

**THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER
SCHOOL OF DENTISTRY
—ELECTIVES—**

DBEB (Fall) 2201 – Business Basics for the Dental Professional (0.5 cr.)

1st & 2nd Year

Instructor: Welch

Limits: 100 maximum

Prereq.: None

Day & Time: TBA

Description: The goal of this elective is to offer the beginning dental student the opportunity to learn more about setting priorities in personal and business financial management and planning. The student will be introduced to basics in budgeting, banking & saving, investing and in controlling and managing debt.

Method of instruction: Seminar setting, using BlackBoard for some assignments and exercises.

Evaluation: Project completion

DBEB/DBEC (Fall/Spring) 2202 - Service Learning Opportunity - Geriatric Oral Health Care Needs in the Community (1.5 cr.)

2nd and 3rd Year

Instructors: Sadowsky

Limit: 10 maximum

Prerequisite: Instructor Approval

Day & Time: Six sessions

Description: Students are invited to participate in teams to assess the status of geriatric oral health in community centers. Learners will have the opportunity to acquire the skills of observation, communication, examination and professionalism. Students have a myriad of chances to intercede in and make better the life of the community dwelling community elders with their focus on the oral and dental well-being of the participants. It is essential to interact with the family and caregivers who maintain or improve physiological, psychological and social well-being of the participants and will involve collaboration with an interdisciplinary team to analyze hindrances in access to care and make appropriate recommendations about an oral health problem resolution involving the elderly.

Objectives: The course is intended to allow students to receive:

- (1) practical knowledge on difficult cases involving management of oral/dental challenges of elderly.
- (2) preparation of a life review of geriatric participants
- (3) a team approach
- (4) instruction and practice with online materials
- (5) information on oral hygiene knowledge of the geriatric participant
- (6) capacity of care of the family of the participant and understanding the family communication dynamics
- (7) co-operative presentation of conclusion before a live audience which offers insight of elder oral care,
- (8) useful interaction with authorities in community geriatrics
- (9) discussion of access to Houston-based dental care

Week 1: (3rd week of semester) Present participating sites to the students. Students will be assigned to one of three locations or others as needed

1. 600 Telephone Road
2. 75 Lyerly (I 45 North at Airline)
3. 7225 Belle rive (Off 59/69 between Hill croft and Bellaire Blvd)

Student teams will be assembled. Contextual information delivered and students will be given overview of timeline to the project as well as elective goals.

Week 2: (4th week): Orientation – Explain the common oral manifestations of systemic diseases in the geriatric adults, discuss the barriers to care for the elderly in Texas, and explain the geriatric survey to be used during the interviews. Also, review HIPAA with the students to de-identify the surveys. Instruction will be given for information dissemination during elective.

Week 3: (5th week) Conduct mock interviews between students to practice conversing with the geriatric population.

Week 3 – 12 (5th – 15th week): Schedule participants (site managers will assist in recruiting residents). Make two visits to the same site with a minimum of 6 weeks between visits. The first visit will be conducted with student leaders or Dr. Sadowsky. Students will see the minimum 5 participants for individual interviews and oral care product delivery. If the resident is willing, discuss medications and possible oral interactions. Discuss access to care, physician/medical care, proper oral hygiene implementation, and any other oral health concerns.

Week 13 & 17: Students present “Lunch and Learn” (two/three teams per session) Students will discuss their experience with their assigned community, survey statistics, and potential solutions to resolving the communities’ barriers to oral health care.

Method of instruction: Hands-on participation in several community participant cases with life review, methods of evaluation of oral health instructions.

Evaluation: Attendance, self-evaluation, oral inquiry, participation in preparation and delivery of Student Lunch and Learn.

DBEC (Spring) 3409 – Clinical Specialty Clerkship Honors in Periodontics (1.0 cr.) 3rd Year
Instructor: Eswaran **Limits:** 4 maximum
Prereq.: Instructor approval **Day & Time:** TBA
Description: Students must have completed all third year Periodontic experiences through the fall of the 3rd year and have achieved at least an 85% average in all Periodontics courses. Students must be in the top 25% of their class. It is expected that the student would gain experience in prescriptive surgical procedures such as crown lengthening and exposure to more sophisticated soft tissue grafting and esthetic procedures. Students will have the opportunity to plan and treat an implant case in conjunction with a senior resident and the faculty.
Objectives: The purpose of this course will be to provide the student with an advanced experience in clinical Periodontics. The general objective will be to integrate the 4th year student as much as practical into the postgraduate Periodontics experience in anticipation of application to a postgraduate program in Periodontics.
Method of instruction: Clinical
Evaluation: Project completion, oral, and faculty evaluation

DBEB (Fall) 4108 – Forensic Odontology (0.5 cr.) 2nd, 3rd, or 4th Year
Instructor: Delattre **Limits:** 15 minimum
Prereq.: None **Day & Time:** Th 12:00-12:50 room SOD 5315
Description: This elective course will introduce the participant to the field of forensic science, focusing on forensic dentistry. Participants will be required to attend a series of five **sessions** and take a final written exam on the material presented.
Objectives:

1. Understand the scope of forensic dentistry
2. Understand the role of forensic pathology, forensic anthropology, forensic photography, and forensic dental radiology
3. Understand human dental identifications, child abuse issues, and bite mark investigations
4. Understand dental jurisprudence and dental record keeping

Method of instruction: Lecture and participation
Evaluation: Final written exam comprised of multiple choice, short answer, and matching questions. Students must attend at least 4 of the 5 sessions to receive credit for this elective course. Students attending all 5 sessions are exempt from the written exam. Students are advised to check their rotation and personal schedules prior to registering.

DBEC (Spring) 4122 – Advanced Forensic Odontology (0.5 cr.) 2nd, 3rd or 4th Year
Instructor: Delattre **Limits:** 15 maximum
Prereq.: Instructor Approval, DBEB 4108 **Day & Time:** Th 12:00-12:50 room SOD 5315
Description:
This elective will provide the dental student with practical experience in the field of forensic odontology. Students must have successfully completed DBEB 4108 Forensic Odontology. Participants will be required to attend a series of five sessions, take part in simulated forensic activities, participate in a tour of the Harris County Forensic Science Center with the class and take a final written exam on the material presented.
Objectives:

1. Produce a dental graduate with the level of skill and competence in forensic dentistry expected of a general dental practitioner.
2. Produce a dental graduate with the level of skill and competence in forensic dentistry to be an effective participant with local, state, or federal authorities in civil or criminal matters requiring dental expertise.
3. Produce a dental graduate who appreciates their responsibility to assist the medical-legal community.
4. Produce a dental graduate who appreciates their responsibility to participate in continuing education and research in the field of forensic dentistry.

Method of instruction: Lecture and participation
Evaluation: Final written exam comprised of multiple choice, short answer, or matching questions. Students must attend at least 4 of the 5 sessions to receive credit for this elective course. Students attending all 5 sessions are exempt from the written exam. Students are advised to check their rotation and personal schedules prior to registering.

DBEC (Spring) 4208 – Teaching PreClinical Operative (1.0 cr.)

4th Year

Instructor: Patel

Limits: 4 maximum

Prereq.: Instructor Approval

Day & Time: TBA

Description: Operative Dentistry taught to students by students under faculty supervision.

Objectives: To expose fourth year dental students to academic teaching. Strengthen student's operative skills and gain an understanding of 1st year dental students.

Method of instruction: Pre-clinical lab teaching experiences

Evaluation: Attendance/Observation

DBEB/DBEC (Fall/Spring) 4210 – Sleep Apnea in Clinical Dental Practice (0.5 cr.)

4th Year

Instructor: Levine, P.

Limits: None

Prereq.: None

Day & Time: TBA

Description: This elective will provide necessary information graduating seniors will have proper knowledge to screen patients for the presence of sleep apnea. The causes of OSA, the co-morbidity of OSA, the physiology of OSA, and the current treatments available to treat OSA will be discussed.

Objectives: The course will allow student to:

- (1) Understand the anatomical causes of OSA
- (2) Understand the physiological consequences of OSA
- (3) Be able to screen patients for OSA
- (4) Understand the current treatments for OSA
- (5) Be familiar with the concept of polysomnography
- (6) Describe the role of the dentist in the screening for and treatment of OSA according to current Texas State Board of Dental Examiners Rule 108.12 (Dental Treatment of Sleep Disorders)

Method of instruction: Lecture

Evaluation: Multiple Choice

DBEB/DBEC (Fall/Spring) 4211 – Advanced Sleep Apnea in Clinical Dental Practice(0.5 cr.)

4th Year

Instructor: Levine, P.

Limits: None

Prereq.: DBEB/DBEC 4210

Day & Time: TBA

Description: This elective will provide the student with the knowledge to understand the steps involved to successfully treat patients with oral appliances for sleep apnea. The first half of the course will be didactic, and the second half will be hands on in the operatories and lab. The students will pair up and take impressions and bite records on each other. They will learn proper titration techniques of oral appliances. This knowledge base will hopefully lead them to further their education after graduation to pursue treating patients with breathing disorders.

Objectives: The course will allow student to:

- (1) Learn advanced anatomy and physiology associated with sleep disordered breathing
- (2) Be able to perform a comprehensive exam for evaluating if a patient is a candidate for oral appliance therapy
- (3) Learn the objectives for successful treatment with oral appliance therapy
- (4) Learn how oral appliances work to open the pharyngeal airway
- (5) Take impressions and a bite record for the construction of a mandibular advancement appliance
- (6) Construct a morning aligner and understand it's rationale for use
- (7) Discuss side effects and complications of oral appliance therapy
- (8) Learn the parameters of care for oral appliance therapy according to the AADSM
- (9) Learn the proper titration techniques to lead to successful treatment with an oral appliance

Texas State Board of Dental Examiners Rule 108.12 (Dental Treatment of Sleep Disorders)

Method of instruction: Lecture

Evaluation: Project completion

DBEC (Spring) 4304 – Clinical Specialty Clerkship Honors in Endodontics (1.0 – 2.0 cr.) 4th Year

Instructor: Dorn

Limits: 2 maximum

Prereq.: Instructor approval

Day & Time: TBA

Description: Students must be in the upper half of the class. Student need to submit an application to the Department of Endodontics by November 1st. Notification of selection will be in early December. Selected students would still need to complete all minimal essential endodontic experiences and all endodontic competencies. Clerkship curriculum:

1. Participation in Graduate Endodontics Case Presentation Seminar.
2. Participation in Graduate Endodontics Current Endodontic Literature Seminar.
3. Assist, as available, in the Graduate Endodontics Clinic
4. Treat patients, as available, in the Graduate Endodontics Clinic.

Objectives: Afford selected students the opportunity to gain additional knowledge and clinical experience in Endodontics through more advance patient treatment and attendance at graduate Endodontic Presentation seminars and Literature seminars.

Method of instruction: Clinical

Evaluation: Faculty evaluation and patient care

DBEB/DBEC (Fall/Spring) 4605 –Clinical Specialty Clerkship Honors in Prosthodontics (1.0 cr.) 4th Year

Instructor: Belles

Limits: 8 maximum

Prereq.: Instructor approval

Day & Time: TBA

Description: Students must have completed all third year courses, be in good academic standing, recommended by their 3rd year Group Leader and have the approval of their Practice Leader. Students will be exposed to an advanced level of prosthodontic care and will be required to document a patient's complete treatment, resulting in a case presentation to the department faculty, residents and fellow honor students.

Objectives: To help students understand screening, diagnosis, and treatment planning procedures for advanced prosthodontics cases. Assist students with documentation of prosthodontic cases suitable for presentation for continuing education. To introduce students to clinical teaching and stimulate interest for advanced training in prosthodontics.

Method of instruction: Clinical

Evaluation: Faculty evaluation of patient treatment, clinical teaching, and end of course presentation.

DBEB/DBEC (Fall/Spring) 4706 – Oral and Maxillofacial Surgery Externship (2.0 cr.) 4th Year

Instructor: Demian

Limits: 2 maximum

Prereq.: Instructor approval, completion of third year including third year oral and maxillofacial surgery requirements.

Day & Time: TBA

Description: The course will be an intensive block of time (minimum two weeks, preferably one month or longer) in which the student will work in hospital outpatient clinics, take facial trauma call with residents every third night, and get exposure to emergency room and operating room protocol.

Objectives:

1. To allow students considering specializing in oral and maxillofacial surgery an opportunity to be exposed to the full scope of the specialty.
2. To learn the expectation of OMFS training.
3. To gain experience working in a hospital setting.
4. To gain experience in outpatient surgery
5. To gain insight in evaluating OMFS training programs.
6. To allow the faculty to evaluate potential residents for the OMFS training program.

Method of Instruction: Special project

Evaluation: Project completion

DBEC (Spring) 4712 – Clinical Specialty Clerkship Honors in OMFS (2.0 cr.) 4th Year
Instructor: Gilbert **Limits:** 2-6 maximum
Prereq.: Instructor approval **Day & Time:** TBA
Description: Students must have passed 2801, 3801 with a NBDE Part I score >88 and ranked in first quintile. Selected students will be given the opportunity to (1) perform more complex dentoalveolar surgery procedures, (2) develop skills using a surgical handpiece, and (3) be exposed to parenteral sedation techniques under the supervision of oral surgery attending faculty. All scheduled surgery procedures will require faculty approval and will require the participant to have another dental student assistant.
Objectives: The course is intended to allow dental students interested in the specialty of oral and maxillofacial surgery to gain clinical experience performing more complex dentoalveolar surgery to include third molars. Additionally, the student will learn to start IV lines and administer parenteral anesthetics under the supervision of the attending oral surgery faculty.
Method of instruction: Clinical
Evaluation: Clinical Performance

DBEC (Spring) 4801 – Clinical Specialty Clerkship Honors in Orthodontics (1.0 – 2.0 cr.) 4th Year
Instructor: English **Limits:** 4 maximum
Prereq.: Instructor approval **Day & Time:** TBA
Description: Students who have demonstrated exceptional academic and Clinical performance with an interest in Orthodontics as a specialty and have the approval of their Practice Leader will be provided advanced training in orthodontic diagnosis and treatment prior to beginning a residency program in orthodontics.
Objectives: During February through May, selected students will have the opportunity to participate in performing orthodontic diagnosis, treatment planning and more complex treatment on orthodontic cases under the supervision of attending orthodontic faculty. The course is intended to expose the student to sound principles of diagnosis, patient management and clinical judgment. Students are also expected to attend all seminars, meetings and clinic during 1-2 half-day sessions each week.
Method of instruction: Clinical
Evaluation: Oral inquiry

DBEC (Spring) 4901 – Advanced Cardiac Life Support (1.0 cr.) 4th Year
Instructor: Pate, McMahon **Limits:** 1 minimum-10 maximum
Prereq.: Instructor approval **Day & Time:** One time only–dates to be arranged
(Th, F - 1-5, Sa - 8-5)
Description: Students will receive training in the diagnosis and treatment of cardiac emergencies. This includes textbook assignments and lectures on background material, as well as hands-on practice of the techniques on life-like manikins and simulators. This is an intensive program ending with both written and practical evaluation. Students achieving at least 84% on written tests and passing marks on performance tests are recognized by the American Heart Association as ACLS Providers.
Objectives: Objectives of the ACLS program include:
1. Performing rapid, accurate diagnosis of cardiac emergencies.
2. Performing proper treatment of cardiac emergencies including:
a. basic life support,
b. use of adjunctive equipment for ventilation and circulation,
c. monitoring and dysrhythmia recognition,
d. starting and maintaining an IV, and
e. employing drug and electrical therapies.
Method of Instruction: Lecture, laboratory
Evaluation: Skills testing, oral, multiple choice

DBEB/DBEC (Fall/Spring) 5001 – Table Clinic (0.5-2.0 cr.) 1st, 2nd, 3rd, 4th Years
Instructor: TBA **Limits:** None
Prereq.: None **Day & Time:** TBA
Description: TBA
Objectives: TBA
Method of Instruction: Table clinic
Evaluation: TBA

DBEB/DBEC (Fall/Spring) 5002 – Thesis, Literature Review (0.5-2.0 cr.) 1st, 2nd, 3rd, 4th Years
Instructor: TBA **Limits:** None
Prereq.: None **Day & Time:** TBA
Description: TBA
Objectives: TBA
Method of Instruction: Thesis
Evaluation: Project completion Term paper

DBEB/DBEC/DBEA (Fall/Spring/Summer) 5003 – Investigative Research (0.5-2.0 cr.) 1st, 2nd, 3rd, 4th Years
Instructor: TBA **Limits:** None
Prereq.: None **Day & Time:** TBA
Description: TBA
Objectives: TBA
Method of Instruction: Research
Evaluation: Project completion

DBEB/DBEC (Fall/Spring) 5004 – Special Projects (0.5-2.0 cr.) 1st, 2nd, 3rd, 4th Years
Instructor: TBA **Limits:** None
Prereq.: None **Day & Time:** TBA
Description: TBA
Objectives: TBA
Method of Instruction: Special project
Evaluation: Project completion

DBEB/DBEC (Fall/Spring) 5007 – Beyond Silos: Art of Observation (0.5 cr.) 1st, 2nd, 3rd, 4th Years
Instructor: Franklin **Limits:** 20 (Fall), 12 (Spring)
Prereq.: None **Day & Time:** TBA
Description: Observation, description and interpretation are essential skills in clinical diagnosis. These talents are also requisite in the visual arts. Thus, if health science students can improve their skills of observation in a safe environment by first looking at art, this will translate into enhanced skills when observing medical and dental photographs, virtual scenarios and, ultimately, when caring for the whole patient. In a novel collaboration between the Museum of Fine Arts at Houston and the UT Medical School and School of Dentistry, students can spend three evenings (5:30-7:30) at the Museum enhancing their observation and communication skills. Under the direction of experienced art educators and UT faculty, students are provided with a unique learning opportunity that encourages the use of both sides of the brain in a fun and stimulating environment. Attendance at all sessions, participation in a focus group and the writing of a reflective paper are required for this elective.
Objectives: At the conclusion of the course, students should be able:
1. To foster interprofessional dialogue for improved patient care through the clinical humanities and ethics.
2. To enhance observation skills.
3. To enhance interprofessional communication skills.
Method of Instruction: Lecture
Evaluation: Attendance/Essay/Participation

DBEB/DBEC (Fall/Spring) 5008 – Beyond Silos: Ethics, Historical Lessons (0.5 cr.) 1st, 2nd, 3rd, 4th Years

Instructor: Franklin

Limits: 15

Prereq.: None

Day & Time: TBA

Description: This online and interprofessional course will explore ethics through the perspective of historical case studies and movies. Events in history will be analyzed for the role of health care providers and policy makers in acts that in retrospect many of us question the ethics of the people involved. Examples include the response of communities and governments to infectious diseases, such as AIDS and leprosy, research issues including informed consent and research integrity, such as the Tuskegee experiment, as well as the history of the central role played by physicians, dentists and nurses in planning and implementing genocide in the name of eugenics and racial hygiene during the Holocaust and other genocides, such as Rwanda. The course will focus on exploring the lessons we can learn from history as we confront the challenges of problems in today's society and in the future. Students may select 6 or more lectures that will be posted on Blackboard and watch one movie during the semester. In addition, a brief reflection paper (3-typed pages) regarding the lectures and the movie that the student selected to watch and their impact on their perspective of these ethical issues will be required.

Objectives: At the conclusion of the course, students should be able:

1. To identify and analyze events in history using an ethics framework.
2. To apply principles of ethics to the analysis of current and past events.
3. To analyze the lessons that can be learned from history and apply them to current biomedical issues.

Method of Instruction: Online

Evaluation: Essay

DBEC (Spring) 5009 – Beyond Silos: Mental Illness, Humanities (0.5 cr.)

1st, 2nd, 3rd, 4th Years

Instructor: Franklin

Limits: 6

Prereq.: None

Day & Time: TBA

Description: What is the moral meaning of mental illness? What is it like to be mentally ill? How can we, as healthcare professionals, best care for sufferers of mental illness, as well as their families and friends? To answer these questions, we turn to sufferers and their loved ones themselves, as this elective explores memoirs of mental illness – a literary genre sometimes referred to as “pathography.” Each session will focus on pathography of mental illness, including texts such as William Styron’s *Darkness Visible* (a memoir of depression/melancholia) and Kay Jamison’s *A Unquiet Mind* (a memoir of bipolar disorder/manic-depression). The final reading list for the elective will be distributed in December. This elective is reading-intensive, and each class meeting will be discussion-based – that is, the class meetings will be conducted as a humanities-style graduate seminar led by students.

Objectives: The students will demonstrate their knowledge of:

1. To foster interprofessional dialogue for improved patient care through the clinical humanities and ethics
2. To initiate interprofessional discussions on human behavior and social justice in health care
3. To develop skills in reflective thinking to better understand an individual based on personal, cultural and social influences

Method of Instruction: Seminar

Evaluation: Reading/Participation in class discussion

DBEB (Fall) 5111 – Dental Insurance Management in Private Practice (0.5 cr.)

3rd, 4th Years

Instructor: Ruona

Limits: 25

Prereq.: None

Day & Time: TBA

Description: This elective will serve to provide students a foundation of managing dental insurance as they enter private practice as either an associate dentist or practice owner. Accurate and ethical coding and billing will be emphasized. A working knowledge of dental insurance will also allow students to accurately evaluate the financial implications of plan participation.

Objectives: The students will demonstrate their knowledge of:

1. Understand the organization and utilization of CDT procedure codes and be able to determine proper coding and billing protocols for treatment commonly provided in general practice.
2. Compare and contrast the types of dental insurance plans, the various levels of provider status available and financial considerations of joining as a contracted provider.
3. Navigate the electronic life-cycle of a dental insurance claim from its creation in the practice management software to its payment by direct deposit.

Method of Instruction: Seminar

Evaluation: Project completion and attendance

DBEB/DBEC (Fall/Spring) 5201 – Special Project in Educational Research (1.0 cr.) 1st, 2nd, 3rd, 4th Years

Instructor: Quock

Limits: 1 minimum

Prereq.: Successful completion of fall semester, 1st year, DDS program
Instructor Approval

Day & Time: TBA

Description: Past experience has shown that some students want to experience “what dental faculty do,” including educational research. Prior to instructor approval of enrollment in this elective, students must submit a well-designed protocol for an educational research study (predicted effort must be equivalent to 1.0 credit hour). Students will conduct the research study during the academic year, culminating in the evaluation of the study and public presentation of the findings. An example of current proposal from students involves evaluating the effect on qualitative (questionnaire) and quantitative (course grades) performance of first year dental students who participate in weekly near-peer led study/learning sessions, which will be conducted by the elective enrollees.

Objectives: The students will demonstrate their knowledge of:

1. Identifying and educational research question/problem.
2. Designing and carrying out a project to investigate the aforementioned education research question/problem.
3. Evaluating project and its results, and present these findings in a public forum.

Method of Instruction: Research

Evaluation: Project completion

DBEB (Fall) 5203 – Dental Fitness (0.5 cr.)

1st, 2nd, 3rd, 4th Years

Instructor: Cooley

Limits: 1 minimum

Prereq.: None

Day & Time: TBA

Description: This elective is designed to stress the importance of taking care of the individual's body as it is subject it to the rigors of performing four-handed dentistry. It will cover principles of how stressors occur; ergonomic preventive guidelines; strength, flexibility and conditioning techniques; and how to take care of the individual for a lifetime of practice. Current evidence based studies will be part of the elective, along with accepted training principles.

Objectives: The students will demonstrate their knowledge of:

1. Understand why dentists are physically at risk due to occupational hazards and learn how to minimize these risks.
2. Understand the importance of fitness in everyday dental practice.
3. Understand the relationship of flexibility, aerobic activity, and strength in dental fitness.
4. Recognize which muscles are at risk due to physical stress in dentistry.
5. Learn practical ways to increase flexibility in and outside the office.
6. Recognize proper techniques for physical stretching.
7. Know which muscles should be targeted and which ones should be cautiously addressed when undergoing strength training.
8. Perform “hand on” stretches that can be used daily in the dental office.
9. Learn basic ergonomic principles used in four-handed dentistry.
10. Learn how to establish a personal exercise program tailored to dental professionals.
11. Understand how to best utilize a fitness trainer, if one is utilized.
12. Know when to seek medical guidance and know what options are available.

Method of Instruction: Lecture

Evaluation: Project completion

DBEB/DBEC (Fall/Spring) 5901 – Instructor CPR (1.0 cr.)

1st, 2nd, 3rd, 4th Years

Instructor: Pate

Limits: None

Prereq.: None

Day & Time: TBA

Description: This elective consists of lectures on background material relevant to teaching CPR as well as manikin skills mastery. Students must be able to demonstrate their CPR skills on a manikin, demonstrate their teaching skills by presenting a lecture, and demonstrate their knowledge on a written exam (84% or better). Students who meet these criteria are recognized by the American Heart Association as Basic Life Support Instructors.

Objectives: The students will demonstrate their knowledge of and ability to teach:

1. One rescuer adult CPR
2. Child and infant CPR
3. Two rescuer CPR
4. Airway obstruction maneuvers
5. The use of a pocket mask

Method of Instruction: Lecture, laboratory

Evaluation: Performance tests, oral, multiple choice

DBEB/DBEC (Fall/Spring) 5908 – Evaluation Presentation Scientific Research (1.0 cr.) 1st, 2nd, 3rd, 4th Years

Instructor: Fakhouri/Kasper

Limits: 4 minimum/16 maximum

Prereq.: None

Day & Time: Thu, 12-1

Description: This elective is available to all dental students who desire to improve their oral presentation skills and knowledge about current research in a stimulating and critical-thinking environment. Students who participate in this elective will orally present scientific articles or their own research results if they have sufficient data, including background information from published studies. The scientific articles and topics will be assigned by the instructors; however, students are encouraged to propose other relevant topics or studies. Instructors will provide information about how to formulate an informative and effective presentation for 40-45 minutes. Presenters will explain the strengths and weaknesses of their data and the rationale for their approach at the end of their presentations. Participants will ask questions and fill out an anonymous short evaluation for each presenter.

Objectives: Participants will:

1. Have an opportunity to improve their presentation skills
2. Develop and formulate informative and appealing presentations
3. Learn about current research and clinical findings in dental and craniofacial research areas
4. Improve critical thinking skills
5. Read scientific articles and explain scientific data and models
6. Be encouraged to introduce practical examples for Evidence-Based Dentistry
7. Evaluate the strengths and weaknesses of each presentation.

Method of Instruction: Oral presentations

Evaluation: Presentations, attendance and participation

DBEC (Spring) 6201 – Color and Appearance: Theory and Practice (1.0 cr.) 2nd, 3rd, 4th Years
Instructor: Paravina **Limits:** 4 minimum
Prereq.: Instructor approval **Day & Time:** W, 12-1
Description: Students will learn some appearance attributes such as gloss, surface roughness, transparency, translucency, opalescence, fluorescence, and phosphorescence. Color corrections of restorative materials and tooth bleaching will be covered as well. In addition, the student will learn about clinical shade matching and participate in a color training program using custom designed software.
Objectives: To learn about color and its application in dentistry.
Method of Instruction: Lecture, exercises
Evaluation: Attendance and completion of the class assignment

DBEB/DBEC (Fall/Spring) 6801 – Honors in Pediatric Dentistry (1.5 cr.) 3rd, 4th Years
Instructor: Herbert **Limits:** 4
Prereq.: Instructor Approval **Day:** Mon./Tues.
Description: This elective is directed toward students who have a strong interest in pursuing pediatric dentistry upon graduation. It is intended to allow the student to further their knowledge in the field gaining a broader perspective and more detailed knowledge of pediatrics.
Objectives: Students will choose from the following list to present to the Pediatric Dentistry club. References to include no fewer than five recently published articles on the topic of choice.
1. Fluoride and new fluoride therapies
2. Pulp/vitality/therapy (diagnosis, procedure, old and new materials)
3. Sedation dentistry
4. The changing face of behavior guidance
5. Anticipatory guidance, OHI and talking to the parent
6. Childhood obesity
7. Special needs/medically compromised Patients
8. Common and new dental materials in pediatric dentistry
Method of Instruction: Literature Review/Shadowing in Clinic
Evaluation: Project Completion

DBEB/DBEC (Fall/Spring) 7115 – Pediatric San Jose Clinic (0.5 cr.) 3rd, 4th Years
Instructor: Lewis, R. **Limits:** 15
Prereq.: Instructor Approval **Day:** Saturdays
Description: Students under Pediatric dentistry faculty supervision will perform appropriate dental treatment for the San Jose pediatric patients. San Jose is a non-profit community based dental clinic with 13 chairs located in downtown Houston. Students will provide their own transportation to the clinic. A case presentation of treatment rendered will be showed at a group meeting of all participants. The time and place will be announced. Student must attend two Saturday sessions per semester.
Objectives:
1. To gain clinical experience in Pediatric dentistry.
2. To become familiar with non-profit, community based dentistry.
3. To compare the difference between school based and non-profit dental service delivery.
Method of Instruction: Hands-on participation
Evaluation: Case presentation

DBEB/DBEC (Fall/Spring) 7208 – Urgent Care (1.0 cr.) 3rd, 4th Years
Instructor: CD Johnson **Limits:** 40
Prereq.: None **Day & Time:** TBA
Description: Students, under faculty supervision, will perform appropriate dental treatment for Urgent Care.
Objectives: To gain clinical experience in general dentistry.
Method of Instruction: Clinical supervision
Evaluation: Attend eight clinic sessions

DBEC (Spring) 7210 – Oral Medical Examination (1.0 cr.) 3rd, 4th Years
Instructor: Paravina **Limits:** none
Prereq.: Instructor approval **Day & Time:** W, 12-1
Description: All participants will be required to complete two sessions of full head and neck and oral medical examination on new patients. The sessions will be held in the urgent care or assessment clinics under supervision by faculty instructors on the elective.
Objectives: The main objective of this elective is to emphasize proper and thorough head, neck and oral soft tissue examination to the dental students within a clinical setting. Students should be able to describe any lesions found, give differentials and suggest subsequent course of action.
Method of Instruction: Lecture, open discussion, patient examination, debriefing period
Evaluation: Oral

DBEB/DBEC (Fall/Spring) 7701 – Traumatic Injuries (0.5 cr.) 3rd, 4th Years
Instructor: Gilbert **Limits:** 15 maximum
Prereq.: DENS 2801 **Day & Time:** Weekend (one 24-hour period).
 Assignments will be made by the instructor.
Description: The student will be on call with the oral and maxillofacial surgery resident at Ben Taub Hospital over a 24-hour period. During that time period, all patients with traumatic injuries to the head and neck region will be seen for diagnosis and treatment of their problems. After the completion of the 24-hour period, the student submits a written report describing the diagnosis and treatment of all patients.
Objectives: To learn more about patients with traumatic injuries of the head and neck, and to observe, and assist in the diagnosis and treatment of such patients.
Method of Instruction: Clinical
Evaluation: Term paper

DBEB/DBEC/DBEA (Fall/Spring/Sum) 7706 – Advanced Education in General Dentistry 3rd, 4th Year
(AEGD)Mini-Residency (1.0 cr.)
Instructor: Kiat-Amnuay **Limits:** 20 maximum
Prereq.: Instructor approval, satisfactory didactic/clinical progress. **Day & Time:** TBA
Description: Students will sign up for one full week (Monday-Friday) with the Advanced Education in General Dentistry (AEGD) Residency Program. Activities will include:
 1. Observe and assist AEGD residents in clinical patient care activities.
 2. Attend all seminars and conferences.
 3. Treat dental emergency patients presenting to AEGD dental clinic under direct faculty supervision.
Evaluation: Pass/Fail upon completion

DBEC (Spring) 9102* – Dental Specialties & Advanced General Dentistry Programs (1.0 cr.) 2nd, 3rd Year
 *(offered alternate, odd numbered years: Spring '17, '19, '21 etc.)
Instructor: Pierpont **Limits:** 20 minimum-no Limits
Prereq.: **Day & Time:** Tu, 12-1
Description: Opportunities in accredited and non-accredited advanced dental education and research programs will be explored. Dental generalists and specialists from the school and private community will speak on each dental specialty and advanced general dentistry program in a one-hour seminar format. Included will be all ADA-accredited programs plus other non-accredited opportunities in areas such as esthetic dentistry, TM disorders, oral biomaterials, and implant dentistry. Students will also learn how to build and submit an application, how to approach interviews, and how the selection and matching process works.
Objectives:
 1. To educate students on what postdoctoral dental education and research opportunities exist and requirements for entrance into such programs.
 2. To educate students on the professional opportunities and activities of each accredited dental specialty and advanced general dentistry graduate.
 3. To educate students on the application, interview, and selection processes for advanced dental education programs.
Method of Instruction: Seminar
Evaluation: Attendance and submission of speaker critique forms