 2008D	Current Literature Seminar
DBPG 2008F	Current Literature Seminar
DBPG 4001C	Oral & Maxillo Surgery Seminar
DBPG 4002B	Orthognathic Seminar
DBPG 4002D	Orthognathic Seminar
DBPG 4003C	OMS Clinical-Path Conference
DBPG 5001C	Orthodontic Clinic I
DBPG 5002C	Orthodontic Clinic II
DBPG 5005B	Current and Classical Literature in Orthodontics II
DBPG 5005D	Current and Classical Literature in Orthodontics IV
DBPG 5012	Topics in Orthodontics III
DBPG 5015	Topics in Orthodontics VI
DBPG 5016	Craniofacial Growth & Development I
DBPG 5020	Orthodontic Practice Management (odd years)
DBPG 6001C	Topics in Pediatric Dentistry I
DBPG 6001F	Topics in Pediatric Dentistry II
DBPG 6005C	Pediatric Clinic I
DBPG 6006C	Pediatric Clinic II
DBPG 6007B	Current & Classical Literature Review in Pediatric Dentistry I
DBPG 6007E	Current & Classical Literature Review in Pediatric Dentistry II
DBPG 6016	Pediatric Seminar in Craniofacial Development I
DBPG 7001C	Periodontal Clinic I
DBPG 7002C	Periodontal Clinic II
DBPG 7003C	Periodontal Clinic III
DBPG 7008	Dental Implant Lecture Series
DBPG 7009B	Topics in Periodontics
DBPG 7009D	Topics in Periodontics
DBPG 8001B	Prosthodontic Clinic I
DBPG 8002C	Prosthodontic Clinic II
DBPG 8005C	Prosthodontic Clinic III
DBPG 8006A	Periodontic/Prosthodontic Conference I
DBPG 8006B	Periodontic/Prosthodontic Conference II
DBPG 8006C	Periodontic/Prosthodontic Conference III

COURSE DESCRIPTIONS

BASIC SCIENCES

Core Curriculum

DBPG 1115 Advanced Basic Sciences I. Meyers. 3 SH. FALL

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

Anatomical Sciences

DBPG 1101 Anatomy: Head and Neck. Warner 3 SH. SUMMER

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

DBPG 1106 Cell Developmental Biology. Kasper. 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. Kasper. 1 SH. FALL

Students will be provided with 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.

Oral Biomaterials

DBPG 1304 Oral Biomaterials - Endodontics. Jaramillo. 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 will complete in the fall semester.

DBPG 1305 Oral Biomaterials-Orthodontic Biomechanics & 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. .

DBPG 1081 Oral Biomaterials I. Paravina. 1 SH. FALL

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

DBPG 1091 Oral Biomaterials II. Ontiveros. 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.

Stomatology

DBPG 1612 Graduate Oral Pathology. Ogbureke . 2 SH. FALL

This course is comprised of advanced lectures in oral and maxillofacial 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.

Physiology

DBPG 1804 Pulp Biology. Silva. 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.

Non-Departmental

DBPG 1911A-E (by dept. sections) Research. Faculty Committee. Variable 1-6 SH.

Research activity usually includes registration for two (1) - four (4) hours of credit per semester, beginning either in the spring of the year preceding graduation or fall of the terminal year. A minimum of four (4) semester hours is required for all degree programs, except Periodontics which requires six (6). Refer to Graduation Requirements for additional information.

DBPG 1912A&C (by dept. sections) 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 clinically applied specialty area as early as possible. The department chairperson appoints a thesis committee chairperson knowledgeable in the area of research chosen. Other members of the thesis committee are chosen by the department chairperson and the thesis committee chairperson.

DBPG 1920 Applied Sciences II. Melchor. 2 SH. SUMMER

This course provides the advanced student with the opportunity to understand the principles of (1) ethics, (2) jurisprudence and risk management, (3) behavioral sciences and (4) education and teaching methodology.

DBPG 5352 Biostatistics for Dental Professionals. Neumann. 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 tests of significance, and tests of measures of association.

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 assessment. 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; however, 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 requirement for Conscious Sedation II.

DBPG 1007 Practice Management. Weltman. 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. Zhang. 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. Kasper. 1 SH. FALL

This seminar series exposes the graduate student to the various research projects occurring in other disciplines in both 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 both first- and second-year orthodontic residents for both fall and spring semesters.

DBPG 1010 Interdisciplinary Research Seminar II. Kasper. 1 SH. SPRING

This seminar series exposes the first year graduate student to the various research projects occurring in other disciplines in both 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 I (DBPG 1009) is a prerequisite for this course.

DBPG 1011 Interdisciplinary Research Seminar III. Kasper. 1 SH. FALL

This seminar series exposes the second year graduate student to the various research projects occurring in other disciplines in both the School of Dentistry as well as other areas of the Texas Medical Center. Presentations will be given by graduate students as well as guest scientists from other institutions in the Texas 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.Kasper. 1 SH. SPRING

This seminar series exposes the second year graduate student to the various research projects occurring in other disciplines in both 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 III (DBPG 1011) is a prerequisite for this course.

Endodontics**DBPG 2004A Preclinical Graduate Endodontics. Kirkpatrick. 1SH. 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. Silva. 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 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 2006A Topical Seminar in Endodontics. Kirkpatrick. 1 SH. FALL

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 2006B Topical Seminar in Endodontics. Kirkpatrick. 1 SH. SPRING

A continuation of topical seminar presented in DBPG 2006A.

DBPG 2006C Topical Seminar in Endodontics. Kirkpatrick. 1 SH. FALL

A continuation of topical seminar presented in DBPG 2006B.

DBPG 2006D Topical Seminar in Endodontics. Kirkpatrick. 1 SH. SPRING

A continuation of topical seminar presented in DBPG 2006C.

DBPG 2008A Current Literature Seminar. Letra. 1 SH. FALL

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

DBPG 2008B Current Literature Seminar. Letra. 1 SH. SPRING

A continuation of current literature seminar presented in DBPG 2008A.

DBPG 2008C Current Literature Seminar. Letra. 1 SH. FALL

A continuation of current literature seminar presented in DBPG 2008B.

DBPG 2008D Current Literature Seminar. Letra. 1 SH. SPRING

A continuation of current literature seminar presented in DBPG 2008C.

Oral and Maxillofacial Surgery

DBPG 4001A OMS Seminar. Wong. 1 SH. SUMMER

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 4001B OMS Seminar. Wong. 1 SH. FALL

A continuation of oms seminar presented in DBPG 4001A.

DBPG 4001C OMS Seminar. Wong. 1 SH. SPRING

A continuation of oms seminar presented in DBPG 4001B.

DBPG 4002A Orthognathic Conference. English. 1 SH. FALL

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 orthodontic preparation of patients for orthognathic surgery, surgical procedures, distraction techniques and the management of syndromic patients.

DBPG 4002B Orthognathic Conference. English. 1 SH. SPRING

A continuation of orthognathic conference presented in DBPG 4002A.

DBPG 4002C Orthognathic Conference. English. 1 SH. FALL

A continuation of orthognathic conference presented in DBPG 4002B.

DBPG 4002D Orthognathic Conference. English. 1 SH. SPRING

A continuation of orthognathic conference presented in DBPG 4002C.

DBPG 4003A Clinico-Pathlogic Conference (CPC). Gilbert. 1 SH. SUMMER

The CPC is a 20 - 30 minute presentation incorporated into the Department of Oral and Maxillofacial Surgery's weekly Methodist meeting. Interesting pathology cases are presented using a clinical approach. Emphasis is made 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.

DBPG 4003B Clinico-Pathlogic Conference (CPC). Gilbert. 1 SH. FALL

A continuation of clinic-pathlogic conference (cpc) presented in DBPG 4003A.

DBPG 4003C Clinico-Pathlogic Conference (CPC). Gilbert. 1 SH. SPRING

A continuation of clinic-pathlogic conference (cpc) presented in DBPG 4003B.

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 and 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 and 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. 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 resident assigned that article. A short question and answer discussion follow each abstract presentation. Current and Classic Literature in Orthodontics II (DBPG 5005B) is a prerequisite for this course.

DBPG 5005D Current and Classical Literature in Orthodontics IV. 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 III (DBPG 5005C) is a prerequisite for this course.

DBPG 5010 Topics in Orthodontics I. English, Faculty. 2 SH. SUMMER

This advanced course provides the student with 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 & 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, Faculty. 4 SH. FALL

A continuation of advanced topics presented in DBPG 5010.

DBPG 5012 Topics in Orthodontics III. English, Faculty. 4 SH. SPRING

A continuation of advanced topics presented in DBPG 5011.

DBPG 5013 Topics in Orthodontics IV. English, Faculty. 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, Faculty. 4 SH. FALL See DBPG 5013 for course description

DBPG 5015 Topics in Orthodontics VI. English, Faculty. 4 SH. SPRING

See DBPG 5013 for course description

DBPG 5016 Craniofacial Growth and Development I. Kasper. 2 SH. SPRING

This course will provide the student with a basic understanding of prenatal and postnatal growth and development as they 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. English. 2 SH. FALL

A continuation of Craniofacial Growth and Development Part I

DBPG 5020 Orthodontic Practice Management. English. 1 SH. 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.

Pediatric Dentistry

DBPG 6001A Topics in Pediatric Dentistry I, Cardenas. Faculty. 2 SH. 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. Cardenas. Faculty. 2 SH. FALL

A continuation of advanced topics presented in DBPG 6001.

DBPG 6001C Topics in Pediatric Dentistry I, Cardenas. Faculty. 2 SH. SPRING

A continuation of advanced topics presented in DBPG 6001

DBPG 6001D Topics in Pediatric Dentistry II. Cardenas. Faculty. 2 SH. 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. Cardenas. Faculty. 2 SH. FALL

A continuation of advanced topics presented in DBPG 6001

DBPG 6001F Topics in Pediatric Dentistry II. Cardenas. Faculty. 2 SH. SPRING

A continuation of advanced topics presented in DBPG 6001

DBPG 6007A Current & Classical Literature Review in Pediatric Dentistry I-Acharya. 1 SH. 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 –Acharya. 1 SH. 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 6007C Current & Classical Literature Review in Pediatric Dentistry II – Acharya. 1 SH. 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 – Acharya. 1 SH. 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 – Acharya. 1 SH. 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 I- . 2. SH SPRING**DBPG 6017 Pediatric Seminar in Craniofacial II Dosani, 2. SH FALL*****Periodontics*****DBPG 7008 Dental Implant Lecture Series. Eswaran. 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 & treatment planning, surgical & prosthetic considerations and implant maintenance. Additionally, as part of the course, the students will be required to treatment plan a case incorporating dental implants. Implant concepts based on scientific literature, will be emphasized through the course.

DBPG 7009A Topics in Periodontics. Weltman & Faculty. 2 SH. FALL

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 a 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.

DBPG 7009B Topics in Periodontics. Weltman & Faculty. 2 SH. SPRING

A continuation of topics in periodontics presented in DBPG 7009A.

DBPG 7009C Topics in Periodontics. Weltman & Faculty. 2 SH. FALL

A continuation of topics in periodontics presented in DBPG 7009B.

DBPG 7009D Topics in Periodontics. Weltman & Faculty. 2 SH. SPRING

A continuation of topics in periodontics presented in DBPG 7009C.

DBPG 7009E Topics in Periodontics. Weltman & Faculty. 2 SH. FALL

A continuation of topics in periodontics presented in DBPG 7009D.

Prosthodontics**DBPG 8006A Periodontics/Prosthodontic/Endodontics Conference I. Belles, Weltman. Kirkpatrick 1 SH. SPRING**

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

DBPG 8006B Periodontics/Prosthodontic/Endodontics Conference II. Belles, Weltman. Kirkpatrick 1 SH. SPRING

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

DBPG 8006C Periodontic/Prosthodontic Conference III. Belles, Weltman. 1 SH. SPRING

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

DBPG 8010 Graduate Prosthodontics I. Belles. 2 SH. SUMMER

This is a preclinical course for first year advanced prosthodontic residents. It includes all of the didactic, clinical and laboratory phases of complete denture therapy and removable partial denture design.

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:

1. **First Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Semester

DBPG 1001	Conscious Sedation I 2-week hands-on and mini-lecture courses in Prosthodontics, Endodontics, Dental Photography, Periodontal techniques, Oral Medicine, Oral Surgery Laser Therapy, E4D CEREC training, CBCT and Virtual Implant Planning Weekly 4 hr seminars in Diagnosis & Treatment Planning General Dentistry Clinic	1
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Fall Semester

DBPG 1081	Oral Biomaterials I Weekly 4 hr. seminars in Diagnosis & Treatment Planning Current Literature Seminars Implant hands-on courses (3-4 systems surgical and prosthetic) 12 weekly seminars in Implantology 10 bi-weekly Perio-Restorative Seminar Weekly lunch and learn or morning courses Preparation of Table Clinic at GHDS General Dentistry Clinic	1
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Rotations: The Houston Dept of Health and Human Services, Bureau of Oral Health, Pediatric Clinic.

Spring Semester

DBPG 1091	Oral Biomaterials II 12 weekly seminars in Implantology Implant hands-on courses (3-4 different systems, surgical and prosthetic) 5 bi-weekly Perio-Restorative Seminar Weekly lunch and learn or morning courses Presentation of Table Clinic at GHDS General Dentistry Clinic	1
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TOTAL	3
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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: DBPG 1007 Practice Management
	Spring: DBPG 8006A Perio/Pros Tx Planning Conference

Rotations: The Houston Dept of Health and Human Services, Bureau of Oral Health, Pediatric Clinics
 (Optional) The UT M. D. Anderson Cancer Center, Maxillofacial Prosthetic and Dental Oncology

Clinic (US top cancer center)

Avenue 360 (formerly Bering Omega Clinic)

San Jose Charity Clinic (the region largest and most comprehensive charity care clinic)

Teaching: Fourth year undergraduate dental clinic and urgent care

Clinic: 70% plus

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.

1. **First Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
<u>Summer Semester</u>		
DBPG 1001	Conscious Sedation I	1
DBPG 1101	Anatomy-Head and Neck	3
DBPG 1304	Oral Biomaterials-Endodontics	1
DBPG 1804	Pulp Biology	1
DBPG 2004A	Endodontic Pre-Clinical Technique	1
DBPG 5352	Biostatistics for Dental Professionals	3
<u>Fall Semester:</u>		
DBPG 1002	Conscious Sedation II	1
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 2001A	Endodontic Clinic	4
DBPG 2006A	Topical Seminar in Endodontics	1
DBPG 2008A	Current Literature Seminar	1
<u>Spring Semester:</u>		
DBPG 1116	Advanced Basic Sciences II	4
DBPG 2001B	Endodontic Clinic I	4
DBPG 2005	Endodontic Surgery	1
DBPG 2006B	Topical Seminar in Endodontics	1
DBPG 2008B	Current Literature Seminar	1
TOTAL		33

2. **Second Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
<u>Summer Semester:</u>		
DBPG 1920	Applied Sciences II	2
DBPG 2002A	Endodontic Clinic II	4
<u>Fall Semester:</u>		
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

Spring Semester:

DBPG 2002C	Endodontic Clinic II	7
DBPG 2006D	Topical Seminar in Endodontics	1
DBPG 2008D	Current Literature Seminar	1
DBPG 1911B	Research	2

TOTAL **29**

3. **Third Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Semester:

DBPG 2003A	Endodontic Clinic III	4
*DBPG 1912A	Thesis	2

TOTAL **6**

4. Practice Teaching

5. Semester schedules are published by the program director.

6. Written and oral progress evaluations are made by the program director.

***MASTER OF SCIENCE IN DENTISTRY DEGREE ONLY**

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:

1. **First Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Rotations during year; off site:

Emergency Room
 Oral Surgery (OMFS)
 Anesthesiology
 Bering Omega Clinic

Summer Semester:

DBPG 1001	Conscious Sedation I	1
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Fall Semester:

DBPG 1002	Conscious Sedation II <i>10 weekly seminars in Periodontics</i> <i>Selected seminars in Oral Biomaterials I</i> <i>Weekly to biweekly seminars in Diagnosis & Trt Plng.</i> <i>Restorative Dentistry Clinic</i>	1
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Spring Semester:

DBPG 1091	Oral Biomaterials II 12 weekly seminars in Implantology Implant hands-on courses (3-4 different systems, surgical and prosthetic) 10 weekly seminars in Periodontics Weekly 4 hr seminars in Diagnosis & Treatment Planning Weekly lunch and learn or morning courses General Dentistry Clinic	1
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TOTAL		3
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2. **Optional Second Year:**

Course:	Summer	DBPG	1920 Applied Sciences II	2
	Fall	DBPG	1007 Practice Management	1
	Spring	DBPG	8006A Perio/Pros Treatment Planning Conference	1

Rotations: OMFS
 MD Anderson
 Dental School

Clinic: 80% plus

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.

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

4 Year OMS CERTIFICATE PROGRAM OUTLINE

YEAR	ACTIVITY	DURATION
PGY 1	OMS	12 months
PGY 2	Internal Medicine	3 months
PGY 2	Anesthesia	4 months
PGY 2	Neurosurgery	1 month
PGY 2	OMS	4 months
PGY 3	OMS	7 months
PGY 3	Pediatric Anesthesia	1 month
PGY 3	General Surgery	4 months
PGY 4	OMS Chief Residency	12 months

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

MSB B.603

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 Orthodontists to discuss and formulate treatment plans for clinical cases .

2. **OMS SEMINAR**

Tuesdays, 7:00 – 8:00 AM

MSB 2.135

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. . The goal of this conference is to provide residents with in-depth knowledge in 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, Dunn/Guadalupe-Pecos

The goals and objectives of the CPC are to review the diagnosis and management of oral pathology and oral and maxillofacial surgery patients. These sessions are presented by residents and faculty and utilize Socratic teaching methods to assist residents in learning how to express themselves and prepare for oral examination.

4. **M&M Conference**

Final Tuesday of every other 7:00-8:00AM.

MSB 2. 135

The bi-monthly Morbidity and Mortality Conference presented by the chief residents. Each resident summarizes the clinical activity of the hospital services and reports on any morbidity or mortality. Significant morbidity is then discussed in a mini- presentation with an analysis of events, recommendations for corrective action and a relevant literature review. These discussions are developed with the assistance and approval of the faculty member responsible for the case.

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

INTEGRATED OMS/MD PROGRAM OUTLINE

YEAR	ACTIVITY	DURATION
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	OMS	4 months
PGY 5	Pedi Anesthesia	1 month
PGY 5	General Surgery Internship (USMLE Step 3)	4 months
PGY 5	OMS	7 months
PGY 6	OMS Chief Residency	12 months

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 a Master of Science in Dentistry in Dentistry degree.

1. **First Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Semester

DBPG 1101	Anatomy-Head and Neck	3
DBPG 5352	Biostatistics for Dental Professionals	3
DBPG 5001A	Orthodontic Clinic I	3
DBPG 5010	Topics in Orthodontics	2

Fall Semester:

DBPG 1009	Interdisc. Res. Seminar I	1
DBPG 1106	Cell/Development Biology	1
DBPG 1110	Oral Biology: Development, Structure Function of Oral Tissues	1
DBPG 1305	Oral Biomaterials	2
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	Cranofacial Growth & Dev I	2
DBPG 5020	Ortho Practice Management *(take one time in odd year)	1

TOTAL		42
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2. **Second Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Semester:

DBPG 1920	Applied Sciences II	2
DBPG 5002A	Orthodontic Clinic II	5
DBPG 5013	Topics in Orthodontics IV	2

Fall Semester:

DBPG 1011	Interdiscip. Res. Seminar III	1
DBPG 1612	Graduate Oral Pathology	2
DBPG 4002C	Orthognathic Seminar	1
DBPG 5002B	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

Spring Semester:

DBPG 1008	Grad Oral Radiology	1
DBPG 1012	Interdisc. Res. Seminar IV	1
DBPG 1911A	Research	2
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
TOTAL		40

3. **Third Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Semester:

DBPG 1911B	Research	2
*DBPG 1912A	Thesis	2
DBPG 5003	Orthodontic Clinic III	2
TOTAL		6

4. 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 to the Department.

5. Semester schedules are published by the program director.

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

***MASTER OF SCIENCE IN DENTISTRY DEGREE ONLY**

PEDIATRIC DENTISTRY
Two-year Program

The advanced education (postgraduate) program in pediatric dentistry requires satisfactory completion of the following for award of the specialty certificate:

1. **First Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
<u>Summer Session</u>		
DBPG 1001	Conscious Sedation I	1
DBPG 1920	Applied Sciences II	2
DBPG 6001A	Topics in Pediatric Dentistry I	2
DBPG 6005A	Pediatric Clinic I	1
DBPG 5352	Biostatistics for Dental Professionals	3
<u>Fall Semester:</u>		
DBPG 1002	Conscious Sedation II	1
DBPG 1115	Advanced Basic Sciences I	3
DBPG 1612	Graduate Oral Pathology	2
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
<u>Spring Semester:</u>		
DBPG 1008	Grad Oral Radiology	1
DBPG 6016	Pediatric Seminar in Craniofacial Development I	2
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
TOTAL		28

2. **Second Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
<u>Summer Session:</u>		
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
<u>Fall Semester:</u>		
DBPG 1911A	Research	2
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
<u>Spring Semester:</u>		
DBPG 1911B	Research	2
*DBPG 1912A	Thesis	2
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
TOTAL		25

3. Annual schedules are published by the program director.
4. Written progress evaluations are performed 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 periodontics requires satisfactory completion of the following for award of the Master of Science in Dentistry degree and specialty certificate:

1. **First Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Session

DBPG 1001	Conscious Sedation I	1
DBPG 1101	Anatomy-Head and Neck	3
DBPG 7001A	Periodontics Clinic I	1
DBPG 5352	Biostatistics for Health Professionals	3
	Periodontal Therapy I	
	Treatment Planning Class with Perio Faculty	
	Physical Diagnosis at VA Hospital	
	Ortho-Perio Conference	

Fall Semester:

DBPG 1002	Conscious Sedation II	1
DBPG 1115	Advanced Basic Sciences I	3
DBPG 1612	Graduate Oral Pathology	2
DBPG 7001B	Periodontics Clinic I	3
DBPG 7009A	Topical Seminars in Periodontics	2
	Physical Diagnosis at VA-continues	
	Current Literature	
	Clinical Conference	
	Bering Dental Clinic Rotation	
	Graduate Introduction to Implant Prosthodontics	
	Mucocutaneous Clinic	
	Advanced Implant Lecture Series	
	Dental Hygiene Supervision	
	Implant Board Meeting	
	Perio/AEGD/GPR Class	
	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
	Current Literature	
	Clinical Conference	
	Bering Dental Clinic Rotation	
	Mucocutaneous Clinic	
	Dental Hygiene Supervision	
	ACLS Class in January	
	Implant Board Meeting	
	Perio/AEGD/GPR Class	
	Graduate Occlusion- Dr. Ronald C. Auvenshine	
	Ortho-Perio conference	

TOTAL		31
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2. **Second Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Session:

DBPG 1911A	Research	2
DBPG 7002A	Periodontics Clinic II	4
	Bering Clinic Rotation	
	Dental Hygiene Supervision	
	OrthoPerio Conference	

Fall Semester:

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 Dental Clinic Rotation	
	Mucocutaneous Clinic	
	Advanced Implant Lecture Series	
	Clinical Conference Oral Boards	
	Implant Board Meeting	
	Perio/AEGD/GPR Class	
	Dental Hygiene Supervision	
	OrthoPerio Conference	

Spring Semester:

DBPG 1911B	Research	1
DBPG 7002C	Periodontics Clinic II	5
DBPG 7009D	Topical Seminars in Periodontics	2
DBPG 8006B	Perio/Pros Conference	1
	Current Literature	
	Clinical Conference	
	Bering Dental Clinic Rotation	
	Dental Hygiene Supervision	
	Mucocutaneous Clinic	
	Graduate Occlusion- Dr. Ronald C. Auvenshine	
	Implant Board Meeting	
	Perio/AEGD/GPR Class	
	AAP In-Service Exam	
	OrthoPerio Conference	

TOTAL		24
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3. **Third Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Session:

DBPG 1911C	Research	1
DBPG 1920	Applied Sciences II	2
DBPG 7003A	Periodontics Clinic III	3
	Bering Dental Clinic Rotation	
	Dental Hygiene Supervision	
	OrthoPerio Conference	

Fall Semester:

DBPG 1911D	Research	1
DBPG 1007	Practice Management	1
DBPG 7003B	Periodontics Clinic III	5
DBPG 7009E	Topical Seminars in Periodontics	2
	Current Literature	
	Clinical Conference	
	Clinical Conference Oral Boards	
	Bering Dental Clinic Rotation	
	Dental Hygiene Supervision	
	Mucocutaneous Clinic	
	Implant Board Meeting	
	LBJ Rotation	
	Perio/AEGD/ GPR Class	
	OrthoPerio Conference	

Spring:

DBPG 1911E	Research	1
*DBPG 1912A	Thesis	2
DBPG 7003C	Periodontics Clinic III	5
DBPG 8006C	Perio/Pros Conference	1
	Current Literature	
	Clinical Conference	
	Clinical Conference Oral Boards	
	Bering Dental Clinic Rotation	
	Dental Hygiene Supervision	
	Mucocutaneous Clinic	
	Gradute Occlusion- Dr. Ronald C. Auvenshine	
	Implant Board Meeting	
	Perio/AEGD/GPR Class	
	AAP In-Service Exams	
	OrthoPerio Conference	

TOTAL **24**

4. Practice Teaching
5. Annual/Semester schedules are published by the program director.
6. Written and oral progress evaluations are performed at the end of each semester by the program director.

***MASTER OF SCIENCE IN DENTISTRY DEGREE ONLY**

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 in Dentistry Degree.

1. **First Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Session

DBPG 1101	Anatomy-Head and Neck	3
DBPG 8010	Graduate Prosthodontics I	2
DBPG 5352	Biostatistics for Dental Professionals	3

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	

TOTAL		26
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2. **Second Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Session:

DBPG 1001	Conscious Sedation I	1
DBPG 1920	Graduate Applied Sciences II	2
DBPG 8002A	Prosthodontic Clinic II	3

Fall Semester*:

DBPG 1002	Conscious Sedation II	1
DBPG 1106	Cell Development/Oral Biology	1
DBPG 1110	Oral Biology:Dev. Structure of Oral Tissues	1
DBPG 1911A	Research	2
DBPG 8002B	Graduate Prosthodontic Clinic II	4
	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	

Spring Semester:

DBPG 1911B	Research	2
DBPG 8002C	Graduate Prosthodontic Clinic II	4
DBPG 8006B	Periodontic/Prosthodontic Conference II	1
DBPG 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	

TOTALS **24**

3. **Third Year Curriculum**

Course No.	Descriptive Title	Semester Hrs.
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Summer Session*:

DBPG 1911C	Research	2
DBPG 8005A	Prosthodontic Clinic III	4

Fall Semester*:

DBPG 1911D	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	

Spring:**

*DBPG 1912A	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	

TOTAL **24**

4. Quarterly schedules are published by the program director.
5. Written and oral progress evaluations are performed quarterly by the program director.

***MASTER OF SCIENCE IN DENTISTRY DEGREE ONLY**

GRADUATION REQUIREMENTS

Degree

The minimum requirement for the Master of Science in Dentistry Degree is thirty (30) semester hours, twenty-four (24) of which must be in basic and clinical science courses, and a minimum grade point average of 3.0. Actual hours required for the Master of Science in Dentistry Degree are defined within the specific programs. In addition, four (4) hours of research (6 for Periodontics) and two (2) hours of acceptable thesis, the latter awarded in the terminal semester, are required. At departmental discretion, additional assignments may be made. All requirements are expected to be completed within the stated program time frame.

Exceptions or extensions may only be granted through approval by the program director and the Director of Advanced Education.

Certificate

The minimum requirement is completion of basic and clinical science courses with a minimum GPA of 3.0 and departmental clinical conferences and seminars required by the specialty department. Demonstration of satisfactory clinical proficiency, satisfactory completion of additional departmental assignments, completion of an orientation in research methodology with certification in human subjects research training, and at the discretion of the program director, submission of a paper suitable for publication are also required.

MASTER OF SCIENCE IN DENTISTRY DEGREE

Application Process

Students enrolled in Endodontics, Orthodontics Pediatric Dentistry, Prosthodontics, and Periodontics should submit a ***Petition to Candidacy for the Master of Science in Dentistry Degree*** by May 30th of their first academic year.

Students enrolled initially in a postgraduate program who wish to pursue a graduate program leading to the Master of Science in Dentistry degree should first consult with their Program Director who will review their progress to determine eligibility for graduate study. If the Program Director approves the request for graduate study, the student can then submit a ***Petition to Candidacy for the Master of Science in Dentistry Degree***. This petition must be submitted no later than the beginning of the fall semester of the terminal academic year. The GRE, TOEFL, or TWE may be required for students for whom English is a second language. An expected timetable for degree completion must accompany the petition.

Thesis Committee

Before the ***Petition to Candidacy for the Master of Science in Dentistry Degree*** is submitted, the department chairperson, or Program Director in consultation with the candidate, will appoint a thesis committee consisting of a chairperson and at least four (4) additional members. The chairperson and at least three (3) of the members must have an advanced degree (MS, PhD). The thesis committee should represent an appropriate distribution of scientific expertise and at least one (1) of the committee members must be from a different discipline/department.

The Thesis Committee will:

- advise the candidate concerning the research project to be completed. The nature and degree of complexity of the research project should be such that it can be completed in a reasonable period of time.
- assist the candidate in the development of the research plan and the preparation of the formal research proposal, including the need for a pilot study.

- review the completed research proposal before it is submitted to the department chairperson for approval.
- meet with the candidate at regular intervals to receive progress reports on the research project. The purpose of these meetings is to provide the candidate with a progress evaluation and guidelines for further study.
- review the rough draft of the thesis and give approval before preparation of the final thesis.
- conduct the oral comprehensive examination under the direction of thesis chairperson. Upon successful completion of the oral comprehensive examination, the thesis chairperson will send formal notification to the Office of Student and Academic Affairs. Typically the Thesis Committee will meet four (4) times: 1) brief presentation of topic, 2) presentation of thesis proposal including review of the literature and experimental design, 3) review of data, and 4) defense of the thesis. See page 48 for more details.

Research Proposal

The research proposal should be prepared by the candidate with the assistance of the thesis committee. The research proposal should follow the format below.

1. Abstract
2. Specific Aims, hypothesis
3. Significance
4. Background/Literature Review
5. Experimental Design
6. Bibliography

Upon completion, the research proposal should be submitted to the department chairperson and thesis committee for approval. A copy of the research proposal should be kept by the candidate, the Program Director and the thesis committee chairperson. A summary of the research proposal is to be submitted as part of the *Petition To Candidacy For The Master of Science in Dentistry Degree*.

Review by Health Science Center Regulatory Committees

During their review of the candidate's research proposal, the thesis committee will determine if the research project requires review and approval by any of the Health Science Center regulatory committees (examples included the Animal Welfare Committee, Biohazards Committee, Committee for the Protection of Human Subjects, Radiation Safety Committee, Radioactive Drug Research Committee and Recombinant DNA Committee. This list should not be considered inclusive). It is the responsibility of the thesis committee chairperson to make certain that the research project has been reviewed by the appropriate Health Science Center regulatory committees. If there are any questions concerning this matter, please contact Dr. Jacqueline T. Hecht, Associate Dean for Research. Complete and submit the "Committee Review Form" as part of the Petition to Candidacy.

External Funding for the Research Project

If the candidate is seeking or receiving external funding to support the research project, submit the appropriate forms to the School of Dentistry Office of Research. It is the responsibility of the thesis committee chairperson to assist the candidate in this process. If there are any questions concerning this matter, please contact Dr. Jacqueline Hecht, Associate Dean for Research.

Petition To Candidacy For The Master of Science in Dentistry Degree.

This petition is submitted to the Office of Student and Academic Affairs when the student has:

1. taken the Graduate Record Examination (GRE, if required by the program),
2. consulted with department chair and received approval to pursue the Master of Science in Dentistry degree,
3. identified, along with Program Director, all required course work for the Master of Science in Dentistry degree,
4. identified, along with Program Director, faculty members who will serve on the thesis committee,
5. identified, along with thesis committee, a suitable research project,
6. submitted the formal research proposal to thesis committee and Program Director for approval,
7. submitted research proposal to the appropriate Health Science Center regulatory committees for approval if indicated (the thesis committee chairperson will assist with this process), and
8. submitted the research proposal to the School of Dentistry Research Office for review (if indicated).

When the ***Petition to Candidacy for the Master of Science in Dentistry Degree*** is completed, submit the original copy and an electronic copy (**excluding grades off of the electronic copy**) as an attachment via email to the Office of Student and Academic Affairs for review and approval by the Advanced Education Committee. Copies of the Committee Review Form, Health Science Center Regulatory Committee forms and/or School of Dentistry Research Office approval forms (if applicable) must accompany the petition.

Oral Comprehensive Examination

An oral comprehensive examination will be scheduled by the appropriate Program Director following completion of the research project and acceptance of the thesis by the individual's thesis committee.

The examination will be conducted by the thesis committee. The schedule for examination of candidates will be posted on the Office of Advanced Education bulletin board and distributed to all department chairs. Faculty members are invited to attend.

Thesis Contents and Format

Information concerning the format and electronic submission of the thesis is outlined in the *Thesis Content and Format for the Master of Science in Dentistry Degree*. This publication can be found on the school's website under the student guide section.

Completion of Requirements for the Master of Science in Dentistry Degree

The Master of Science in Dentistry degree will be issued when the final oral examination is approved by the candidate's thesis committee a conformation of successful uploading of an electronic version of the written thesis to ProQuest is received by the Office of Student and Academic Affairs and University checkout procedures are completed.

If these items are not submitted prior to the end of the terminal semester it will be necessary for the student to register in the subsequent semester for completion.

All requirements for the Master of Science in Dentistry degree must be completed within the prescribed program length. Continuous enrollment is required in subsequent semesters if an extension is granted.