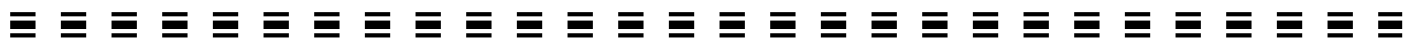


POSTGRADUATE SCHOOL OF DENTISTRY



**ADVANCED
EDUCATION
MANUAL
&
COURSE CATALOG
2009-2010**



THE UNIVERSITY *of* TEXAS

DENTAL BRANCH AT HOUSTON

A part of The University of Texas Health Science Center at Houston

Advanced Education Manual and Course Catalog 2009-2010

Published by:

Office of Student and Alumni Affairs
The University of Texas Dental Branch at Houston
A part of The University of Texas Health Science Center at Houston
6516 M.D. Anderson Blvd.
Houston, TX 77030
Office: (713) 500-4151
Fax: (713) 500-4425
Email: dbstudentaffairs@uthouston.edu

Welcome to the University of Texas at Houston Dental Branch

The Dental Branch 2009-2010



Message from Interim Dean John A. Valenza

On behalf of the faculty, staff and administration of The University of Texas Dental Branch at Houston, welcome to the 2009-10 academic year at the Dental Branch!

The Dental Branch is proud to serve as a model to other institutions, particularly in the areas of diversity, patient care, technology, student research and community. Our strengths will always be our people – faculty, staff and students – and a commitment to change and innovation. As such, our advanced education programs occupy a unique place at the Dental Branch, both in training tomorrow’s general dentists and specialists, and serving as a key part of our strengths in education, patient care and research. Simply put, our programs in endodontics, general dentistry, oral and maxillofacial surgery, orthodontics, pediatric dentistry, periodontics and prosthodontics make all of our programs at the Dental Branch better!

At this writing, we are also hard at work designing a new full replacement building for the Dental Branch, to be located approximately 1 mile from our current location on the “South Campus” in the UT Research Park. The target completion date is mid-2012, and while you may have completed your tenure with us by then, please know that your input while you’re here can be impactful. So let me encourage you to take advantage of any opportunities for comment that come your way via e-mail, open houses or other forums.

Finally, please be sure to read the information contained on the pages of this manual, and then refer to it often during your studies, as it contains a wealth of information to help you be successful. Additionally, check our Web site regularly at www.db.uth.tmc.edu for UTDB news, events, updates and other information.

Best wishes for a great year and continued success along your path of learning, and for building new lifelong relationships along the way. We are delighted you are here!

Warmest regards,

A handwritten signature in cursive script, appearing to read "J. Valenza".

John A. Valenza, D.D.S.
Interim Dean

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Calendar

Postgraduate School of Dentistry

2009

Summer Session

| | |
|-----------|------------------------------|
| July 1 | Session Begins--All programs |
| July 4 | HOLIDAY--Independence Day |
| August 21 | Session Ends |

Fall Semester

| | |
|----------------|------------------------------|
| August 24 | Session Begins--All programs |
| September 1 | HOLIDAY--Labor Day |
| November 26-27 | HOLIDAYS--Thanksgiving |
| December 18 | Session Ends |

2010

Spring Semester

| | |
|------------|--|
| January 4 | Session Begins--All programs |
| January 18 | HOLIDAY--Martin Luther King Day |
| March 1-5 | Spring Break |
| May 26 | HOLIDAY--Memorial Day |
| May 30 | Graduation |
| June 30 | End of Program Year (Thesis due in Office of Student and Alumni Affairs-original thesis committee signature sheet and binder's receipt) |

Notes:*

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. *Information regarding registration and fee payments from the Registrar's Office located at 7000 Fannin St., Suite 2250, 713/500-3361; 1-800-575-8710 or through website address: www.uth.tmc.edu.com*
3. *Holidays are subject to change.*

RESOURCES

| | RM# | EXT# |
|--|---------|------|
| John A. Valenza, DDS, <i>Interim Dean</i> | 147 | 4021 |
| Leslie B. Roeder, DDS, MS, <i>Associate Dean for Academic Affairs</i> | 16A | 4167 |
| Peggy O'Neill, DDS, <i>Associate Dean for Patient Care</i> | 142 | 4263 |
| H. Philip Pierpont, DDS, <i>Associate Dean for Student and Alumni Affairs</i> | 155 | 4151 |
| Karen Storthz, Ph.D., <i>Associate Dean for Research & Director of Advanced Education</i> | 4.133 | 4362 |
| <u>Restorative Dentistry and Oral Biomaterials</u> | | |
| Richard D. Bebermeyer, DDS, MBA, <i>Chair and Professor</i> (Richard.D.Bebermeyer@uth.tmc.edu) | 493 | 4286 |
| General Practice Residency (GPR) Raymond Simmons, DDS, DMSc., <i>Program Director</i> (Raymond.Simmons@uth.tmc.edu) | HPB 310 | 5816 |
| General Dentistry (AEGD) Raymond Simmons, DDS, DMSc., <i>Program Director</i> (Raymond.Simmons@uth.tmc.edu) | HPB 310 | 5816 |
| Kiat-Amnuay, DDS, MS, <i>Director of Postgraduate General Dentistry Clinics</i> (Sudarat.Kiat-Amnuay@uth.tmc.edu) | HPB 310 | 7174 |
| <u>Oral and Maxillofacial Surgery, Anesthesiology, & Oral Pharmacology</u> | | |
| Mark E.K. Wong, DDS, <i>Chair/Program Director</i> (Mark.E.Wong@uth.tmc.edu) | 2.059 | 4125 |
| <u>Orthodontics</u> | | |
| Jeryl D. English, DDS, MS, <i>Chair/Program Director</i> (Jeryl.D.English@uth.tmc.edu) | 370 | 4119 |
| <u>Pediatric Dentistry</u> | | |
| Sanford J. Fenton, DDS, MDS, <i>Chair</i> (Sanford.J.Fenton@uth.tmc.edu) | 372 | 4150 |
| Steven P. Hackmyer, DDS, <i>Interim Program Director</i> (Steven.Hackmyer@uth.tmc.edu) | 352 | 8222 |
| <u>Prosthodontics</u> | | |
| Raymond G. Koeppen, DDS, MS, <i>Chair</i> (Raymong.G.Koeppen@uth.tmc.edu) | 485 | 4136 |
| Robert L. Engelmeier, DDS, MS, <i>Program Director</i> (Robert.L.Engelmeier@uth.tmc.edu) | 485 | 4165 |
| <u>Endodontics</u> | | |
| Samuel O. Dorn, DDS, <i>Chair/Program Director</i> (Samuel.O.Dorn@uth.tmc.edu) | 202 | 4223 |
| <u>Periodontics</u> | | |
| James A. Katancik, DDS, Ph.D., <i>Chair</i> (James.A.Katancik@uth.tmc.edu) | 322 | 4073 |
| Periodontics Robin L. Weltman, DDS, MS, <i>Program Director</i> (Robin.L.Weltman@uth.tmc.edu) | 309 | 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 Dental Branch graduate/postgraduate curriculum, academic policies, available services, and other items of interest. Further details regarding policies and procedures are found in the Dental Branch 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 Dental Branch Web site. 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 and Alumni Affairs/Director of Advanced Education.

ACCREDITATION

The programs offered by the University of Texas Dental Branch 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/prof/ed/accred/index.asp>

GENERAL INFORMATION

PROGRAMS

The Dental Branch 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 and human subjects 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: **Oral & Maxillofacial Surgery, 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 required is 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 2008-2009 are \$146 per semester credit hour. Tuition rates for non-residents are \$502 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 \$15.00 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 Dental Branch.

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 \$15.00 fee will be required of those students who fail to register on the date designated in the school calendar. | | | | | | |
| <i>Installment Fee:</i> | A \$15.00 fee for using the installment plan. | | | | | | |
| <i>Delinquent Fee:</i> | A \$10.00 fee will be assessed for delinquent installment payments. | | | | | | |
| <i>Laboratory Fee:</i> | Charges are listed per course as follows: <table><tr><td>DBPG 0101</td><td>Anatomy-Head & Neck</td><td>\$30.00</td></tr><tr><td>DBPG 0112</td><td>Advanced Oral Histology</td><td>\$12.50</td></tr></table> | DBPG 0101 | Anatomy-Head & Neck | \$30.00 | DBPG 0112 | Advanced Oral Histology | \$12.50 |
| DBPG 0101 | Anatomy-Head & Neck | \$30.00 | | | | | |
| DBPG 0112 | Advanced Oral Histology | \$12.50 | | | | | |
| <i>Technology Resource Fee:</i> | \$1,250.00 / annually | | | | | | |
| <i>Library Resource Center Fee:</i> | \$75.00 / annually | | | | | | |
| <i>Info Technology Access fee:</i> | \$20.00 / 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 at \$70.73 per semester hour with a maximum charge of \$152.40 per semester (or \$70.73 per hour) and a maximum charge of \$87.79 per Summer session. The fee provides for student health care, recreation facilities, shuttle service, counseling and student government. Optional family coverage is available. | | | | | | |
| <i>Transcript Fee:</i> | \$5.00 per transcript. | | | | | | |
| <i>Pager/Voice Mail Fee:</i> | \$95.00 fee annually is required of the following specialties: Endodontics, Orthodontics, Prosthodontics, Pediatrics and Periodontics. | | | | | | |
| <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 \$1,119.00/annually. The fee may be waived upon presentation of other coverage on a semester basis no later than the 12 th class day. Visit http://registrar.uth.tmc.edu/ 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 Doctor's Center, 7000 Fannin, Room 2220. Application forms and complete information may be obtained from:

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

Online website: <http://sfa.uth.tmc.edu>

SCHOLARSHIPS

There are several scholarships available to the advanced education students at the Dental Branch. 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 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 Dental Branch 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 Alumni Affairs of the Dental Branch 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/bor/rules/homepage.htm>).

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 Dental Branch 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 Dental Branch 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 Dental Branch 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 Alumni Affairs of the Dental Branch has the primary authority and responsibility for the administration of student discipline. It is the duty of the Associate Dean for Student and Alumni Affairs to investigate allegations against students. In such cases, the Associate Dean for Student and Alumni 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 Alumni Affairs may summon the student for the purpose of discussing the allegations. If the Associate Dean for Student and Alumni 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 Alumni Affairs shall assess a penalty and inform the student of such action in writing. The decision of the Associate Dean for Student and Alumni 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 Alumni 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 Dental Branch. 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 Dental Branch 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:

J. T. Rayburn, Equal Opportunity Advisor
University Center Tower (UCT) Building
7000 Fannin, Ste. 150
Houston, TX 77046
713-500-3079
john.rayburn@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 Academic Affairs and the Associate Dean for Student and Alumni 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 Dental Branch, 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 Alumni Affairs.

DENTAL BRANCH AVAILABILITY TIME

The Dental Branch Building will normally be open from 7:00 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 Dental Branch Building from 6:00 a.m. to 10:00 p.m. on weekdays, weekends and holidays. Students must vacate the Dental Branch 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 Alumni Affairs by filling out the appropriate forms, available in the Office of Student and Alumni Affairs or by accessing the UT website at <https://utlink2.uth.tmc.edu/>.

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 Alumni Affairs. Following an exit interview, the student then obtains appropriate clearance on the Checkout Sheet and returns it to the Office of Student and Alumni 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 a leave of absence to the Associate Dean for Student and Alumni Affairs, stating the reason for the request, the length of leave requested, and the date for resuming studies. The Associate Dean for Student and Alumni Affairs will confer with the Program Director regarding the leave request. If granted, the Associate Dean for Student and Alumni Affairs will inform the student of any conditions that must be met for re-enrollment.

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. The Health Science Center's Student Counseling Service (713-500-3113) 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 (713-528-1062) 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.

The Student Counseling service (713-500-3327) and the UT Medical School Department of Psychiatry and Behavioral Sciences (713-500-2500), dial in your phone number and the # sign-the nurse coordinator will return your call) provide substance abuse counseling, referral and treatment. If a student is employed by UTHSCH, the UT Employee Assistance Program (713-500-3327) is also available.

Information on the "Student Substance Abuse Policy of The University of Texas Health Science Center at Houston" is available online at www.uth.tmc.edu/hoop. 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 www.uth.tmc.edu/hoop. For further information, contact Health Services (713-500-5171).

For information regarding sexual harassment services, see 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 |

INFORMATION LEARNING RESOURCES AND TECHNOLOGIES

Libraries

The Dental Branch Library's collection of books and journals focuses primarily on dentistry, with related support materials. The library participates in a consortium of Texas Medical Center libraries, which provides a shared online catalog and access to local and remote databases. In addition, the Library participates in several other resource-sharing activities, which helps make a wide variety of information available to its users.

The Learning Resources Center (LRC) is located on the third-floor in Room 337 and is part of the Dental Branch Library. The entrance to the LRC is through the third floor hallway doors. The Center makes many different technologies available in one location. Computers are located in individual carrels in the LRC, as well as in the training area. Access to e-mail, word-processing, the Internet, databases and online catalogs, presentation software, and other resources are available to students, faculty, and staff affiliated with the Dental Branch. Classes to support these resources are taught throughout the year and assistance is available by staff onsite or by appointment. Other resources available in the LRC include television monitors and VCRs to support the extensive videotape collection, microfiche readers, slide projectors, and other related audiovisual equipment. The UT-Houston picture ID badge also serves as the Dental Branch Library card. This badge is valid until graduation. Students must present this badge at the front desk of the Library when checking out materials. In addition, students are responsible for all materials charged against their UT-Houston picture ID badge.

Hours for Dental Branch Library/LRC:

| | |
|-----------------|---------------------|
| 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 Library/LRC hours are 8:00 am - 5:00 p.m., Monday through Friday. The Library/LRC is closed on all scheduled UT holidays.

Telephone: 713-500-4094
FAX: 713-500-4100
E-mail: Judith.A.Penn@uth.tmc.edu
URL: <http://www.db.uth.tmc.edu/library-lrc>

Network/Computer Services

Computer and network support at the Dental Branch is provided jointly by the Dental Branch Educational & Technology Services (ETS) department and the UTHSC-H Information Technology (IT) department (<http://it.uth.tmc.edu>). All support questions and problems, such as login, passwords, email, access issues, etc., should be directed to the University's Help Desk at 713-500-4848, or online at <http://hss.uth.tmc.edu> (requires direct connection to UTH network or use of VPN). Student access to school resources and the internet are available through the Learning Resource Center (LRC) on the third floor, and through the Dental Branch web site, <http://www.db.uth.tmc.edu>. Available electronic resources and services provided by ETS and IT include:

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

Bookstores

The Dental Branch Supply and Bookstore (713-500-4450) is located in the basement of the Dental Branch, room B8, and stocks required and recommended dental supplies, dental kits and textbooks as well as a limited offering of school supplies, pens, T-shirts, glassware, etc. The store is open from 8:00 am - 4:00 p.m., Monday through Friday.

Dental supplies are sold below manufacturers suggested retail and most books are discounted 5% below publishers suggested retail. 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.

The UT Bookstore (713-500-5860) is located on the basement floor of the Medical School Building and is open Monday through Friday from 8:30 am - 5:00pm. The UT Bookstore carries a large number of reference texts. The Bookstore also sells school supplies, T-shirts, greeting cards, coats and laboratory

jackets, paperback books, bike locks, and backpacks. Sales on selected items occur throughout the year with special sales including a T-shirt sale in December and May.

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.

Instructional Media Systems

Patient photography is available on a limited basis to postdoctoral students in room 161A (Instructional Media). The office also provides assistance with preparation of table clinic and poster presentations.

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 Academic Affairs, in writing, within five working days after receipt of their letter stating academic actions. The letter should present the basis upon which the appeal is being requested. If the Associate Dean for Academic Affairs grants the appeal, the following process will apply.

The Associate Dean for 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 Dental Branch 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. The training requires attendance at the research methodology seminars (literature review, research protocol, thesis design, human subjects, and research ethics) offered during orientation and throughout the first semester and completion of the certification offered on the following web site: www.cme.cancer.gov/clinicaltrials/learning/humanparticipant-protections.asp.*

SUMMER SESSION

| | |
|------------|---|
| DBPG 0101 | Anatomy - Head and Neck |
| DBPG 0304 | Oral Biomaterials - Endodontics |
| DBPG 0804 | Pulp Biology |
| DBPG 0911 | Research |
| DBPG 0912 | Thesis |
| DBPG 0920 | Applied Sciences II |
| DBPG 1001 | Conscious Sedation I |
| DBPG 2001 | Endodontic Clinic I |
| DBPG 2002 | Endodontic Clinic II |
| DBPG 2003 | Endodontic Clinic III |
| DBPG 2004 | Preclinical Graduate Endodontics |
| DBPG 4001 | OMS Seminar |
| DBPG 4003 | OMS Clinical-Pathologic Conference (CPC) |
| DBPG 5001 | Orthodontic Clinic I |
| DBPG 5002 | 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 7001 | Periodontal Clinic I |
| DBPG 7002 | Periodontal Clinic II |
| DBPG 7003 | Periodontal Clinic III |
| DBPG 8001 | Prosthodontic Clinic I |
| DBPG 8002 | Prosthodontic Clinic II |
| DBPG 8005 | Prosthodontic Clinic III |
| DBPG 8010 | Graduate Prosthodontics I |
| GS00 0620 | Literature Survey |
| HI 5352 | Statistical Methods in Health Informatics |

FALL SEMESTER

| | |
|------------|---|
| DBPG 0106 | Cell/Developmental Biology |
| DBPG 0110 | Oral Biology: Development, Structure and Function of Oral Tissues |
| DBPG 0115 | Advanced Basic Sciences I |
| DBPG 0305 | Oral Biomaterials - Orthodontic Biomechanics and Materials |
| DBPG 0612 | Graduate Oral Pathology |
| DBPG 0911 | Research |
| DBPG 0912 | Thesis |
| DBPG 1002 | Conscious Sedation II |
| DBPG 1007 | Practice Management |
| DBPG 1009 | Interdisciplinary Research Seminar I |
| DBPG 1011 | Interdisciplinary Research Seminar III |
| DBPG 2001 | Endodontic Clinic I |
| DBPG 2002 | Endodontic Clinic II |
| DBPG 2003 | Endodontic Clinic III |
| DBPG 2006 | Topical Seminar in Endodontics |
| DBPG 2008 | Current Literature Seminar |
| DBPG 4001 | Oral and Maxillofacial Surgery Seminar |
| DBPG 4002 | Orthognathic Seminar |
| DBPG 4003 | OMS Clinical-Pathologic Conference |
| DBPG 5001 | Orthodontic Clinic I |
| DBPG 5002 | 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 7001 | Periodontal Clinic I |
| DBPG 7002 | Periodontal Clinic II |
| DBPG 7003 | Periodontal Clinic III |
| DBPG 7009 | Topics in Periodontics |
| DBPG 8001 | Prosthodontic Clinic I |
| DBPG 8002 | Prosthodontic Clinic II |
| DBPG 8005 | Prosthodontics Clinic III |
| GS00 0620 | Literature Survey |
| GS21 0081 | Oral Biomaterials I |

SPRING SEMESTER

| | |
|------------|---|
| DBPG 0116 | Advanced Basic Sciences II |
| DBPG 0911 | Research |
| DBPG 0912 | Thesis |
| DBPG 1005 | Graduate Occlusion |
| DBPG 1008 | Graduate Oral Radiology |
| DBPG 1010 | Interdisciplinary Research Seminar II |
| DBPG 1012 | Interdisciplinary Research Seminar IV |
| DBPG 2001 | Endodontic Clinic I |
| DBPG 2002 | Endodontic Clinic II |
| DBPG 2003 | Endodontic Clinic III |
| DBPG 2005 | Endodontic Surgery |
| DBPG 2006 | Topical Seminar in Endodontics |
| DBPG 2008 | Current Literature Seminar |
| DBPG 4001 | Oral & Maxillo Surgery Seminar |
| DBPG 4002 | Orthognathic Seminar |
| DBPG 4003 | OMS Clinical-Path Conference |
| DBPG 5001 | Orthodontic Clinic I |
| DBPG 5002 | 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 7001 | Periodontal Clinic I |
| DBPG 7002 | Periodontal Clinic II |
| DBPG 7003 | Periodontal Clinic III |
| DBPG 7008 | Dental Implant Lecture Series |
| DBPG 7009 | Topics in Periodontics |
| DBPG 8001 | Prosthodontic Clinic I |
| DBPG 8002 | Prosthodontic Clinic II |
| DBPG 8005 | Prosthodontic Clinic III |
| DBPG 8006A | Periodontic/Prosthodontic Conference I |
| DBPG 8006B | Periodontic/Prosthodontic Conference II |
| DBPG 8006C | Periodontic/Prosthodontic Conference III |
| GS00 0620 | Literature Survey |
| GS13 0040 | Pain and Analgesia (odd years) |
| GS21 0091 | Oral Biomaterials II |

COURSE DESCRIPTIONS

BASIC SCIENCES

Core Curriculum

DBPG 0115 Advanced Basic Sciences I. Weisbrodt. 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 0116 Advanced Basic Sciences II. Rittman. 4 SH. SPRING

Students will be provided with an advanced understanding of tissue fine structure, wound healing, hemostasis, microbiology, and immunology. Topics to be covered in tissue fine structure may include: cell structure, epithelia and glands, connective tissue, cartilage, bone and bone formation, other hard tissues, muscle, and peripheral blood vessels and nerves. Topics to be covered in wound healing may include: injury and the initial response, the proliferative phase of healing, epithelization and the remodeling phase, collagen and the ground substance, angiogenesis in wound healing, healing of bone fractures, muscle and nerve repair, growth factors and wound healing, and nutrition and wound healing. Topics to be covered in hemostasis may include: vascular response; endothelial hemostatic balance; platelet microanatomy, function and evaluation; extrinsic and intrinsic coagulation; acute phase response, 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 0101 Anatomy: Head and Neck. Warner, Crabtree. 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 0106 Cell/Developmental Biology. Duke. 1 SH. FALL

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

DBPG 0110 Oral Biology: Development, Structure and Function of Oral Tissues. Duke. 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 0304 Oral Biomaterials - Endodontics. Dorn, Bohluli. 1 SH. SUMMER

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

DBPG 0305 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.

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

GS21 0081 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.

GS21 0091 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.

GS00 0620 Literature Survey. Faculty. 1-2 SH. SUMMER, FALL & SPRING

This didactic course is designed to provide the student with the opportunity to review the scientific literature critically and in depth and to write a detailed literature survey.

Stomatology

DBPG 0612 Graduate Oral Pathology. Bouqout. 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.

Pharmacology

GS13 0040 Pain and Analgesia. Lewis. 1-2. SH. SPRING

This course will educate the student in the first nine objectives of the Core Curriculum for Professional Education in Pain (2nd Ed.) From the International Association for the Study of Pain. Topics included will be anatomy, physiology and pharmacology of pain transmission and modulation; pain measurement in humans; psychosocial aspects of pain; general principles of pain evaluation and management; pain studies; drug treatment for pain; opiates, anti-inflammatory agents and other agents. Six other topics will be selected from the objectives based on class composition. Students will be able to study an additional objective based on their interests. This is a one credit hour course but students wishing to train in additional areas may obtain an additional hour of credit for doing so.

Physiology

DBPG 0804 Pulp Biology. Cai. 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 0911 Research. Faculty Committee. Variable 2-6 SH. Credit given in final semester.

Research activity usually includes registration for two (2) - 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 and the dual Prosthodontics/Oral Biomaterials program, which require six (6). Refer to Graduation Requirements for additional information.

DBPG 0912 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 0920 Applied Sciences II. O'Neill. 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.

HI 5352 Statistical Methods in Health Informatics. Johnson. 3 SH. SUMMER

This course provides the student the opportunity to develop basic competencies in the measurement, design, analysis, interpretation and critical evaluation of health information research and evaluation studies. Students will have the opportunity to learn and apply the most important and most frequently used statistical measures and methods, as well as to critically evaluate their appropriate use in health informatics research and evaluation. Topics include the study of frequency distributions, measures of central tendency, variance, hypothesis testing, correlation and both parametric and non-parametric inferential methods including t-tests, analysis of variance, chi-square 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 1005 Graduate Occlusion. Ferguson. 2 SH. SPRING

This course is designed to provide the student with information concerning contemporary concepts of occlusion, formulation of occlusal concepts, TMJ myths, occlusal analysis, occlusal splints, occlusal adjustments, occlusal trauma and interaction among dental specialists in the treatment of occlusal disturbances.

DBPG 1007 Practice Management. Weltman, Hindley & Schwartz. 1 SH. FALL

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

DBPG 1008 Graduate Oral Radiology. Abramovitch. 1 SH. SPRING

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

DBPG 1009 Interdisciplinary Research Seminar I. Duke. 1 SH. FALL

This seminar series exposes the graduate student to the various research projects occurring in other disciplines in both the Dental Branch 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. Duke. 1 SH. SPRING

This seminar series exposes the first year graduate student to the various research projects occurring in other disciplines in both the Dental Branch 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. Duke. 1 SH. FALL

This seminar series exposes the second year graduate student to the various research projects occurring in other disciplines in both the Dental Branch 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. Duke. 1 SH. SPRING

This seminar series exposes the second year graduate student to the various research projects occurring in other disciplines in both the Dental Branch 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 2004 Preclinical Graduate Endodontics. Dorn. 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. Dorn. 1 SH. SPRING

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

DBPG 2006 Topical Seminar in Endodontics. Dorn. 1 SH. FALL & SPRING

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

DBPG 2008 Current Literature Seminar. Dorn. 1 SH. FALL & SPRING

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

Oral and Maxillofacial Surgery**DBPG 4001: OMS Seminar. Wong. 1 SH. SUMMER, FALL & SPRING**

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

DBPG 4002: Orthognathic Conference. Gateno. 1 SH. FALL & SPRING

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

DBPG 4003: Clinico-Pathologic Conference (CPC). Gilbert. 1 SH. SUMMER, FALL & SPRING

The CPC is a 20 - 30 minute presentation incorporated into the Department of Oral 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.

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 I (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 I (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. Duke. 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. Duke. 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. Hackmyer. 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. Hackmyer. Faculty. 2 SH. FALL

A continuation of advanced topics presented in DBPG 6001.

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

A continuation of advanced topics presented in DBPG 6001

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

A continuation of advanced topics presented in DBPG 6001

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

A continuation of advanced topics presented in DBPG 6001

DBPG 6007A Current & Classical Literature Review in Pediatric Dentistry I – Hackmyer. 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 – Hackmyer. 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 – Hackmyer. 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 – Hackmyer. 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 – Hackmyer. 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

Periodontics

DBPG 7008 Dental Implant Lecture Series. Trejo. 2 SH. SPRING

This course introduces first-year periodontology students to the broad discipline of implant dentistry. Implant Seminars I and II are offered to second year students in the spring and fall semesters, respectively. These seminars will provide additional didactic exposure. The course consists of a series of lectures given by faculty members and practitioners involved with dental implants. The lectures will include diagnosis & 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 7009 Topics in Periodontics. Weltman & Faculty. 2 SH. FALL & SPRING

This series of seminars, which extend sequentially through three semesters, concentrate in a thorough, in-depth review, discussion and evaluation of the periodontal literature related to different aspects of therapy. All non-surgical and surgical approaches, as well as different aspects of the occlusion are reviewed. Weekly papers are required on 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.

Prosthodontics

DPBG 8006A Periodontic/Prosthodontic Conference I. Engelmeier, 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.

DPBG 8006B Periodontic/Prosthodontic Conference II. Engelmeier, 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.

DPBG 8006C Periodontic/Prosthodontic Conference III. Engelmeier, 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.Dr. Engelmeier. 2 SH. SPRING. 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

CLINICAL ACTIVITIES:

DBPG 2001 ENDO CLINIC I/DORN 2-7SH
DBPG 2002 ENDO CLINIC II/DORN 2-7SH
DBPG 2003 ENDO CLINIC III/DORN2-7SH

DBPG 5001 ORTHO CLINIC I/GARRETT 2-5SH
DBPG 5002 ORTHO CLINICII/GARRETT 2-5SH
DBPG 5003 ORTHO CLINICIII/GARRETT 2-5SH

DBPG 6005 PEDO CLINIC I/SALAMA 2SH
DBPG 6006 PEDO CLINIC II/SALAMA 2SH

DBPG 6005A PEDIATRIC CLINIC I/HACKMYER/SUMMER/ 1SH
DBPG 6005B PEDIATRIC CLINIC I/HACKMYER/FALL/ 1SH
DBPG 6005C PEDIATRIC CLINIC I/HACKMYER/SPRING/ 3SH

DBPG 6006A PEDIATRIC CLINIC II/HACKMYER/SUMMER/ 3SH
DBPG 6006B PEDIATRIC CLINIC II/HACKMYER/FALL/ 2SH
DBPG 6006C PEDIATRIC CLINIC II/HACKMYER/SPRING/ 3SH

DBPG 7001 PERIO CLINIC I/WELTMAN 2-5SH
DBPG 7002 PERIO CLINIC II/WELTMAN 2-5SH
DBPG 7003 PERIO CLINICIII/WELTMAN 2-5SH

DBPG 8001 PROS CLINICI ENGELMEIER 1-5SH
DBPG 8002 PROS CLINIC ENGELMEIER 1-5SH
DBPG 8005 PROS CLINIC ENGELMEIER 3-6SH

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. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Semester

| | | |
|-----------|--|---|
| DBPG 1001 | Conscious Sedation I <i>2 mini (2-day) courses in Fixed Prosthodontics, Endodontics, Dental Photography and Periodontal techniques Weekly 4 hr seminars in Diagnosis & Treatment Planning Restorative Dentistry Clinic</i> | 1 |
|-----------|--|---|

Fall Semester

| | | |
|-----------|---|---|
| DBPG 1002 | Conscious Sedation II 12 weekly seminars in Implantology 10 weekly seminars in Periodontics Selected seminars in Oral Biomaterials I Weekly to biweekly seminars in Diagnosis & Trt Plng. Restorative Dentistry Clinic | 1 |
|-----------|---|---|

Spring Semester

| | | |
|-----------|---|---|
| GS21 0091 | Oral Biomaterials II Biweekly seminars in Diagnosis & Trt. Plng. Mini-course on surgical placement of implants Current Literature Seminars Preparation/Presentation of Table Clinic at GHDM Restorative Dentistry Clinic | 1 |
|-----------|---|---|

| | | |
|--------------|--|----------|
| TOTAL | | 3 |
|--------------|--|----------|

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.

ENDODONTICS*Three-year Program*

The Advanced Education Program in Endodontics 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 Endodontics and a Master of Science in Dentistry in Dentistry degree. Award of the Certificate and Degree requires completion of 77 semester hours of formal courses.

1. **First Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Semester

| | | |
|-----------|-----------------------------------|---|
| DBPG 0101 | Anatomy-Head and Neck | 3 |
| DBPG 0304 | Oral Biomaterials-Endodontics | 1 |
| DBPG 0804 | Pulp Biology | 1 |
| DBPG 1001 | Conscious Sedation I | 1 |
| DBPG 2004 | Endodontic Pre-Clinical Technique | 1 |
| HI 5352 | Statistical Methods | 3 |

Fall Semester:

| | | |
|-----------|---|---|
| DBPG 0106 | Cell/Development Biology | 1 |
| DBPG 0110 | Oral Biology: Development, Structure Function of Oral Tissues | 1 |
| DBPG 0115 | Advanced Basic Sciences I | 3 |
| DBPG 1002 | Conscious Sedation II | 1 |
| DBPG 2001 | Endodontic Clinic | 2 |
| DBPG 2006 | Topical Seminar in Endodontics | 1 |
| DBPG 2008 | Current Literature Seminar | 1 |

Spring Semester:

| | | |
|-----------|--------------------------------|---|
| DBPG 0116 | Applied Basic Sciences II | 4 |
| DBPG 2001 | Endodontic Clinic I | 2 |
| DBPG 2005 | Endodontic Surgery | 1 |
| DBPG 2006 | Topical Seminar in Endodontics | 1 |
| DBPG 2008 | Current Literature Seminar | 1 |

TOTAL**29**2. **Second Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Semester:

| | | |
|-----------|----------------------|---|
| DBPG 0920 | Advanced Sciences II | 2 |
| DBPG 2002 | Endodontic Clinic II | 4 |

Fall Semester:

| | | |
|-----------|--------------------------------|---|
| DBPG 0612 | Graduate Oral Pathology | 2 |
| DBPG 2002 | Endodontic Clinic | 5 |
| DBPG 2006 | Topical Seminar in Endodontics | 1 |
| DBPG 2008 | Current Literature Seminar | 1 |

Spring Semester:

| | | |
|-----------|--------------------------------|---|
| DBPG 2002 | Endodontic Clinic II | 7 |
| DBPG 2006 | Topical Seminar in Endodontics | 1 |
| DBPG 2008 | Current Literature Seminar | 1 |

TOTAL **24**

3. **Third Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Semester:

| | | |
|-----------|-----------------------|---|
| DBPG 0911 | Research | 2 |
| DBPG 2003 | Endodontic Clinic III | 4 |

Fall Semester:

| | | |
|-----------|--------------------------------|---|
| DBPG 0911 | Research | 2 |
| DBPG 1007 | Practice Management | 1 |
| DBPG 2003 | Endodontic Clinic | 5 |
| DBPG 2006 | Topical Seminar in Endodontics | 1 |
| DBPG 2008 | Current Literature Seminar | 1 |

Spring Semester:

| | | |
|-----------|--------------------------------|---|
| DBPG 0912 | Thesis | 2 |
| DBPG 2003 | Endodontic Clinic III | 4 |
| DBPG 2006 | Topical Seminar in Endodontics | 1 |
| DBPG 2008 | Current Literature Seminar | 1 |

TOTAL **24**

4. Practice Teaching
5. Semester schedules are published by the program director.
6. Written and oral progress evaluations are made by the program director.

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. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Rotations during year; off site:

Oral Surgery (OMFS)
 ENT
 Internal Medicine
 Anesthesiology

Summer Semester:

| | | |
|-----------|----------------------|---|
| DBPG 1001 | Conscious Sedation I | 1 |
|-----------|----------------------|---|

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 |
|-----------|---|---|

Spring Semester:

| | | |
|-----------|--|---|
| GS21 0091 | Oral Biomaterials II <i>Biweekly presentations on oral pathology; various faculty</i> <i>Weekly and/or Biweekly seminars in Diagnosis & Trt. Plng.</i> <i>Current Literature Seminars</i> <i>Preparation/Presentation of Table Clinic at GHDM</i> <i>Restorative Dentistry Clinic</i> | 1 |
|-----------|--|---|

| | | |
|--------------|--|----------|
| TOTAL | | 3 |
|--------------|--|----------|

2. **Optional Second Year:**

Course: Graduate Oral Pathology Course
 Rotations: Anesthesia
 Oncology (@ LBJ)
 OMFS
 MD Anderson

Clinic: 80% plus

Call with faculty

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
UTDB, Room 139

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
UTDB, Room 132

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
Scurlock Tower, Rm 410

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.

4. **SATURDAY ROUNDS**

Saturdays, 8:00 – 10:00 AM
VA Hospital

The goals and objectives of Saturday Rounds are to provide a relatively open-ended session for education and special programs such as the Multi-Disciplinary Trauma Conference (involving OMS, Plastic Surgery and ENT), suturing and wiring workshops, and presentations by various commercial vendors on new products. In the absence of a special program, faculty and residents review interesting cases and discuss treatment and treatment alternatives.

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 | 2 months |
| PGY 2 | OMS | 3 months |
| PGY 3 | OMS | 9 months |
| PGY 3 | General Surgery | 3 months |
| PGY 4 | OMS Chief Residency | 12 months |

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
UTDB, Room 139

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
UTDB, Room 132

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
Scurlock Tower, Rm 410

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.

4. **SATURDAY ROUNDS**

Saturdays, 8:00 – 10:00 AM
VA Hospital

The goals and objectives of Saturday Rounds are to provide a relatively open-ended session for education and special programs such as the Multi-Disciplinary Trauma Conference (involving OMS, Plastic Surgery and ENT), suturing and wiring workshops, and presentations by various commercial vendors on new products. In the absence of a special program, faculty and residents review interesting cases and discuss treatment and treatment alternatives.

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

INTEGRATED OMS/MD PROGRAM OUTLINE

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

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. Award of the Certificate and Degree requires completion of 93 semester hours of formal courses.

1. **First Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|--------------------------------|---|---------------|
| <u>Summer Semester</u> | | |
| DBPG 0101 | Anatomy-Head and Neck | 3 |
| HI 5352 | Statistical Methods | 3 |
| DBPG 5001 | Orthodontic Clinic I | 3 |
| DBPG 5010 | Topics in Orthodontics | 2 |
| <u>Fall Semester:</u> | | |
| DBPG 0106 | Cell/Development Biology | 1 |
| DBPG 0110 | Oral Biology: Development, Structure Function of Oral Tissues | 1 |
| DBPG 0305 | Oral Biomaterials | 2 |
| DBPG 1009 | Interdisc. Res. Seminar | 1 |
| DBPG 4002 | Orthognathic Seminar | 1 |
| DBPG 5001 | Ortho Clinic I | 5 |
| DBPG 5005A | Current/Classic Lit | 1 |
| DBPG 5011 | Topics in Orthodontics II | 4 |
| <u>Spring Semester:</u> | | |
| DBPG 1005 | Graduate Occlusion | 2 |
| DBPG 1010 | Interdisc Res Seminar II | 1 |
| DBPG 4002 | Orthognathic Seminar | 1 |
| DBPG 5001 | 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 | 1 |
| TOTAL | | 44 |

2. **Second Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|--------------------------------|------------------------------|---------------|
| <u>Summer Semester:</u> | | |
| DBPG 0920 | Applied Sciences II | 2 |
| DBPG 5002 | Orthodontics Clinic II | 5 |
| DBPG 5013 | Topics in Orthodontics IV | 2 |
| <u>Fall Semester:</u> | | |
| DBPG 0612 | Graduate Oral Pathology | 2 |
| DBPG 1011 | Interdiscip. Res. Seminar | 1 |
| DBPG 4002 | Orthognathic Seminar | 1 |
| DBPG 5002 | 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 0911 | Research | 2 |
| DBPG 1008 | Grad Oral Radiology | 1 |
| DBPG 1012 | Interdisc. Res. Seminar IV | 1 |
| DBPG 4002 | Orthognathic Seminar | 1 |
| DBPG 5002 | Orthodontic Clinic II | 5 |
| DBPG 5005D | Current/Classical Lit IV | 1 |
| DBPG 5015 | Topics in Orthodontics VI | 4 |
| DBPG 5020 | Orthodontic Practice Management | 1 |

TOTAL **43**

3. **Third Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Semester:

| | | |
|-----------|------------------------|---|
| DBPG 0911 | Research | 2 |
| DBPG 0912 | 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.

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 6001A | Topics in Pediatric Dentistry I | 2 |
| DBPG 6005A | Pediatric Clinic I | 1 |
| DBPG 0920 | Applied Sciences II | 1 |
| HI 5352 | Statistical Methods in Health Informatics | 3 |
| <u>Fall Semester:</u> | | |
| DBPG 0115 | Advanced Basic Sciences I | 2 |
| DBPG 0612 | Graduate Oral Pathology | 2 |
| DBPG 1002 | Conscious Sedation II | 1 |
| DBPG 6001B | Topics in Pediatric Dentistry I | 2 |
| DBPG 6005B | Pediatric Clinic I | 1 |
| DBPG 6007A | Current & Classical Literature Review in Pediatric Dentistry I | 1 |
| <u>Spring Semester:</u> | | |
| DBPG 5016 | Cranio-Facial Growth & Dev I | 2 |
| DBPG 1008 | Grad Oral Radiology | 1 |
| DBPG 6001C | Topics In Pediatric Dentistry I | 2 |
| DBPG 6005C | Pediatric Clinic I | 3 |
| DBPG 6007B | Current & Classical Literature Review in Pediatric Dentistry I | 1 |
| TOTAL | | 26 |

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 5017 | Cranio-Facial Growth & Dev. II | 2 |
| DBPG 6001E | Topics in Pediatric Dentistry II | 2 |
| DBPG 6006B | Pediatric Clinic II | 2 |
| DBPG 6007D | Current & Classical Literature Review in Pediatric Dentistry II | 1 |
| ** DBPG 0911 | Research | 2 |
| <u>Spring Semester:</u> | | |
| DBPG 6001F | Topics in Pediatric Dentistry II | 2 |
| DBPG 6006C | Pediatric Clinic II | 3 |
| DBPG 6007E | Current & Classical Literature Review in Pediatric Dentistry II | 1 |
| **DBPG 0911 | Research | 2 |
| **DBPG 0912 | Thesis | 2 |
| 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. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Session

| | | |
|-----------|--|---|
| DBPG 0101 | Anatomy-Head and Neck | 3 |
| DBPG 1001 | Conscious Sedation I | 1 |
| DBPG 7001 | Periodontics Clinic I | 3 |
| HI 5352 | Statistical Methods | 3 |
| | Periodontial Therapy I | |
| | Introduction to Intra-Oral Photography | |
| | Physical Diagnosis at VA Hospital | |

Fall Semester:

| | | |
|-----------|---|---|
| DBPG 0612 | Graduate Oral Pathology | 2 |
| DBPG 0115 | Advanced Basic Sciences I | 3 |
| DBPG 1002 | Conscious Sedation II | 1 |
| DBPG 7001 | Periodontics Clinic I | 5 |
| DBPG 7009 | Topical Seminars in Periodontics | 2 |
| | Physical Diagnosis at VA-continues | |
| | Current Literature | |
| | Clinical Conference | |
| | Bering Clinic | |
| | Graduate Introduction to Implant Prosthodontics | |
| | Ortho-Perio Conference | |

Spring Semester:

| | | |
|-----------|----------------------------------|---|
| DBPG 0116 | Applied Basic Sciences II | 4 |
| DBPG 7001 | Periodontics Clinic I | 5 |
| DBPG 7008 | Dental Implant Lecture Series | 2 |
| DBPG 7009 | Topical Seminars in Periodontics | 2 |
| DBPG 8006 | Perio/Pros Conference | 1 |

TOTAL**37**2. **Second Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Session:

| | | |
|-----------|-------------------------|---|
| DBPG 0911 | Research | 2 |
| DBPG 7002 | Periodontics Clinic II | 3 |
| | LBJ Anesthesia Rotation | |

Fall Semester:

| | | |
|-----------|---|---|
| DBPG 0106 | Cell/Development Biology | 1 |
| DBPG 0110 | Oral Biology: Development, Structure and Function of Oral Tissues | 1 |
| DBPG 7002 | Periodontics Clinic II | 5 |
| DBPG 7009 | Topical Seminars in Periodontics | 2 |
| | Current Literature | |
| | Clinical Conference | |

Bering Clinic
 Ortho-Perio Conference
 Implant Seminar

Spring Semester:

| | | |
|-----------|----------------------------------|---|
| DBPG 1005 | Graduate Occlusion | 1 |
| DBPG 7002 | Periodontics Clinic II | 5 |
| DBPG 7009 | Topical Seminars in Periodontics | 2 |
| DBPG 8006 | Perio/Pros Conference | 1 |
| | Ortho-Perio Conference | |
| | Current Literature | |
| | Clinical Conference | |
| | Bering Clinic | |

TOTAL **23**

3. **Third Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Session:

| | | |
|-----------|-------------------------|---|
| DBPG 0911 | Research | 2 |
| DBPG 0920 | Applied Sciences | 2 |
| DBPG 7003 | Periodontics Clinic III | 3 |

Fall Semester:

| | | |
|-----------|----------------------------------|---|
| DBPG 0911 | Research | 2 |
| DBPG 1007 | Practice Management | 1 |
| DBPG 7003 | Periodontics Clinic III | 5 |
| DBPG 7009 | Topical Seminars in Periodontics | 2 |
| | Current Literature | |
| | Clinical Conference | |
| | Bering Clinic | |
| | Ortho-Perio Conference | |

Spring:

| | | |
|-----------|-------------------------|---|
| DBPG 0912 | Thesis | 2 |
| DBPG 7003 | Periodontics Clinic III | 5 |
| DBPG 8006 | Perio/Pros Conference | 1 |
| | Ortho-Perio Conference | |
| | Current Literature | |
| | Clinical Conference | |
| | Bering Clinic | |

TOTAL **25**

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.

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. Award of the Certificate and Degree requires completion of 73 semester hours of formal courses.

1. **First Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Session

| | | |
|-----------|---------------------------|---|
| DBPG 0101 | Anatomy-Head and Neck | 3 |
| DBPG 8010 | Graduate Prosthodontics I | 2 |
| HI 5352 | Statistical Methods | 3 |

Fall Semester:

| | | |
|-----------|--|---|
| DBPG 0115 | Advanced Basic Sciences I | 3 |
| DBPG 0612 | Graduate Oral Pathology | 2 |
| DBPG 8001 | Graduate Prosthodontic Clinic I | 4 |
| GS21 0081 | Oral Biomaterials I | 1 |
| | 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 0116 | Applied Basic Sciences II | 4 |
| DBPG 8001 | Graduate Prosthodontic Clinic I | 3 |
| DBPG 8006A | Periodontic/Prosthodontic Conference I | 1 |
| GS21 0091 | Oral Biomaterials II | 1 |
| | Classical Prosthodontic Literature Review I | |
| | Current Prosthodontic Literature Review I | |
| | Gnathologic Instrumentation Study Club I | |
| | Graduate Prosthodontic Resident Case Presentation Conference I | |
| | Graduate Prosthodontic Treatment Planning Conference I | |
| | Student Teaching | |

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

| | |
|--------------|-----------|
| TOTAL | 27 |
|--------------|-----------|

2. **Second Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Session:

| | | |
|-----------|------------------------------|---|
| DBPG 0920 | Graduate Applied Sciences II | 2 |
| DBPG 8002 | Prosthodontic Clinic II | 3 |
| DBPG 1001 | Conscious Sedation I | 1 |

Fall Semester*:

| | | |
|----------------|--|---|
| DBPG 0110/0106 | Oral Development/Oral Biology | 2 |
| DBPG 0911 | Research | 2 |
| DBPG 8002 | Graduate Prosthodontic Clinic II | 5 |
| DBPG 1002 | Conscious Sedation II | 1 |
| | Gnathologic Instrumentation Study Club II | |
| | Current Prosthodontic Literature Review II | |

Graduate Prosthodontic Resident Case Presentation Conference II
 Graduate Prosthodontic Treatment Planning Conference II
 Classical Prosthodontic Literature Review II
 Student Teaching

Spring Semester*:

| | | |
|------------|---|---|
| DBPG 0911 | Reserarch | 2 |
| DBPG 8002 | Graduate Prosthodontic Clinic II | 6 |
| 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 | |
| | Student Teaching | |

*SECOND YEAR GRADUATE PROSTHDONTIC RESIDENTS COMPLETE ROTATIONS IN: STUDY TEACHING

TOTALS **23**

3. **Third Year Curriculum**

| Course No. | Descriptive Title | Semester Hrs. |
|------------|-------------------|---------------|
|------------|-------------------|---------------|

Summer Session*:

| | | |
|-----------|--------------------------|---|
| DBPG 0911 | Research | 2 |
| DBPG 8005 | Prosthodontic Clinic III | 3 |

Fall Semester*:

| | | |
|-----------|--|---|
| DBPG 0911 | Research | 2 |
| DBPG 8005 | 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 0912 | Thesis | 2 |
| DBPG 8005 | Prosthodontic Clinic III | 6 |
| DBPG 8006C | Periodontic/Prosthodontic Conference III | 1 |
| DEPF 4702 | Dental Oncology (audit only) | |
| | Classical Prosthodontic Literature Review III | |
| | Current Prosthodontic Literature Review III | |
| | Graduate Prosthodontic Resident Case Presentation Conference III | |
| | Graduate Prosthodontic Treatment Planning Conference III | |
| | Graduate Prosthodontic Senior Resident Lecture | |
| | Student Teaching | |

*THIRD YEAR GRADUATE PROSTHDONTIC RESIDENTS COMPLETE ROTATIONS AT M.D. ANDERSON CANCER CENTER AND STUDENT TEACHING.

TOTAL **23**

4. Student Teaching (UTDB)
5. Quarterly schedules are published by the program director.
6. Written and oral progress evaluations are performed quarterly by the program director.

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, 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 department chairperson who will review their progress to determine eligibility for graduate study. If the department chairperson 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, 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 two (2) 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 Alumni 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 47 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 department chairperson 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. Karen Storthz, 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 Dental Branch 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. Karen Storthz, 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 Alumni 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 department chair, all required course work for the Master of Science in Dentistry degree,
4. identified, along with department chair, 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 department chairperson 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 Dental Branch 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 on diskette to the Office of Student and Alumni Affairs for review and approval by the Advanced Education Committee. Copies of the Committee Review Form, Health Science Center Regulatory Committee forms and/or Dental Branch Research Office approval forms (if applicable) must accompany the petition.

Oral Comprehensive Examination

An oral comprehensive examination will be scheduled by the appropriate department chairperson 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 chairperson together with a minimum of two-(2) basic science and two (2) clinical science faculty members. 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, printing and binding of the thesis is outlined in the *Thesis Content and Format for the Degree of Master of Science in Dentistry*. Obtain this publication from the Office of Student and Alumni Affairs. A bound copy of the thesis is due to the Office of Student and Alumni Affairs prior to commencement in May of the terminal year.

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 and one (1) bound copy of the completed thesis is received by the Office of Student and Alumni Affairs and University checkout procedures are completed. It is further expected that the degree candidate provide copies of the bound Thesis to the Thesis Committee Chair, and members of the Thesis Committee. Unbound copies should be provided to any sponsors.

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.

Guidelines for the Master of Science in Dentistry Thesis

Thesis Committee:

Chairman of the Thesis Committee: needs to be a MS or PhD

Committee members: 5 members total: 1 Chair, 4 members

at least 2 persons outside the department/discipline

these five committee members must hold UTHSC-H academic appointments

Committee Meetings (4):

(1) Introductory meeting (20-30 minutes):

a. Introduce the topic

b. Outline of the topic: Extensive literature review

Plans for preliminary studies (if applicable)

(2) Presentation of literature review (35-40 minutes):

a. Protocol design

b. Preliminary studies (if applicable)

c. Statistics

d. Have members of the committee sign the "Petition to Candidacy for the Master of Science in Dentistry Degree" sheet

NOTE: At this time all the paperwork for the Petition to Candidacy for the Master of Science in Dentistry Degree will be submitted to the Advanced Education Committee. The paperwork must be submitted to the program director for presentation to the Advanced Education Committee. Included in this packet are the forms to be completed for submission to the Advanced Education Committee.

(3) Data Meeting:

a. Review of the design and methods of the study

b. Presentation of the results, statistics if available, etc.

c. Committee will vote on whether you can stop collecting data.

(4) Thesis Defense: (approximately one hour)

a. Presentation (40 minutes, use Powerpoint or similar presentation program):

i. Review of the literature

ii. Hypothesis

iii. Methods and materials

iv. Discussion

v. Conclusion

vi. Further research

b. Have committee members sign:

i. Front page of the thesis (bring 10 copies of this page)

ii. Document stating that the resident has successfully pass the thesis defense

NOTE: The complete write-up of the thesis should have been approved by the Chairman of the committee and distributed to the committee members prior to commencement of this meeting.

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

PETITION TO CANDIDACY FOR THE MASTER OF SCIENCE IN DENTISTRY DEGREE

THESIS COMMITTEE

| | | |
|-------------------|------------|------|
| Name of Candidate | Department | Date |
|-------------------|------------|------|

To the candidate: Please provide the information requested below.

To the Thesis Committee members: Please verify the information provided by the candidate and indicate your willingness to serve as a member of this thesis committee by initialing the middle column.

Composition of the Thesis Committee: The Thesis Committee should be composed of a chairperson and at least four (4) additional members appointed by the department chairperson in consultation with the candidate. At least two (2) members of the thesis committee should be selected from faculty outside the department or discipline. The committee chair must hold an academic degree of MS or above in order to serve in that capacity.

| Thesis Committee Members | Initial | Area of Expertise |
|-------------------------------|---------|-------------------|
| Name and Degree (chairperson) | | |
| Department and Title | | |
| Name and Degree (member) | | |
| Department and Title | | |
| Name and Degree (member) | | |
| Department and Title | | |
| Name and Degree (member) | | |
| Department and Title | | |
| Name and Degree (member) | | |
| Department and title | | |

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER
AT HOUSTON DENTAL BRANCH

PETITION TO CANDIDACY FOR THE MASTER OF SCIENCE IN DENTISTRY DEGREE

APPROVALS

Name of Candidate

Department

Date

Department Chairperson

I have reviewed the candidate's course work and research plan and found them acceptable. I recommend that he/she be admitted to candidacy for the Master of Science in Dentistry degree.

Signature

Date

Thesis Committee Chairperson

The thesis committee has reviewed the candidate's research proposal and Petition to Candidacy and found it appropriate for the Master of Science in Dentistry degree.

Signature

Date

Advanced Education Committee Chairperson

The Advanced Education Committee has reviewed this petition and approves admission to candidacy for the degree of Master of Science in Dentistry.

Signature

Date

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER
AT HOUSTON DENTAL BRANCH

SUPPLEMENT TO THE PETITION OF CANDIDACY

COMMITTEE REVIEW FORM

Does the proposed activity involve any of the following conditions?

YES NO

___ ___ Research which could lead to a patentable intention? (if yes, contact Legal Affairs at – 3725.)

___ ___ Use of space, personnel, records or resources of affiliated hospitals or clinics? (if yes, written concurrence of the hospital or clinic must be included with this form.)

___ ___ Production or manufacture of a product?

___ ___ Putting the University in the role of advocate of a social or political agency?

If you check yes to any of the questions below, approvals from the appropriate UTHSC-H Committee must be attached.

___ ___ Use of RADIOACTIVE MATERIALS OR RADIATION DEVICES? (If yes, contact Radiation Safety at –5841.) APPROVED ___ PENDING ___

___ ___ Use of HAZARDOUS MATERIALS as defined by the UTHSC-H Biohazard Committee? (if Yes, a Biohazard Committee Approval Form must be submitted to the Office of Research Support prior to Project or activity initiation. The Office of Research Support is located in JFB G.700.) APPROVED ___ PENDING ___

___ ___ Use of RECOMBINANT DNA TECHNOLOGY? (if yes, contact the chair of the Recombinant DNA Subcommittee.) APPROVED ___ PENDING ___

___ ___ Use of HUMAN RESEARCH SUBJECTS? (if yes, contact the Office of Research Support at -5827.) APPROVED ___ PENDING ___

___ ___ Use of ANIMALS? (if yes, contact the Office of Research Support at –5827.) APPROVED ___ PENDING ___

PLEASE ATTACH COPIES OF COMMITTEE APPROVAL DOCUMENTS TO THIS FORM. The Advanced Education Committee will not act on approval of the Petition for candidacy if supporting documents are not attached.

SAMPLE

(Memo: Scheduling the Oral Comprehensive Exam)

MEMORANDUM

TO: Office of Advanced Education

FROM: (Name), Chair
Department of (Name)

SUBJECT: Oral Comprehensive Examination Schedule

An Oral Comprehensive Examination has been scheduled as follows:

Candidate: _____
Date: _____
Time: _____
Room: _____

Examination Committee Members

(List the names of all members)

My office will notify the committee members of the location of the examination and the room assignment.

Chair
Department of _____

SAMPLE

(Memo: Report of Oral Comprehensive Exam Result)

MEMORANDUM

TO: Office of Advanced Education

FROM: (Name)
Chair, Thesis Committee

SUBJECT: Oral Comprehensive Examination Report

An Oral Comprehensive Examination was conducted as follows:

Candidate: _____

Thesis Title: _____

Date: _____

The members of the examination committee in attendance were:

Typed Name/Degrees

Signatures

Chair

Chair

The performance of the candidate was:

- 1. Satisfactory _____
- 2. Unsatisfactory _____

Chair, Thesis Committee