

GENERAL DENTISTRY (GEND)

Courses

GEND 5027. Pain Control & Sedation. 3.5 Credit Hours.

The course is an in-depth, comprehensive assessment of pain control in dentistry. Beginning with neuroanatomy and pain, the course builds a valid foundation in basic science before advancing to a panoramic discussion of techniques in anxiety management and pain control. Behavioral management and conscious sedation techniques review are the major emphasis and are accompanied by demonstrations.

GEND 6000. Introduction to Advanced General Dentistry for Interns. 1 Credit Hour.

GEND 7001. General Dentistry Clinic. 4 Credit Hours.

The Junior General Dentistry Clinic course oversees student progress towards competency in: patient assessment and diagnosis, comprehensive treatment planning and assessment of outcomes, management of periodontal and pre-implant tissues, and management of malocclusion and occlusal disorders as described in Statements 01, 02, 07, and 13 of the HSC Dental School Competencies for Graduating Dentists. Junior students will be evaluated by GPG faculty on their independent efforts in satisfying the educational outcomes described for each of the four component competencies included in the course. Results of the evaluation will be kept in the student portfolio by the group leader. Unsuccessful attempts will be repeated until the student demonstrates adequate progress towards competency. A final grade at the end of the junior year will be Pass or Fail. Each component of the course must be passed to receive a passing grade.

GEND 7002. Preparing for Special Care Dentistry. 1 Credit Hour.

The Preparing for Special Care Dentistry (PSCD) Course will provide dental students with foundational learning experiences in effective management of patients with special health care needs critical to providing quality patient care and the success of dental practices. The goal of the course is to have students understand patient-centered care and their responsibilities in preparation for clinical decision making at the special care dental clinic. Specifically, students will learn and apply foundational principles of disability, relationships between disability and oral health, knowledge of the spectrum of medical conditions, impairments and disorders that affect oral health unique to the provision of dental care for infant, child, adolescent, and adult patients. Problem-oriented approach to diagnosis and treatment planning, as well as coordinating inter-professional team work to deliver individualized oral health care plans.

GEND 7005. Digital Innovation. 1 Credit Hour.

This course enhances the knowledge of third-year dental students with regard to the principles and applications of digital technologies in modern dentistry. Students will gain additional knowledge with CAD/CAM systems, 3D printing, and intraoral scanning to design and fabricate dental restorations. Emphasis will be placed on integrating digital workflows to enhance clinical efficiency, precision, and patient outcomes. The curriculum includes lectures and case-based discussions to bridge theoretical knowledge with practical application. By the end of the course, students will be proficient in utilizing digital tools to provide innovative, high-quality dental care.

GEND 7008. Interdisciplinary Treatment Planning. 1 Credit Hour.

This course will focus on contemporary treatment planning and execution of interdisciplinary cases. We will discuss treatment planning fundamentals and treatment strategies for complex cases. Emphasis will be on facially driven treatment planning concepts with emphasis on airway, esthetics, function, structure, and biology. We will discuss the use of digital technology for treatment plan presentation, treatment plan formulation and asynchronous communication with the interdisciplinary team. Participants will present cases in a seminar format for discussion with AEGD faculty. Treatment modalities will focus on evidence-based dentistry and will cover all disciplines.

GEND 7011. AEGD Fall Clinic 1. 3.5 Credit Hours.

AEGD students will gain clinical experience as they treat patients in the Advanced General Dentistry Clinic. Cases gradually increase in complexity and include treatment of medically compromised patients, implant cases, and interdisciplinary cases.

GEND 7012. AEGD Spring Clinic 1. 7 Credit Hours.

AEGD students will gain clinical experience as they treat patients in the Advanced General Dentistry Clinic. Cases gradually increase in complexity and include treatment of medically compromised patients, implant cases, and interdisciplinary cases.

GEND 7026. Practice Administration. 2.5 Credit Hours.

This course presents the various career choices available in dentistry and presents material to aid students in the career decision-making process. An introduction to the basic principles of beginning and managing a dental practice with emphasis on establishing a philosophy of practice, establishing goals, selecting practice modes, and choosing a location. The principles of office design and equipment selection also are covered.

GEND 8011. AEGD Fall Clinic 2. 7 Credit Hours.

AEGD students will gain clinical experience as they treat patients in the Advanced General Dentistry Clinic. Cases gradually increase in complexity and include treatment of medically compromised patients, implant cases and interdisciplinary cases.

GEND 8012. AEGD Spring Clinic 2. 7 Credit Hours.

AEGD students will gain clinical experiences as they treat patients in the Advance General Dentistry Clinic. Cases gradually increase in complexity and include treatments of medically compromised patients, implant cases and interdisciplinary cases.

GEND 8026. Practice Administration. 1.5 Credit Hour.

This series of lectures deals with the business aspects of conducting a practice. Consideration of establishing and administering a practice, estate planning, bookkeeping methods, banking, marketing, management and utilization of personnel, and completion of a prospectus and office design project also are presented.

GEND 8070. Integrated Community Clinic Rotations in Dentistry. 4 Credit Hours.

This course provides fourth-year dental students with comprehensive clinical experiences across diverse practice settings, including pediatric dentistry (PEDO) clinics in Laredo and Salinas, the San Antonio Christian Dental Clinic (SACDC), Federally Qualified Health Centers (FQHC) in Seguin and Luling, South Texas outreach sites and Dental Service Organizations. Students will also gain exposure to practice management and patient care in a Dental Support Organizations. Emphasis is placed on applying advanced clinical skills, cultural competency, and interprofessional collaboration to meet the needs of underserved and diverse populations. These rotations aim to enhance students clinical proficiency and prepare them for professional practice in various healthcare settings.

GEND 8077. General Dentistry Clinic. 24 Credit Hours.

Clinical experience for senior students under supervision of the Department of General Dentistry emphasizes comprehensive patient care in an atmosphere that closely simulates the private practice environment. Providing students an opportunity to accomplish procedures from each discipline of dentistry is the goal; therefore, students receive instruction from a faculty of general dentists. Various specialty departments provide didactic material, rotations in specialty clinics, and consultation. Senior Seminars, conducted by the Department of General Dentistry, entail lectures, problem-solving sessions, and presentations of selected cases designed to enhance the students' knowledge of comprehensive clinical dentistry.

GEND 8078. General Dentistry Seminar. 2 Credit Hours.

This seminar presents topics relevant to clinical practice including application and selection of dental materials, an overview of dental equipment, and clinical techniques. It is intended to reinforce philosophies presented by the specialty disciplines, to provide the opportunity to discuss dental topics of current interest, and to promote dialogue between students and faculty.