

THE UNIVERSITY OF TEXAS
SCHOOL OF DENTISTRY AT HOUSTON
ELECTIVE COURSE INFORMATION

DBEC 1102 (Spring) Ethics Video (Telecommunication) (0.5 cr)

Instructors: Long, Ben Warner

Prereq: DENF 1621 Ethics in Dentistry

1st, 2nd, 3rd Year

Limits: max 16

Description: This elective provides a forum for the creation of a video for entry in the ADA Student Ethics Video Contest and must meet the guidelines of the ADA Video Contest and the approval of the sponsoring faculty. The video should draw attention to the ethical dilemmas that dental students and dentists may encounter and/or new categories that maybe included in the ADA contest. This elective provides an opportunity for students to consider ethical decision-making and to foster those character traits that adhere to ethical principles that may be utilized throughout their continuing education and subsequent professional career.

Instruction: Seminars as needed

Evaluation: Completion of video no more than 4½ minutes in length.

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

Instructors: Sadowsky

Prereq: Instructor Approval

3rd, 4th Year

Limit: max 10

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.

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/preparation/delivery of Student Lunch and Learn.

DBEA (Summer) 3051 PEDI Cleft Lip/Palate Multi-Disciplinary Observation (1.5 cr)3rd Year**Instructor:** Hansen-Kiss**Limits:** max 3**Prereq:** Instructor approval required. Students must apply.**Day/Time:** 8:30 am -1 pm, Wed, with variations

Description: Students will observe clinical and surgical/dental management of children with orofacial clefts, which require medical management by multiple specialties working collaboratively to provide optimal care and outcomes. These opportunities will expose students to high-volume, fast-paced multi-disciplinary clinics to gain insight into the medical and surgical management of children with orofacial clefting and craniofacial differences. These multiple specialties include Plastic Surgery, Orthodontics, Oral Maxillofacial Surgery, Pediatric Dentistry, Genetics, Speech, and ENT.

This elective would require that interested students attend 2-3 Shriners Cleft Team days (Wednesday mornings in Scurlock Tower), attend 1-2 surgical observations (Galveston hospital, various days), and 1 Ortho observation (optional, Missouri City, Wednesday morning) over the course of the summer. Eligibility for this elective will be determined by the Director of Clinical Education and the Office of Student and Academic Affairs. Students interested in participating in the elective are encouraged to work closely with Dr. Barros and their Group Practice Director beginning in the Fall Semester to ensure that they are eligible to participate. For more information, contact Emily.HansenKiss@uth.tmc.edu.

Objectives:

- 1) Describe the medical and surgical management of children with orofacial clefting: understand timing and goals for treatment.
- 2) Identify how multiple disciplines collaborate to provide optimal patient care.
- 3) Identify developmental milestones, physical features, and family history that may be indicative of an underlying genetic syndrome.

Method of Instruction: Clinical observation**DBEB 3052 (Fall) Creating Lifetime Patients for Your Practice (0.5 cr)**1st, 2nd, 3rd Year**Instructor:** Long**Date/Time:** Tu or Wed, Noon**Prereq:** DENS 1624 Practice Management I**Limits:** min 6; max 20

Description: This seminar series will illustrate how to ethically generate loyal, lifelong patients by planning for the instructor's "10 Moments of Truth in Dental Practice," potentially saving the office thousands of dollars each month that the "average" dentist spends on advertising, discounts, and other promotions. This elective will instruct students on how to identify the individual values, personality, and oral health goals of every patient. Also emphasized will be the verbal skills and visual components that impress the patient, generate patient referrals, and cultivate their trust and loyalty for a lifetime. This course will include a complimentary copy of the instructor's personal, 16-page training script that successfully guided him and his staff for more than 30 years in practice.

Objectives:

1. List the "10 Moments of Truth" that must be addressed with each new patient visit.
2. Explain the "do's and don'ts of ethically branding your practice.
3. Relate how successful practices are built on the interpersonal skills of the doctor and staff.
4. Develop excellent verbal skills, incumbent for the doctor and staff in the patient-centered practice.
5. Describe techniques to encourage your patients to refer their friends and family to your dental practice.
6. Describe the "NEER" System of marketing your practice.
7. Demonstrate "The Exceptional New Patient Script" handout.

Method of Instruction: Seminar**Evaluation:** Oral, Essay, Term Paper or Video

DBEB 3106 (Fall) Spanish for Dental Professionals (0.5 cr.)2nd, 3rd, 4th Year**Instructors:** Rey**Limits:** min 5; max 40**Prereq:** A knowledge of basic conversational Spanish is mandatory.**Day/Time:** Wed, noon

Description: This course is intended to assist students evolving from their conversational Spanish into simple, professional, dental-applicable Spanish language skills to ease communication an interaction with Spanish-speaking-only patients. The student will be encouraged to recognize and comprehend cultural differences that may weaken outcomes. This elective will give students basic knowledge of terminology used in the UTSD electronic record, medical history, essential communication, and cultural aspects of communicating with dental patients in Spanish.

To receive credit for the elective, students need to be present for a minimum of **eight** of the eleven sessions, complete the oral presentation, and participate in class. If the student fails to attend at least three sessions without an excused absence, the student will not receive elective credit, as there is no remediation to replace the in-class experience.

Objectives: Apply anatomy and dental terminology in a clinical encounter with a Spanish-speaking patient. Demonstrate a set of essential skills for assessing medical and dental histories of patients in the Spanish language. Implement appropriate basic dental instructions and guidance in Spanish for a Spanish-speaking patient. Explain a basic assessment summary and treatment plan in Spanish to the patient.

Method of Instruction: Lecture, Spanish speaking under guidance of instructors**Evaluation:** Attendance, Oral Presentation**DBEB, DBEC, DBEA 3112 (Fall, Spring, Summer) Intellectual Disability Clinical Care at Brookwood (0.5 cr.)**3rd, 4th Year**Instructors:** Harrison, Fray, Sadowsky, Ben Warner**Limits:** min 1; max 10**Instructor approval required.****Day / Time:** Mon, 1-2 sessions totaling 8 hours

Description: This elective provides dental students an opportunity to receive clinical enriching experiences in diagnosis, treatment planning and management of adult patients with Intellectual and Developmental Disabilities (I/DD), as well as providing contemplative discussions with faculty on the value of interdisciplinary interaction with physicians, behavioral specialists and nurses for collaborative care. This course also reviews evidence-based clinic practices for interdisciplinary care. Through Brookwood facility and UTSD collaboration, dental students will acquire skills to diagnose, treatment plan, and manage adult patients with disabilities; learn about specific I/DD conditions (e.g. autism, CP, seizure disorder, Down syndrome).

Method of Instruction: Lecture and clinical**Evaluation:** Oral evaluation follows clinical instruction**DBEC (Spring) 3403 Special Patients Clinic Honors (0.5 cr)**4th Year**Instructor:** Potts**Limits:** min 1; max 3**Prereq:** Instructor approval**Day:** Rotation varies

Description: The purpose of this elective is to give additional insight, clinic experience and training when working with patients who are medically complex. This elective provides students an opportunity to further enhance their exposure to the diagnosis, treatment planning, management, and maintenance of patients with complex medical histories, as well as patients who require modifications in management of their dental treatment in order to achieve sustained oral health.

Objectives:

1. Demonstrate culturally appropriate patient management skills.
2. Manage the dental treatment of medically compromised, physically challenged, and/or geriatric patients.
3. Utilize dental auxiliaries as part of comprehensive treatment of medically compromised, physically challenged, mentally challenged, and/or geriatric patients.

Evaluation: At the semester's end, the student would provide a reflection essay, detailing what they have learned during their time in Special Patients Clinic

DBEC (Spring) 3409 Clinical Specialty Clerkship Honors in Periodontics (1.0 cr.)3rd Year**Instructor:** Eswaran**Limits:** max 4**Prereq:** Instructor approval**Day/Time:** TBA

Description: Students must have completed all third year Periodontic experiences through the fall of the third 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 fourth-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

DBEC 3717 Dental Specialties & Advanced General Dentistry Programs (0.5 cr.)

2nd, 3rd Yr

Instructor: Chan, M.

Limit: max 50

Day/Time: Wed, noon

Description: This elective consists of approximately 12 sessions, with each session led by faculty or program director from each of the advanced dental education programs to educate students on each discipline/program. Dental students will be provided with general information to help them navigate through the various, advanced education opportunities. Each session will have Q&A opportunities and training and insight into the process of PASS, Match, and Interview Process.

Objectives: Compare the various advanced dental education programs. Identify the different steps involved in the application process to the various advanced education dental programs. Recognize the value of pursuing advanced dental education.

Method of Instruction: Seminar

Evaluation: P/F grade determined by the number of completed in-class assignments. Assignment Forms will be distributed to students during the first 15 minutes of class time and collected at the end of the period to determine attendance. *Students are allowed a total of **three** excused or unexcused absences in the course and still receive credit for the course.*

DBEB, DBEC, DBEA (Fall, Spring Summer) 4004 Intellectual Disability Inter-Professional Care (0.5 cr.)

Su 2nd, 3rd, 4th Year

Instructor: Fray, B. Warner

Limits: max 10

Prereq: DENF 1934 Introduction to Population Health

Day / Time: Wed & Fri, 12-12:50 pm

Description: This elective course aims to provide students with an introduction to the treatment needs of adults with I/DD and the importance of an integrated care plan with behavioral specialists, physicians and nurses. Students will spend sixteen (16) hours total for the class with two three-hour sessions at the Baylor College of Medicine Transitional Care Clinic and ten, one-hour didactic sessions learning proper case selection, facial dysmorphism concerns, treatment planning, incremental desensitization and case coordination.

Objectives:

1. Introduce the fundamentals of dental evaluation/treatment planning for patients with Intellectual Disability.
2. Describe the major types of patients with intellectual and developmental disabilities (IDD) and their dental common conditions and complex medical co-occurring needs,
3. Discuss inter-professional interaction with physicians, behavioral specialists and nurses for collaborative care planning and sequencing of treatment to prepare students for clinical interaction with other professionals.
4. Describe the behavioral challenges and intensive adaptive interventions for patients with I/DD.
5. Review the evidence based clinical best practices for collaborative interdisciplinary care (IDC).
6. Provide the student with case study review for patients with I/DD comprehensively treated in an IDC clinic

Method of Instruction: Lecture and clinical

Evaluation: Final written exam comprised of multiple choice, short answer, and essay. Project completion. Students are advised to check their rotation and personal schedules prior to registering.

DBEB, DBEC (Fall, Spring) 4111 Resin Bonded Fixed Partial Dentures (0.5 cr.)

3rd, 4th Year

Instructor: Aponte

Limits: min 10, max 20

Day / Time: Wed, 12-12:50 pm

Description: This elective is designed to teach students to evaluate the factors that create a nice restoration, utilizing minimally invasive prosthodontics techniques. The evolution of minimalistic restorations will be presented: The work of Dr. Bowen; Drs. Van Thompson and Gus Livaditis ("Maryland Bridges"); and the designs of Dr. Stewart R. Halbauer and Dr. Rochett. Avoiding problems with each technique will be discussed. Clinical situations will be presented for discussion, analog and digital techniques will be compared, and the student will have the opportunity to prepare one, anterior minimalistic restoration--analog or digital.

Method of Instruction: Lecture and Laboratory.

Evaluation: Oral, project completion, term paper

DBEB (Fall) 4210 Introduction to Dental Sleep Medicine (1.0 cr.)**Instructor:** Abbassi/Wuertz2nd, 3rd, 4th Year**Limits:** min 10; max 50**Day/Time:** Tue, 12-12:50

Description: Students will learn about Sleep Related Breathing Disorders (SRBD) and its effect on quality of life of an individual, its effect on oral health, and overall health. Students also learn about pathophysiology, risk factors, comorbidities, and what key anatomical structures to look for during examination in order to be able to screen and recognize SRBD, including Obstructive Sleep Apnea. Students will learn about the role of a dentist in screening; recognize and refer patients to a physician for further evaluation if deemed necessary; as well as treatment modalities available, including Oral Appliance Therapy, and its mechanism on opening the pharyngeal airway.

Objectives: At the end of this course, the student will be able to:

- (1) Understand the anatomical causes of SRBD.
- (2) Understand adult and pediatric pathophysiology and consequences of SRBD.
- (3) Apply methods to screen patients for SRB and utilize common screening questionnaires.
- (4) Identify risk factors and comorbidities associated with SRBD.
- (5) Describe comprehensive exam and recognize oral and facial characteristics contributing to SRBD.
- (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 questions**DBEC (Spring) 4211 Advanced Dental Sleep Medicine (0.5 cr.)****Instructor:** Abbassi/Wuertz2nd, 3rd, 4th Year**Limits:** min 10; max 50**Prereq:** DBEB 4210 Introduction to Dental Sleep Medicine Elective**Day / Time:** Fri, 12-12:50 pm

Description: Students will learn more about advanced pathophysiology of airway and phenotypic factors involved in SRBD leading to Obstructive Sleep Apnea; learn more about diagnostic test used by physicians to diagnose the disorder, learn more in depth about the mechanism, designs, and materials used in different oral appliances, participate in hands on session(s) on taking impression, fabricating MyTap, and morning aligners, learn about possible side effects and how to manage them.

Objectives: At the end of this elective course, the student will be able to:

- (1) Understand advanced anatomy and physiology associated with sleep-disordered breathing.
- (2) Understand with the concept of polysomnography and other sleep testing modalities.
- (3) List the objectives for successful treatment with oral appliance therapy.
- (4) Understand the mechanism of oral appliances on pharyngeal airway.
- (5) Take impressions and a bite record for the construction of a mandibular advancement appliance.
- (6) Construct a morning aligner and understand its rationale for use.
- (7) Understand the parameters of care for oral appliance therapy according to the AADSM.
- (8) Understand the proper titration techniques that lead to successful treatment with an oral appliance. TSBDE Rule 108.12

Method of instruction: Lecture**Evaluation:** Multiple-choice questions**DBEB (Fall) 4212 Head and Neck Interprofessional Oncology (0.5 cr.)****Instructor Approval Required:** Ben Warner4th Year**Limits:** 1 min; 2 per-session max, totaling 22**Prereq:** None**Day / Time:** All day Thu

Description: The goal of this course is for the dental student to receive clinically enriching experiences in diagnosis, treatment planning, and management of patients with head and neck malignancies and be involved in contemplative discussions with faculty from UTHealth Houston Schools of Dentistry and Medicine. The student will join a multidisciplinary team that includes surgical oncologists, physical medicine specialists, audiologists, and speech therapists. The student will review head and neck clinical anatomy during procedures such as flexible laryngoscopy and is expected to have an active, point-of-care role in providing dental information to cancer patients. Through this TMC collaboration, the dental student will acquire skills to diagnose, treatment plan, and manage patients with neoplasms of the oral cavity, pharynx, larynx, trachea, nose, paranasal sinuses, thyroid, and parathyroid, and other head/neck diseases. Students will learn about the effects of surgery, radiation and chemotherapy, and specialized services for resulting deformities.

Method of Instruction: Clinic

Evaluation: 250-word essay describing cancer pathobiology and physiologic basis for the clinical decisions made during the clinic session attended. Submitted by email to Ben.F.Warner@uth.tmc.edu by 11:59 pm on the day of the

clinic session to receive credit.

DBEB (Fall) 4302 Clinical Specialty Clerkship Honors in Endodontics (1.0 cr.)

Instructor: Jeong

Prereq: Instructor approval

4th Year

Limits: min 5; max 13

Day / Time: Tue

Description: This elective course will afford selected students the opportunity to gain additional knowledge and clinical experience in Endodontics through more advanced patient treatment and attendance at graduate Endodontic Presentation seminars and Literature seminars. Students must submit the application form detailing their interests in Endodontics. Notification of acceptance will be in early December. Participating students will still need to complete all minimal, essential endodontic experiences and all endodontic competencies. Students will participate in this hands-on course, treating more advanced, nonsurgical root canal cases.

Objectives:

1. Apply knowledge of complicated anatomy of root canal systems in treatment protocol.
2. Apply concepts of advanced non-surgical root canal treatment in a clinic setting.
3. Develop non-surgical root canal treatment protocols in a variety of clinical scenarios.

Method of instruction: Clinical

Evaluation: Oral evaluation

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

Instructor: Belles

Prereq: Instructor approval, completion of all Third-Year courses

4th Year

Limits: max 2

Day / Time: TBA

Description: Students must be in good academic standing, recommended by their Third 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, and provide a case presentation to the department faculty, residents, and fellow honor students. Students will be introduced to clinical teaching and stimulate interest for advanced training in prosthodontics.

Objectives: Understand screening, diagnosis, and treatment planning procedures for advanced prosthodontics cases. Document prosthodontic cases suitable for presentation for continuing education.

Method of instruction: Clinical

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

DBEB, DBEC, DBEA (Fall, Spring, Summer) 4712 – Clinical Specialty Clerkship Honors in OMFS (2.0 cr.)

Instructor: Daniel

Prereq: Instructor approval

4th Year

Limits: max 2-6

Day / Time: TBA

Description: Students must have passed 2801, 3807. 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. 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.

Objectives: 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

DBEB / DBEC / DBEA (Fall, Spring, Summer) 4714 MOSAIC Global Service in Vulnerable Patient Care (1.5 cr)

Instructors: Fray, Ben Warner

Prereq: None

2nd, 3rd, 4th Year

Limits: min 2; max 15

Day/Time: TBA

Description: Dental and Dental Hygiene students have limited exposure to vulnerable patients in other cultures that require cultural competency to impact the social determinants of oral health to overall health. This is a joint project with the University of Puerto Rico School of Dentistry with the UTSD supported by private donation and grant funding for learning in community service. Reported positive outcomes from community and global health learning include

increased likelihood to care for patients who are economically and socially disadvantaged in the future, improved cultural awareness, and increased interest in public health and primary care career-related opportunities.

In this course we focus on three common student activities for global health learning in dental education: service learning, didactic learning, and experiential learning. Service learning consists of observing direct patient care as a trainee/student under the supervision of a faculty dentist. Experiential learning involves having a concrete experience related to but beyond content taught within the walls of the classroom that informs how students perceive social determinants in class and then visit community members in poverty and learn how that directly and indirectly impacts the health of community members. Optional IRB approved research will be encouraged.

This elective course provides second-year through fourth year dental students and second year dental hygiene students with an introduction to global service learning utilizing the resources of the global learning kit from Harvard School of Dental Medicine. Students will spend 25 hours total for the class with one, two-hour lecture; three, one-hour, lunch-and-learn sessions; and completion of five online didactic modules (4 hours each) learning cultural competency, addressing social determinants of health, ethics and primary care. After completion of the elective, students will be eligible to participate in one week of experience learning at UPR to be completed as a separate optional, noncredit-related activity. Evaluation by essays or short quizzes at each session prior to each of four didactic sessions.

RESOURCES: *Global Health Starter Kit Modules* (click link below)

[Module 1: Global Trends](#)

[Module 2: Global Goals](#)

[Module 3: Back-to-Basics Primary Care](#)

[Module 4: Social Determinants and Risks](#)

[Module 5: Ethics and Sustainability](#)

[Starter Kit FAQ](#)

Objectives:

1. Synthesize the fundamentals of dental evaluation with experiential clinical observation sessions in diagnosis, treatment planning and management of vulnerable patient populations when resources are scarce in a culturally competent environment.
2. Distinguish issues of global health conduct with ethical concerns.
3. Practice self-checks in order to recognize one's motivations.
4. Identify unintended negative impacts of a volunteer's presence in a marginalized community.
5. Analyze the differences between vertical and horizontal approaches to health, and formulate a combination of the two approaches (a "diagonal" approach) when considering global oral health improvement programs that are sustainable.
6. Participate in contemplative discussions on behavioral challenges to achieve oral health with families of people with intellectual disabilities.

Method of Instruction: Lecture, Clinical, Special Project. Five global-service-learning online modules and three lectures during the noon hour.

DBEC (Spring) 4801 Clinical Specialty Clerkship Honors in Orthodontics (1.0 – 2.0)

Instructor: Harris

Prereq: Instructor approval

4th Year

Limits: max 4

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

DBEB (Fall) 4802 An Introduction to Clear Aligner Treatment (1.0 cr.)4th Year**Instructor:** Harris**Limits:** max 100**Prereq:** DENS 2961, DENF 3971**Day / Time:** Wed & Fri, noon

Description: This elective aims to provide 4th yr. dental students with an introduction to orthodontics clear aligner treatment, with emphasis on Invisalign®. Students will spend sixteen (16), one-hour sessions in both didactic and laboratory settings, learning proper case selection, biomechanics of aligner treatment, software manipulation, and patient management and treatment with clear aligners.

Objectives:

1. Introduce the student to the fundamentals of clear aligner therapy, with focus on Invisalign®
2. Describe the use of clear aligner therapy to treat non-complex orthodontic malocclusions; cases that can and cannot be treated with clear aligners will be described.
3. Introduce the student to clear aligner software and its applications in treatment planning, particularly the ClinCheck® software by Align®
4. Describe the biomechanical considerations when performing orthodontic movements using clear aligners
5. Discuss adjunctive features of clear aligner therapy, including attachments and interproximal reduction
6. Provide the student with examples of cases comprehensively treated with clear aligner therapy

Method of instruction: Lecture, laboratory**Evaluation:** Short answer, essay, project completion**DBEB/DBEC (Fall/Spring) 5001 Table Clinic (0.5-2.0 cr.)**1st, 2nd, 3rd, 4th Year**Instructor:** TBA**Limits:** None**Prereq:** None**Day / Time:** TBA

Student-driven research directed by faculty mentors.

Method of Instruction: Table Clinic**Evaluation:** TBA**DBEB/DBEC (Fall/Spring) 5002 Thesis, Literature Review**

(0.5-2.0 cr.)

1st, 2nd, 3rd, 4th Year**Instructor:** TBA**Limits:** None**Prereq:** None**Day / Time:** TBA

Using a faculty-approved topic, the student creates a thesis under the direction of faculty mentors.

Method of Instruction: Thesis**Evaluation:** Project completion: term paper**DBEA (Summer) 5003 Investigative Research (1.50 cr.)**1st, 2nd, 3rd, 4th Year**Instructor:** TBA**Limits:** None**Prereq:** None**Day / Time:** TBA

Description: This course is designed for students participating in the Summer Research Program. The program provides an introduction to Dental, Oral, and Craniofacial (DOC) health-related research. Participants are paired with faculty members from UTSD to engage in a research project with faculty approval. In addition to gaining hands-on research experience, students are required to complete course modules, attend seminars, and submit an abstract for the Research Showcase.

Objectives: 1) Understand essential and fundamental research concepts, methodologies, ethics, and rigor. 2) Learn fundamental research skills in conducting experiments, analyzing data, scientific writing, and presentations.

Evaluation: The student must submit an abstract and present it at the Research Showcase. The student will receive credit for this elective if the faculty mentor considers their level of participation appropriate.

DBEB/DBEC (Fall, Spring) 5003 Investigative Research (1.50 cr.)1st, 2nd, 3rd, 4th Year**Instructor:** TBA**Limits:** None**Prereq:** None**Day / Time:** TBA

Description: This course is designed for students who want to work on a Dental, Oral, and Craniofacial (DOC)

health-related, faculty-approved, research project with the UTSD faculty members in the Fall and Spring Semesters.

Objectives: 1) Understand essential and fundamental research concepts, methodologies, ethics, and rigor. 2) Learn fundamental research skills in conducting experiments, analyzing data, scientific writing, and presentations.

Evaluation: The student will receive credit for this elective if the faculty mentor considers their level of participation appropriate.

DBEB/DBEC (Fall, Spring) 5004 Special Projects (0.5 – 2.0 cr)

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

Instructor: TBA

Limits: None

Day / Time: TBA

Students will complete a faculty-approved project with the UTSD faculty members in the Fall and Spring Semesters.

Method of Instruction: Special project

Evaluation: Project completion

DBEB/DBEC (Fall/Spring) 5007 Humanities and Ethics: Art of Observation (0.5 cr.)

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

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 Houston and the UT Medical School and School of Dentistry, students can spend three evenings (5:30-7:30 pm) 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. This elective is sponsored by the McGovern Center for Humanities and Ethics

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 (Fall) 5008 Humanities and Ethics: Ethics, Historical Lessons (0.5 cr.)

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

Instructor: Franklin

Limits: max 15

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 Canvas 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. This elective is sponsored by the McGovern Center for Humanities and Ethics

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

1. Identify and analyze events in history using an ethics framework.
2. Apply principles of ethics to the analysis of current and past events.
3. 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 Humanities and Ethics: Mental Illness, Humanities (0.5 cr.)1st, 2nd, 3rd, 4th Year

Instructor: Franklin

Limits: 6

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 *An 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. This elective is sponsored by the McGovern Center for Humanities and Ethics.

Objectives: Foster interprofessional dialogue for improved patient care through the clinical humanities and ethics. Initiate interprofessional discussions on human behavior and social justice in health care. 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/DBEC (Fall/Spring) 5111 Dental Insurance Management in Private Practice (0.5 cr.)**3rd, 4th Year

Instructor: Gibson

Limits: 40

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:

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) 5112 Advanced Dental Insurance Management in Private Practice (0.5 cr.)**3rd, 4th Yr

Instructor: Gibson

Limit: max 40

Day / Time: Fri, Noon

Description: This elective will serve to provide students with a more detailed understanding of the role of insurance and the financial implications in a variety of practice styles, including private practice, DSO’s and corporate dentistry. There will be discussions of ethical dilemmas, contracts, staff training and real-world insurance considerations designed to prepare students for life after dental school.

Objectives:

1. Demonstrate their knowledge of the utilization of CDT procedure coding and ethical billing protocol for treatment commonly provided in general practice.
2. Recognize the various types of insurance plans as well as develop in-house membership groups and financing.
3. Enroll in insurance plans and learn to negotiate insurance fees.
4. Learn about staff training in order to facilitate the use of insurance and the prevention of embezzlement.

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 Year

Instructor: Quock

Limits: min 1

Prereq: Successful completion of Fall Semester, 1st year DDS. Instructor approval required.**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. 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:

1. Identify educational research question/problem.
2. Design and carry out a project to investigate the aforementioned education research question/problem.
3. Evaluate project and its results, and present these findings in a public forum.

Method of Instruction: Research

Evaluation: Project completion

DBEB 5203 (Fall) / DBEC 5204 (Spring) Dental Fitness (0.5 cr.)

Instructor: Cooley

2nd, 3rd, 4th Years

Limits: min 1

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:

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 "hands 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) 5205 Humanities and Ethics: Sacred Sites (1.0 cr.)

Instructor: Franklin

1st, 2nd Year

Limits: min 1

Day / Time: Sat, 10-noon

Description: This course will introduce students to various religions of Houston and great Harris County. By visiting places of worship and interacting with faith members, the topic of faith and impacts on health will be addressed. Religions that have been covered in the course in the past include Christianity, Islam, Hinduism, Judaism, Buddhism and Baha'iism. The course consists of 6 site visits, each 2 hours long, and a final de-briefing session. Each site visit includes a visit to a place of worship and discussion with a religious leader. A lunch with congregation members may be provided if possible. Every attempt will be made for a congregation member to recount a disease journey and its interaction his/her faith. Students are required to attend at least 5 of the 6 site visits, participate in a pre and post course evaluation, write a reflection paper of the course and participate in a post-course debriefing session to receive elective credit. Make up for missed session will consist of a 500-word essay on the missed site.

Objectives:

1. Introduce students to the teachings of diverse religions and the physical and emotional environment of diverse places of worship.
2. Present an introduction of faith and spirituality in the context of health and disease.
3. Engage students in reflective thinking of their role in acknowledging and addressing a patient's religion and spirituality in the context of treatment.

Method of Instruction: Six site visits and a de-briefing session

Evaluation: Pre-and post-course evals, post-course reflection paper

DBEC (Spring) 5208 Integrated Dermatological Dental Elective (0.5 cr)4th Year**Instructor:** B. Warner**Limits:** min 1; max 22**Day / Time:** Tue, 8 am-4:00 pm

Description: Through the collaborative efforts of the Department of Dermatology (MD Anderson) and the Department of General Practice and Dental Public Health, dental students will perform a structured, skin assessment. Cutaneous/mucosal lips, eyelid margins, facial skin, ears, anterior neck, and scalp are part of an integrated head and neck examination. Accurate descriptions of primary lesions as macule/patch, papule/plaque and vesicle/bulla are taught. Secondary changes of scale, erosion and crust, as well as single, multiple, symmetrical and photo distribution are covered. Based on clinical descriptions, the dental student utilizes algorithms to triage referral urgency. The valuable role of a dentist as a frontline health professional for the identification and appropriate referral of melanoma, non-melanoma, and other cutaneous lesions of the head and neck will be emphasized.

Objectives

1. Experience clinically stimulating situations in diagnosis, treatment planning and management of patients with dermatologic conditions of the head and neck.
2. *Competently* discuss patients with faculty from MD Anderson Cancer Center and UTHealth Houston School of Dentistry.

Method of Instruction: MD Anderson Cancer Center Clinic site visit**Evaluation:** Oral evaluation following clinical instruction**DBEB/DBEC (Fall, Spring) 5908 Evaluation Presentation Scientific Research (1.0 cr.)**1st, 2nd, 3rd, 4th Year**Instructor:** Fakhouri/Kasper**Limits:** min 4; max 16**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:

1. Improve presentation skills by evaluating the strengths and weaknesses of each presentation.
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. Introduce practical examples of evidence-based dentistry.

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 Year**Instructor:** Paravina**Limits:** min 4**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.

Objective: 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 Year**Instructor:** Bona**Limits:** 4**Prereq:** Instructor Approval**Day:** Mon/Tue

Description: This elective is directed toward students who have a strong interest in pursuing a career in 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. 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

DBEC (Spring) 7001 Interactive Oral Biology (1.0 cr.)

Instructor: Clark

Prereq: DENS 2706 Oral Diseases

3rd, 4th Year

Limits: 100

Day: Tue

Description: The course is a participation-driven seminar designed to make students more comfortable and knowledgeable when discussing oral pathology. A series of clinical cases will be presented and discussed each week. The discussion will focus on describing pathologic lesions, providing a reasonable differential diagnosis, and knowing the proper course of action to take when oral pathologic lesions are discovered. Those enrolled in the elective will be evaluated by their level of participation and a final oral evaluation.

Objectives: Recognize when a pathologic lesion is present in the oral cavity. Use proper terminology when discussing pathologic lesions. Provide a differential diagnosis for common pathologic entities. Know the proper course of action for when pathologic lesions are discovered.

Method of Instruction: Case Presentation/Participation

Evaluation: Oral Participation

DBEB / DBEC (Fall, Spring) 7115 Pediatric San Jose Clinic (0.5 cr.)

Instructor: Cardenas

Prereq: Instructor Approval

3rd, 4th Year

Limits: 15

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. Gain clinical experience in Pediatric dentistry.
2. Become familiar with non-profit, community-based dentistry.
3. Compare the difference between school-based and non-profit dental service delivery.

Method of Instruction: Hands-on participation

Evaluation: Case presentation

DBEB 7117 / DBEC 7116 General Practice Residency (GPR Mini-Residency) (1.0 cr.)

Instructor: Chan, M.

Pre-req: Instructor approval required.

2nd, 3rd, 4th Year

Limit: max 5

Description: Students will sign-up for one, full week (Monday-Friday) with the General Practice Residency (GPR) Program. *This must be scheduled outside of the Fall Semester, Spring Semester, or Summer Session.* Students will observe and assist GPR residents in clinical and hospital-patient-care activities and attend all conferences and lectures scheduled during the week. The student will be assigned to work with a current GPR resident, while participating in the elective.

Objectives: Describe what the General Practice Residency Program at UTSD entails. Recognize the responsibilities of a General Practice Resident. Assist the current General Practice Residency residents in the clinical setting. Compare the GPR Program with the Advanced Education in General Dentistry Program. Identify the scope of general

dentistry in a hospital setting.

Method of Instruction: Clinical

Evaluation: Upon completion of the mini-residency, the student will receive a formal, written evaluation.

DBEB / DBEC / DBEA 7203 (Fall, Spring, Summer) CAD/CAM Super Users (0.5 cr)

2nd, 3rd, 4th Year

Instructor: Thompson

Limits: Min 15; Max 20

Prereq: Technical Skills Audition following a referral from a GPD

Time: varies

Description: Faculty select students from each group practice for this CAD/CAM Super User Elective. This elective will serve as a training course for the super users to develop their digital dentistry skills and allow them to troubleshoot difficult, clinical cases. Lectures will focus on an overview of the most common missteps and their solutions. The hands-on portion of the elective will cover scan and design of fixed restorations, evaluation and modification of designs, and design of occlusal guards and wax-ups.

Method of Instruction: Lecture and Simulation Laboratory

There is one lecture given in the Fall Semester with hands-on lab exercises scheduled in September, October, and November. One lecture is given in the Spring Semester with hands-on lab exercises scheduled in Jan, Feb, and Mar.

Evaluation Method: Project Design Completion

DBEB / DBEC 7204 (Fall, Spring) Advanced Digital Dentistry (0.05 cr)

4th Year

Instructor: Thompson

Limits: Min 5; Max 14

Prereq: None

Time: Varies

Description: Within a learning module, students will learn about advanced digital dentistry software that can be applied to clinical practice. As the curriculum progresses and technology evolves, this elective will teach the newest, digital dentistry methodologies. This year, this course will teach students how to utilize digital smile creator software, which can supplement treatment planning of anterior restorative cases and aid in the fabrication of anterior wax-ups. Students will attend a lecture covering 3D-printing, digital smile design, and wax-ups, followed by a hands-on demonstration and a project.

Objectives:

1. List the steps of digital smile creator application for fabrication of anterior wax-ups.
2. Describe photography principles to achieve an ideal digital smile creation.
3. Demonstrate fabrication of anterior digital wax-ups, including the first steps in three-dimensional printing (3D).

Method of Instruction:

Fall Semester: Overview lecture scheduled in September with three, hands-on labs scheduled in October, November, and December.

Spring Semester: Overview lecture scheduled in January, with three, hands-on labs scheduled in March, April, and May.

Evaluation: Completion of a digital wax-up project

DBEB / DBEC (Fall, Spring) 7208 Urgent Care (1.0 cr.)

3rd, 4th Year

Instructor: CD Johnson

Limits: 40

Day / Time: TBA

Description: Students, under faculty supervision, will perform appropriate dental treatment for Urgent Care.

Objective: 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 Year

Instructor: E. Ogbureke

Limits: None

Prereq: Instructor approval

Day / Time: Wed, Noon

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: 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) 7211 Looking at Dentistry in Shades of Gray (0.5 cr.)**Instructors:** K. Gibson, B. Warner3rd, 4th Year**Limits:** Min 10; 50 max**Day/Time:** Wed, Noon

Description: This elective offers dental students an opportunity to address ethical issues of confidentiality, access to care and the various forms of informing patients including advertising, financial arrangements and verbal/signed consent. The dental student will discuss ethical decision making that involves judging and deciding when there is an obligation to treat or a valid reason not to treat. The elective will strive to demonstrate that to be a dental professional, one must have integrity, be competent and care for others.

Objectives: This course will present dental students with clinical case situations that pose ethical and professional conflicts. The dental student is expected to actively participate in discussing differences and possible conflicts of legal, ethical and moral standards. The aim of a profession is to regulate itself for the public good. This elective is to aid the participant, as a member of the dental profession, in recognizing and embodying positive principles, judgements and conduct to promote the highest ethical standards.

Method of Instruction: Clinical**Evaluation:** Attend 6 of 8 classes = Pass**DBEC 7212 (Spring) Multiple Shades of Gray (1.0 cr.)****Instructor:** Gibson, Ben Warner3rd, 4th Year**Limits:** 5 max**Prereq:** DBEB 7211 Looking at Dentistry in Shades of Gray Elective**Day / Time:** Wed, Noon

Description: This course is intended to be an extension of the original DBEB 7211 elective, where dental students were presented with clinical case situations and posed ethical and profession conflict. Students will have the opportunity to define an ethical issue that may occur in dental school or early in their career and develop a response. A special project will be designed by the student under the mentorship of the instructors to provide a format for the resolution and may take the form of a PowerPoint Presentation, a paper suitable for publication, a poster suitable for publication at a dental meeting, or pamphlet or survey used to gain additional information.

Method of Instruction: Lecture, research**Evaluation:** Project completion; attend class meetings.**DBEB 7603/ DBEC 7604/ DBEA 7603 (Fall/Spring/Summer)**

Intellectual Disability Collaborative OH Nursing Care (1.0 cr)

Instructors: Fray, Sadowsky2nd, 3rd, 4th Year**Limits:** min 4; max 10**Prereq:** Instructor approval is required

Description: This elective course aims to provide the dental student with an introduction to the treatment needs of adults with intellectual disabilities and the importance of an integrated care plan with physicians and nurses. Students will have 10, one-hour didactic sessions learning proper case selection, collaborative treatment planning, and care coordination with nursing students, as well as two, three-hour sessions at a choice of four clinical settings.

Method of Instruction: Lecture, Clinic:**Evaluation:** Multiple-choice and short-answer questions, project completion, and essay**DBEB/DBEC/DBEA (Fall/Spring/Sum) 7706 Advanced Education in General Dentistry (AEGD) Mini-Residency****Instructor:** M Chan

(1.0 cr.)

Prereq: Instructor approval, satisfactory didactic/clinical progress.3rd, 4th Year**Limits:** max 20**Day/Time:** TBA

Description: Students will sign up for one full week (Monday-Friday) with the Advanced Education in General Dentistry (AEGD) Residency Program. Students will observe and assist AEGD residents in clinical patient care activities. Attend all seminars and conferences. Treat dental emergency patients presenting to AEGD dental clinic under direct faculty supervision.

Method of Instruction: Observation, supervised patient treatment, seminars, and conferences**Evaluation:** Pass/Fail upon completion

FALL 2025 ELECTIVES

Course Number	Section	Title	Day/Hour	Credit	Enroll Limits	Instructor
DBEB 2202	001	Geriatric Oral Health Care	TBA	1.5	10	Sadowsky
DBEB 3052	001	Creating Lifetime Patients		0.5	Min: 6 Max: 12	Long
DBEB 3106	001	Spanish for Dental Professionals	Wed	0.5	5 min 40 max	Neumann Loza
DBEB 3112	4 001	Intell Disability Clinical Care at Brookwood	Mon	0.5	10-12 per sem	Harrison Sadowsky B Warner
DBEB 4004	001	Intellectual Disability Inter-Professional Care	W/F	1.0	10	Fray B Warner
DBEB 4111	001	Resin Bonded FPD	TBA	0.5	20	Aponte
DBEB 4210	100 004	Introduction to Dental Sleep Medicine	Tue, noon	1.0	57	Abbassi Wuertz
DBEB 4212	001	Head/Neck Inter-Professional Oncology		0.5	22/sem	Ben Warner
DBEB 4302	001	Clinical Specialty Clerkship Honors in Endodontics	TBA	1.0	5 min 13 max	Jeong
DBEB 4605	001	Clinical Specialty Clerkship Honors in Prosthodontics	TBA	1.0	2 max	Belles
DBEB 4712	001	Clinical Specialty Clerkship Honors in Oral Surgery	TBA	2.0		Daniel
DBEB 4714	001	MOSAIC Global Service in Vulnerable Patient Care	TBA	1.5	15 max	Fray B Warner Sadowsky
DBEB 4802	001	Introduction to Clear Aligner Treatment	Fri	1.0	100	Huang
DBEB 5001		Table Clinic	TBA	0.5-2.0	None	
<div style="display: flex; justify-content: space-between;"> <div> <u>Sec#</u> <u>Instructor</u> 004 Patel 015 Garrett 021 Johnson, CD </div> <div> <u>Call#</u> <u>Sec#</u> <u>Instructor</u> 027 Sadowsky 044 Jeske </div> </div>						
DBEB 5002		Thesis, Literature Review	TBA	0.5-2.0 cr		
<u>Sec#</u> <u>Instructor</u> 001 Johnson, CD						

DBEB 5003 Investigative Research TBA 1.50 cr

Sec# Instructor

006 Barros
008 Chiquet
004 Fakhouri
010 Lee

Sec# Instructor

020 Lee, Chun Teh
019 Melville
016 Lou

Sec# Instructor

017 Ontiveros
028 Shum
029 Young

DBEB 5004 Special Projects TBA 0.5-2.0 cr

Sec# Instructor

012 Johnson, CD

DBEB 5007	001	Humanities and Ethics: The Art of Observation	TBA	0.5	20	Franklin
DBEB 5008	001	Humanities and Ethics: Ethics, Historical Lessons	TBA	0.5	15	Franklin
DBEB 5111	001	Dental Insurance Management in Private Practice	TBA	0.5	40	Gibson
DBEB 5112	001	Adv Dental Insurance Management in Private Practice	Fri 12-1	0.5	40	Gibson
DBEB 5201	001	Special Project in Educational Research	TBA	1.0	1 min	Quock
DBEB 5203	001	Dental Fitness	Th 12-1	0.5	50	Cooley
DBEB 5205	001	Humanities & Ethics: Sacred Sites		1.0		Franklin
DBEB 5908	001	Evaluation Presentation in Scientific Research	Th 12-1	1.0	4 min 16 max	Fakhouri Kasper
DBEB 6801	001	Honors in Pediatrics	M,T	1.5	4 max	Bona
DBEB 7115	001	Pediatric San Jose Clinic	Sat	0.5	15	Cardenas
DBEB 7117	001	General Practice Residency		1.0	5 max	M Chan
DBEB 7203	001	CAD/CAM Super User	TBA	0.5	15 min 20 max	Thompson
DBEB 7204	001	Advanced Digital Dentistry	TBA	0.5	5 min 10 max	Thompson
DBEB 7208	001	Urgent Care	TBA	1.0	40	CD Johnson
DBEB 7211	001	Looking at Dentistry in Shades of Gray		0.5	Min: 10 Max: 50	Gibson
DBEB 7603	001	Intellectual Disability Collaborative/ Nursing Care		1.0	4 min 10 max	Fray, Sadowsky
DBEB 7706	001	Adv Ed In General Dentistry	TBA	1.0	20	Kiat-Amnuay

SPRING 2026 ELECTIVES

Course Number	Section	Title	Day/Hour	Credit	Enroll Limits	Instructor
DBEC 1102	001	Ethics Video	TBA	0.5	16	Long B Warner
DBEC 2202	001	Geriatric Oral Health Care	TBA	1.5	10	Sadowsky
DBEC 3052	001	Creating Lifetime Patients		0.5	6 min 20 max	Long
DBEC 3112	001 004	Intell Disability Clinical Care at Brookwood	Mon	0.5	10	Harrison Sadowsky Warner
DBEC 3409	001	Clinical Specialty Clerkship Honors in Periodontics	TBA	1.0	5	J Chang
DBEC 3717	001	Dental Specialties ADV GD	Wed	0.5	50	M Chan
DBEC 4004	001 004	Intellectual Disability Inter-Professional Care	W/F	1.0	10	Fray Warner
DBEC 4111	001	Resin Bonded FPD	TBD	0.5	10 min 20 max	Aponte
DBEC 4211	001	Advanced Dental Sleep Medicine	TBA	0.5	50	Abbassi Wuertz
DBEC 4605	001	Clinical Specialty Clerkship Honors in Prosthodontics	TBA	1.0	2 max	Belles
DBEC 4712	001	Clinical Specialty Clerkship Honors in Oral Surgery	TBA	2.0	2-6	Daniel
DBEC 4714	001	MOSAIC Global Service in Vulnerable Patient Care	TBA	1.5	15	Fray B Warner Sadowsky
DBEC 4801	001	Clinical Specialty Clerkship Honors in Orthodontics	TBA	1.0-2.0	4	Huang
DBEC 3717	001	Dental Specialties and Adv General Dentistry Programs	Wed, noon	0.5	50	M Chan
DBEC 5001		Table Clinic	TBA	0.5-2.0		

Sec# Instructor
010 Barros
055 Chang, J
014 Demian
051 Doh
005 Franklin
029 Gardner
015 Garrett
004 Guajardo
011 Hanna
033 Jaramillo
044 Jeske

Sec# Instructor
021 Johnson, CD
013 Kasper
025 Kiat-Amnuay
020 Laman (4th yr)
066 Laman (1st, 2nd, 3rd yr)
018 Melville
032 Miller
019 Myers
030 Neumann
009 Ontiveros

Sec# Instructor
007 Patel
027 Sadowsky
002 Schaefer
012 Shum
050 Potts
038 Vigneswaran

DBEC 5002 Thesis, Literature Review TBA 0.5-2.0 cr

Sec# Instructor
003 Fakhouri
002 Johnson, CD

DBEC 5003	Investigative Research		TBA	1.50 cr	
<u>Sec#</u>	<u>Instructor</u>	<u>Sec#</u>	<u>Instructor</u>	<u>Sec#</u>	<u>Instructor</u>
027	Adibi	046	Jaramillo	018	Paravina
006	Barros	005	Johnson, CD	007	Patel
029	Chiquet	030	Lee	013	Sly
012	Eldiwany	016	Lou	022	Vigneswaran
028	Fakhouri	031	Melville	023	Walji
045	Fakhouri	017	Ontiveros	025	Wong

DBEC 5004	Special Projects		TBA	0.5-2.0 cr	
<u>Sec#</u>	<u>Instructor</u>	<u>Sec#</u>	<u>Instructor</u>	<u>Sec#</u>	<u>Instructor</u>
010	Barros	002	Spears	023	Warner, R
012	Johnson, CD				

DBEC 5007	001	Humanities and Ethics: The Art of Observation	TBA	0.5	12	Franklin
DBEC 5009	001	Humanities and Ethics: Mental Illness, Humanities	TBA	0.5	6	Franklin
DBEC 5111	001	Dental Insurance Manage in Pri Prac	TBA	0.5	40	Gibson
DBEC 5112	001	Adv Dental Insurance Mngmnt in Pri Prac	TBA	0.5	40	Gibson
	004					
DBEC 5201	001	Special Project in Educational Research	TBA	1.0	1 min	Quock
DBEC 5204	001	Dental Fitness	TBA	0.5	65	Cooley
DBEC 5205	001	Humanities & Ethics: Sacred Sites		1.0		Franklin
DBEC 5208	001	Integrated Derm Dental	Tu	0.5	1 min; 22 max	B Warner
DBEC 5908	001	Evaluation Presentation Scientific Research	Th 12-1	1.0	4 min – 16 max	Fakhouri Kasper
DBEC 6201	001	Color and Appearance: Theory and Practice	W, 12-1	1.0	4 min	Paravina
DBEC 6801	001	Clinical Specialty Clerkship Honors in Pediatrics	M-T	1.5	7 max	Bona
	004					
DBEC 7001	001	Interactive Oral Biology	TBA	1.0	100	Clark
DBEC 7115	001	Pediatric San Jose Clinic	Sat	0.5	15	Cardenas
DBEC 7116	001	General Practice Residency	1 wk	1.0	5 max	M Chan
DBEC 7203	001	CAD/CAM Super User	TBA	0.5	15 min 20 max	Thompson
DBEC 7204	001	Advanced Digital Dentistry	TBA	0.5	5 min 14 max	Thompson
DBEC 7208	001	Urgent Care	TBA	1.0	40	CD Johnson
DBEC 7210	001	Oral Medical Examination	W	1.0		E Ogbureke
DBEC 7211	001	Looking at Dentistry in Shades of Gray		0.5		Gibson
	004					
DBEC 7212	001	Multiple Shades of Gray	Wed, 12-1	1.0	50	Gibson B Warner
	004					
DBEC 7604	001	Intellectual Disability Collaborative Nursing Care		1.0	4 min 10 max	Fray Sadowsky
DBEC 7706	001	Adv Ed In Gen Dentistry	TBA	1.5	20	M Chan
	004					

SUMMER 2026 ELECTIVES

Course Number	Section	Title	Day/Hour	Credit	Enroll Limits	Instructor
DBEA 3051	001	PEDI Cleft Lip Multi Observation		1.5	2	Hansen-Kiss
DBEA 3112	001	Intellectual Disability Clinical Care at Brookwood		0.5	10	Harrison Fray Sadowsky Warner
DBEA 4004	001	Intellectual Disability Inter-Professional Care	TBA	1.0	10	Fray Warner
DBEA 4712	001	Advanced Oral Surgery Honors		2.0		Daniel
DBEA 4714	001	MOSAIC Global Service in Vulnerable Patient Care	TBA	1.5	15 max	Fray B Warner Sadowsky
DBEA 5003		Investigative Research		TBA	1.50 cr	
	<u>Sec#</u>	<u>Instructor</u>	<u>Sec#</u>	<u>Instructor</u>	<u>Sec#</u>	<u>Instructor</u>
	012	Adibi	008	Lee		
	003	Chiquet	005	Melville	022	Schaefer
	004	Fakhouri	017	Miller	021	Shum
	013	Frey	006	Neumann	001	Kiat-Amnuay
	011	Hanna	014	Ontiveros	023	Walji
	007	Jaramillo	018	Paravina	025	Wang, B.
	016	Kasper	002	Patel	026	Young
DBEA 7203	001	CAD/CAM Super User		0.5	15 min 20 max	Thompson
DBEA 7603	001	Intellectual Disability Collaborative/Nursing Care		1.0	4 min 10 max	Fray, Sadowsky
DBEA 7706	001	Adv Ed General Dentistry	TBA	1.0	20	M Chan