DDDS - Doctor Dental Surgery

DDDS 011 Anterior Composites and Esthetics
Credits 0.
Advanced concepts including diagnosis, preparation and restoration of anterior teeth utilizing composite materials.

DDDS 012 Forensic Dentistry
Credits 0. 1 Lab Hour.
This summer semester course will introduce students to the Science of Forensic Dentistry, providing a broad overview of its scope but emphasizing forensic dental identification of deceased individuals. Identification procedures, particularly as they pertain to mass casualty situations, will be stressed. Twelve hours of hands-on laboratory participation in mock mass casualty exercises will allow students to utilize the knowledge they have gained and sharpen identification skills. This selective does not require clinic, but does require 12 hours of lab. Class time and location to be announced by course director. Class is limited to 35 D4 students only.

DDDS 013 Orthodontic Clinical Selective
Credits 0.
This is a clinical selective course in which D4 students will provide limited (adjunctive) orthodontic treatment to patients as one component of a comprehensive treatment plan. This treatment will be provided in conjunction with a third year orthodontic resident, and under the supervision of an orthodontic department faculty member.

DDDS 014 Advanced Implant Dentistry – Case Analysis and Problem Based Approach
Credits 0.
This course is designed for senior dental students who are interested in gaining advanced knowledge of implant dentistry. This course will give students advanced knowledge of implant supported restorations and their application in clinical dentistry. The course will include the evolution of implant dentistry, an interactive case-based session on treatment planning and case analysis, CAD-CAM technologies in implant dentistry, cone beam tomography, 3D treatment planning systems and digitally guided surgeries. Additionally, it will cover advanced implant treatment options (One on Four, Zygomatic Implants, Bioadaptable Implants...etc). The students will also be exposed to a wide variety of implant systems allowing them the chance to compare the most commonly distributed implant systems and their characteristics and applications. It will also include implants in the esthetic zone, implant complications, prevention and troubleshooting and the future direction of implant dentistry.

DDDS 015 Interdisciplinary C.A.R.E. and Collaboration
Credits 0.
This spring semester course will provide an opportunity for D-3 students to become more proficient at evaluating and integrating emerging trends in clinical care and identifying factors that differentiate one case from another. Clinical examples of interdisciplinary cases will be presented by post-doctoral residents that highlight a specific discipline (including contributions of other disciplines when appropriate). Both conventional and unconventional treatment methods will be presented.

DDDS 017 Advanced Topics in Endodontics
Credits 0. 1 Lab Hour.
Advanced information and training in current endodontic topics including some of the state-of-the-art equipment used by endodontists today; discussion of complex diagnostic cases, advanced cleaning and shaping techniques (new rotary instrumentation systems), advanced obturation techniques (warm vertical gutta-percha), notions of the utilization of an endodontic surgical microscope and endodontic retreatment; does not require clinic but does require 2 hours of lab; class time and location announced by course director; participation by invitation only.

DDDS 018 Orthodontic Externship
Credits 0. 1 Other Hour.
The seminar portion of the course provides the students with an opportunity to enhance their skills in the diagnosis and recognition of malocclusion and craniofacial anomalies, and the ramifications of these diagnoses in the development of comprehensive treatment plans. Faculty will provide examples of new cutting edge technologies that are rapidly changing the approach to treatment of orthodontic patients. The externship provides an opportunity to discuss management considerations and other issues involved in the operation of a specialty practice. This selective does not require clinic. Class time and location to be announced by course director. Class is limited to 10 D4 students only.

DDDS 019 Fabrication of Complete Dentures Utilizing CAD/CAM Technology
Credit 1. 1 Lab Hour.
The focus of this selective is the fabrication of complete dentures by CAD/CAM digital technology. In this process, the number of patient visits can be reduced, eliminating some traditional laboratory steps.

DDDS 024 Externship in Pediatric Dentistry
Credits 0.
This summer course introduces the student to the Advanced Education Program in Pediatric Dentistry; the delivery of dental care to medically and mentally compromised children and the delivery of dental care to children under various forms of sedation and general anesthesia. Participation in this selective course is by invitation only. Class is limited to 5 D4 students.

DDDS 025 Dental Ceramics
Credits 0.
This summer semester course introduces theory and fabrication of ceramo-metal and all-ceramic prosthodontic restorations. This selective does not require clinic, but does require 25 hours of lab. Class time and location to be announced by course director. Participation in this selective is by invitation only and restricted to D4 students.

DDDS 034 Dental Implantology
Credits 0. 1 Other Hour.
A clinical (treatment of patient who received dental implants), laboratory, surgical and restorative exercise. Familiarizes students with patient management of dental implants. This selective does require clinic time. Class time and location to be announced by course director. Class is limited to 12 D4 students per semester.

DDDS 042 Athletic Mouthguards
Credits 0. 1 Lab Hour.
Students attend seminars and fabricate athletic mouth guards for a community athletic team. This selective does not require clinic, but does require 15 hours of lab. The spring and summer course will be held on the 3rd and 6th floors. Class time and location to be announced by course director. Class is limited to 25 D3/D4 students only per semester.
DDDS 043 Tutoring Skills Seminar
Credits 0. 1 Lecture Hour.
This fall semester course will train students nominated by course directors to become effective peer tutors by developing skills in instructional technique. Class time and location to be announced by course director. Class is limited to D3/D4 students only.

DDDS 053 Secrets of Practice Success
Credits 0.
This summer/fall/spring course will teach, strengthen and reinforce behavioral skills that help dental teams build powerful interpersonal relationships with their patients, each other, their families and their communities as well as establish a patient-centered, preventively-oriented approach to practicing dentistry. This class is offered to D4 students.

DDDS 092 Craniofacial Research
Credits 0. 1 Other Hour.
This course is for research participants in the Short Term Training Program only. Provides students with an introduction to dental and craniofacial research and instill recognized values of biomedical research ethics.

DDDS 098 Dental Public Health
Credits 0.
This summer selective course offers observation of oral health care services for at least four days in a private dental office. This selective does not require class participation, is by invitation only and is limited to 50 D4 students.

DDDS 099 Public Health Sciences Community Preceptorship Program
Credits 0. 1 Other Hour.
This summer selective course offers observation and/or provision of oral health care services for at least four days in private practice, Indian Health Service, Veterans Administration hospital or other public health settings. This selective does not require clinic time. Class time and location to be announced by course director. Class participation is by invitation only and is limited to 30 D4 students.

DDDS 532
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 554C
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 556C
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 557C
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 559C
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 575
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 576
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 577
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 578
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 580
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 581
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 583
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 584
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 586
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 589
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 591
Credits 1 to 10. 1 to 10 Other Hours.

DDDS 6510 Biochemistry/Cell and Molecular Biology
Credits 3. 3 Lecture Hours.
Chemical, metabolic cellular and molecular processes in the human body with applications to the practice of dentistry. Also includes cellular and molecular mechanisms that control gene expression and metabolic processes in human cells and tissues with an emphasis on dental examples.

DDDS 6520 Cariology and Prevention
Credit 1.5. 1.5 Lecture Hour.
Cariology, identification, progress, prevention and management of dental decay and tobacco-related oral disease; oral hygiene index and clinical utilization of plaque removal materials and techniques.

DDDS 6540 Dental Anatomy
Credits 2. 2 Lecture Hours.
Form and function of the human dentition.

DDDS 6543 Dental Anatomy-C
Credits 2. 2 Lab Hours.
Drawing and carving teeth to scale; restoring tooth form in wax to normal relation with adjacent and opposing teeth; identification of extracted natural teeth.

DDDS 6580 Dental Materials
Credit 1. 0.5 Lecture Hours. 0.5 Lab Hours.
Introduction to the effects of physical, chemical and mechanical properties on the manipulation of materials used in dentistry; laboratory exercises to demonstrate clinical applications.

DDDS 6600 General Histology
Credits 3. 1.5 Lecture Hour. 1.5 Lab Hour.
Microscopic and ultrastructural characteristics of cells, tissues and organ systems of the human; a brief introduction to function; light- and electron-microscopic study of human tissues.

DDDS 6640 Gross Anatomy
Credits 6. 3 Lecture Hours. 3 Lab Hours.
Gross morphology of the human with special emphasis on the head and neck; dissection of the cadaver.

DDDS 6660 Growth and Development
Credit 1.5. 1.5 Lecture Hour.
Prenatal growth of craniofacial structures; postnatal physical growth and maturation; development of the dentition and malocclusion; postnatal craniofacial development.

DDDS 6690 Human Behavior in Dentistry
Credits 0.5. 0.5 Lecture Hours.
Application of principles of communication and motivation relevant to doctor-patient relations, patient compliance, stress management, and management of dental anxiety and fear.
DDDS 6724 Introduction to Clinical Practice I-C  
Credits 0.5. 0.5 Other Hours.  
Observation and assistance of students in delivering dental services in preventive dentistry, oral diagnosis, periodontics and general dentistry, dental health education, patient interviewing, history taking and record management.

DDDS 6730 Introductory Ethics and Academic Integrity  
Credits 0.5. 0.5 Lecture Hours.  
Contemporary introduction to ethics in the dental profession and academic integrity in dental education.

DDDS 6740 Immunology  
Credit 1. 0.5 Lecture Hours. 0.5 Lab Hours.  
A lecture course to teach the basic principles of immunology as it relates to the practice of dentistry and the process of infectious disease.

DDDS 6770 Neuroscience  
Credit 1.5. 1.5 Lecture Hour.  
Gross structural features and functions of the human nervous system; emphasis on physiology of nerve membrane and receptors, neural pathways for the major sensory and motor systems; the cranial nerves; and the autonomies of the head and neck.

DDDS 6800 Occlusion  
Credit 1. 1 Lecture Hour.  
Temporomandibular joint occlusal function; intercuspal relationships; mandibular movements; record transfer; use of a semi-adjustable articulator.

DDDS 6804 Occlusion - C  
Credit 1. 1 Lab Hour.  
Preclinical laboratory to accompany course 6800.

DDDS 6820 Oral Histology  
Credits 2. 1 Lecture Hour. 1 Lab Hour.  
Normal development and structure of tissues associated with the tooth proper, its adnexa and the oral cavity; light-, scanning electron-, and transmission electron-microscopy; emphasis on clinical aspects of oral histology.

DDDS 6840 Operative Dentistry  
Credit 1. 1 Lecture Hour.  
Introduction to the treatment of diseased and injured teeth; emphasis on principles of cavity preparation; principles and manipulation of restorative materials.

DDDS 6844 Operative Dentistry - C  
Credits 2. 2 Lab Hours.  
Preclinical laboratory to accompany course 6840.

DDDS 6850 Cultural Competence in Dental Health Care and Education  
Credits 0.5. 0.5 Lecture Hours.  
Explores cultural differences and similarities while increasing awareness of values and beliefs that impact health care and communication. Must be taken on a satisfactory/unsatisfactory basis.

DDDS 6860 Introduction to Evidence Based Dentistry and Clinical Research  
Credits 2.5. 2.5 Lecture Hours.  
Lecture and group sessions to introduce the functional principles of how to formulate a focused research question and how to search the literature to identify and evaluate evidence to answer that question.

DDDS 6870 Physiology  
Credits 5.5. 2.8 Lecture Hours. 2.8 Lab Hours.  
Theory and principles of human body function; detailed study of the cell membrane, skeletal muscle, blood, heart, lungs, gastrointestinal system, kidney and endocrine glands; demonstration of many principles in laboratory exercises.

DDDS 6880 General Pathology  
Credits 4. 2 Lecture Hours. 2 Lab Hours.  
This lecture course aimed at presenting the basic mechanisms on the organ systems of the body. It is also intended to provide an understanding of the more common diseases and, where appropriate, how they might impact the management of the dental patient.

DDDS 7010 Dental Auxiliary Utilization  
Credits 0.5. 0.5 Lecture Hours.  
Utilization of the chair-side dental assistant; self-study module.

DDDS 7020 Endodontics  
Credit 1. 1 Lecture Hour.  
Introduction to endodontics; technical and biological bases for nonsurgical root canal therapy; access, cleaning, shaping and filling of root canals.

DDDS 7024 Endodontics - C  
Credit 1. 1 Lab Hour.  
Preclinical laboratory; discussion and demonstrations of techniques for nonsurgical root canal therapy including access opening, cleaning, shaping and filling of root canals in models and extracted teeth.

DDDS 7040 Fixed Prosthodontics  
Credits 3. 3 Lecture Hours.  
Instruction in the design and fabrication of fixed partial dentures and crown restorations, implants, preparations, fabrication techniques and related dental materials.

DDDS 7044 Fixed Prosthodontics - C  
Credits 4. 4 Lab Hours.  
Laboratory to accompany course DDDS 7040.

DDDS 7080 Introduction to Clinical Practice II  
Credit 1. 0.5 Lecture Hours. 0.5 Lab Hours.  
Introduction to Clinical Practice II. Introduction, orientation to the various clinical disciplines; concepts and implementation of quality assurance issues in dental practice, aseptic techniques, patient communications, diversity ethics, instrument management, initial introductory endodontics information, dental patient record management, rotations patient assignments, and culturally sensitive patient interviewing information.

DDDS 7084 Introduction to Clinical Practice II-C  
Credit 1.5. 1.5 Other Hour.  
Clinic applications to accompany course 7080; including rotations through various discipline clinics, several simulations of clinical operative procedures using computer documentation, small group sessions where students participate in simulated culturally sensitive patient interviewing exercises.

DDDS 7100 Operative Dentistry  
Credit 1. 1 Lecture Hour.  
Treatment of diseased and injured teeth; emphasis on principles of cavity preparation; principles and manipulation of restorative materials.

DDDS 7104 Operative Dentistry - C  
Credits 2. 2 Lab Hours.  
Preclinical laboratory to accompany course 7100.
DDDS 7120 Basic Principles and Techniques of Dentoalveolar Surgery  
Credit 1. 0.5 Lecture Hours. 0.5 Lab Hours.  
Introduction to the basic principles and techniques of dentoalveolar surgery; presurgical patient evaluation, risk management and assessment; surgical instrument identification and vocabulary, principles of soft tissue surgery, sterile techniques and infection control; preprosthetic surgical techniques.

DDDS 7140 Preclinical Diagnostic Sciences II  
Credit 1. 1 Lecture Hour.  
Introduction to clinical diagnostic methods and its vocabulary that contribute to the assessment of the dental patient. Techniques of gathering diagnostic information from the patient history, the extraoral physical examination and clinical laboratory studies.

DDDS 7160 Oral Pathology  
Credits 2. 2 Lecture Hours.  
Etiology, pathogenesis and clinical aspect of oral disease and oral manifestations of systemic disease.

DDDS 7170 Oral Radiology  
Credits 2. 2 Lecture Hours.  
The basic concepts of radiation physics, the generation of X-rays; operation of the X-ray unit; the control factors involved in the production of radiographic images, intraoral, extraoral and specialized radiographic acquisition techniques; and the radiographic interpretation of normal anatomy, dental caries, periodontal disease and dental anomalies.

DDDS 7173 Oral Radiography - C  
Credits 0.5. 0.5 Other Hours.  
Supervised practical experience in the application of the principles of radiographic image formation.

DDDS 7190 Preclinical Diagnostic Sciences II  
Credit 1. 1 Other Hour.  
Techniques and vocabulary that contribute to the diagnosis of dental diseases, abnormalities of teeth and non-dental lesions of the orofacial region. Physical and radiographic examination of oral/perioral tissues and the application of findings to diagnostic decisions are emphasized. Also, includes clinical documentation and dental treatment planning.

DDDS 7210 Orthodontics  
Credit 1. 1 Lecture Hour.  
Introductory information regarding evaluation of tooth position problems, treatment planning for minor orthodontic problems, including primary, mixed and adult dentitions. Diagnosis will be emphasized.

DDDS 7214 Orthodontics - C  
Credit 1. 1 Lab Hour.  
Basic techniques of wire and acrylic manipulation, including soldering, welding, band fabrication and bonding in a laboratory setting.

DDDS 7230 Local Anesthesia / Nitrous Oxide-Oxygen Conscious Sedation  
Credit 1. 0.5 Lecture Hours. 0.5 Other Hours.  
Regional pain control; nitrous oxide-oxygen sedation and enteral conscious sedation, preanesthetic evaluation of patients, techniques of administration, pharmacology, side effects, complications and risk, and management of complications.

DDDS 7250 Pediatric Dentistry  
Credits 2. 1 Lecture Hour. 1 Lab Hour.  
An introductory course to pediatric dentistry presented in small-group seminars, preclinical laboratory basic operative skills, diagnosis and treatment planning, behavioral management strategies, an introductory patient experience activity, and observation of clinical treatment in preparation for the pediatric clinical courses.

DDDS 7270 Periodontics  
Credits 2. 2 Lecture Hours.  
Classification of periodontal disease, systemic and dysfunctional factors associated with periodontal disease, diagnosis and management of periodontal diseases, emphasis on specific therapeutic techniques.

DDDS 7274 Periodontics - C  
Credit 1. 0.5 Lab Hours. 0.5 Other Hours.  
Periodontics – C. Clinical applications of course DDDS 7270.

DDDS 7290 Dental Pharmacology  
Credits 2. 2 Lecture Hours.  
Terms and principles essential to understanding the rational use of drugs in dental practice; pharmacology of drugs used in dentistry; prescription writing techniques; evaluation of patient drug histories.

DDDS 7330 Patient Management  
Credits 0.5. 0.5 Lecture Hours.  
Scientific basis for oral disease assessment and strategies for prevention and/or management of oral diseases.

DDDS 7350 Removable Prosthodontics  
Credits 2. 2 Lecture Hours.  
Concepts and techniques for fabricating complete and partial dentures. Complete dentures fabricated on a manikin, theory of various denture occlusions; RPD design and construction, immediate dentures, restoration of implants, mouth preparation and laboratory communication.

DDDS 7353 Removable Prosthodontics - C  
Credits 4. 4 Lab Hours.  
Preclinical laboratory to accompany course DDDS 7350.

DDDS 7400 Application of Evidence Based Dentistry I  
Credits 0.5. 0.5 Other Hours.  
Small group sessions review clinically relevant articles using the foundational information from the first year evidence-based dentistry course.

DDDS 7410 National Dental Board Part I Review  
Credit 1. 1 Lecture Hour.  
Presents discipline-based and case-based review material on the four sections of the NBDE including experience in taking practice examinations.

DDDS 7420 Microbiology  
Credits 3. 3 Lecture Hours.  
Microorganism metabolism, genetics, bacteriology, virology, mycology, chemotherapy, sterilization, disinfection, and the microorganisms of oral diseases.

DDDS 8000 Summer Clinic - C  
Credits 0. 0 Other Hours.  
All phases of clinic practice; mandatory attendance for third-year students.

DDDS 8004 Clinical Preventive Dentistry - C  
Credits 0.5. 0.5 Other Hours.  
Clinical applications of disease detection, risk assessment, behavioral modification and needs-based preventative measures.
DDDS 8034 Comprehensive Care Program - C
Credits 4. 4 Other Hours.
A clinical instruction and mentoring system with seminars that allows the student-clinician to learn to provide and coordinate patient care, as defined by clinical competencies, in a setting that simulates effectively managed dental practices that are patient centered and quality assured. It includes patient management skills, professionalism, ethics, time management, record and patient audits, work habits, treatment planning and other facets consistent with complete and socially sensitive patient care.

DDDS 8044 Dental Auxiliary Utilization - C
Credit 1. 1 Other Hour.
Utilization of chairside dental assistant, clinical applications.

DDDS 8060 Endodontics
Credit 1. 1 Lecture Hour.
Clinical endodontic; diagnosis and management of pulpal and periradicular disease; integration of pulpal biology and clinical practice.

DDDS 8064 Endodontics - C
Credit 1. 1 Other Hour.
Clinical application of course DDDS 8060.

DDDS 8080 Fixed Prosthodontics
Credit 1.5. 1.5 Lecture Hour.
Biological, physiological, anatomical, and esthetic factors related to diagnosis, treatment planning and patient treatment.

DDDS 8084 Fixed Prosthodontics - C
Credits 3. 3 Other Hours.
Clinical application of course DDDS 8080.

DDDS 8140 Behavioral Dentistry/Dental Public Health
Credit 1. 1 Lecture Hour.
Behavioral management principles relevant to pain, anxiety, cultural background, etc. Management, treatment, prevention and disease control for geriatric patients. Motivational interviewing exercises for protection and management of oral health is taught. Dental public health and concepts of managing geriatric patients is included in the latter half of the course.

DDDS 8160 Anesthesia in Dentistry
Credits 0.5. 0.5 Lecture Hours.
Indications, contraindications, risks and techniques of enteral, parenteral and general anesthesia as applicable to dentistry.

DDDS 8180 Implant Dentistry
Credit 1. 0.5 Lecture Hours. 0.5 Lab Hours.
Indications and evidence-based rationale for dental implants, diagnosis and treatment planning, surgical concepts of placement, prosthodontic restorative treatment for single tooth, partially edentulous and completely edentulous patients, and maintenance procedures.

DDDS 8200 Occlusion
Credit 1. 1 Lecture Hour.
Diagnosis and treatment of potentially pathologic and clinically pathologic occlusal conditions; etiologic factors; effects of pathofunction on oral tissues; diagnostic aids and methods of treatment.

DDDS 8204 Occlusion – C
Credit 1. 1 Other Hour.
Laboratory exercises to accompany course DDDS 8200.

DDDS 8220 Operative Dentistry
Credit 1.5. 1.5 Lecture Hour.
Clinical principles of operative dentistry, the art and science of treating diseased teeth; restoration of proper tooth form, function and esthetics.

DDDS 8224 Operative Dentistry - C
Credits 3. 3 Other Hours.
Clinical application of course DDDS 8220.

DDDS 8240 Advanced Principles and Techniques of Dentoalveolar Surgery
Credit 1. 1 Lecture Hour.
Continuation of course DDDS 7120. Emphasis on more advanced principles and techniques of dentoalveolar surgery and patient management, advanced pre-prosthetic surgery, odontogenic infections and management, maxillary sinus conditions and disease, osseointegrated implants, and principles of biopsy.

DDDS 8241 Oral and Maxillofacial Surgery: Chronic Pain and Hospital Dentistry
Credit 1. 0.5 Lecture Hours. 0.5 Lab Hours.
Continuation of course DDDS 8240 with emphasis on more advanced surgical procedures and concepts; temporomandibular joint disease and chronic orofacial pain; peripheral nerve injuries; hospital dentistry; dentoalveolar and craniofacial trauma and management.

DDDS 8244 Oral and Maxillofacial Surgery - C
Credit 1. 1 Other Hour.
Clinical application of course DDDS 8240.

DDDS 8264 Oral Diagnosis - C
Credit 1.5. 1.5 Other Hour.
Provides the format for the student’s practical experience in the diagnosis and treatment planning for the dental patient; clinical rotations with patient screening; the diagnosis and treatment planning for assigned clinical patients.

DDDS 8280 Clinical Principles of Patient Evaluation
Credits 2. 2 Lecture Hours.
Diagnostic sciences and clinical principles of patient evaluation; interactive case-based, problem-solving course requiring the utilization of differential diagnosis skills of clinical oral signs and symptoms with an emphasis on oral pathology and a variety of head and neck diseases and conditions encountered in the practice of dentistry.

DDDS 8304 Oral Radiography - C
Credits 0.5. 0.5 Other Hours.
Application of basic principles, procedures and techniques of clinical radiology to patients.

DDDS 8320 Orthodontics
Credit 1. 1 Lecture Hour.
Introduction to orthodontic diagnosis and treatment; biological principles of tooth movement; cephalometric analysis; fundamentals of design, selection, and use of fixed and removable appliance systems and interdisciplinary interaction.

DDDS 8324 Orthodontics - C
Credits 0.5. 0.5 Other Hours.
Clinical application of course DDDS 8320.

DDDS 8340 Pediatric Dentistry
Credit 1.5. 1.5 Lecture Hour.
Lectures and small-group seminars covering treatment planning and child management; special problems in pediatric dentistry; emphasis on complete dental rehabilitation of patients.

DDDS 8344 Pediatric Dentistry - C
Credit 1. 1 Other Hour.
Clinical application of course DDDS 8340.
DDDS 8360 Periodontics  
Credit 1. 1 Lecture Hour.  
Introduction to advanced periodontal techniques; periodontics as it relates to general practice and comprehensive case analysis, and treatment planning emphasizing periodontal literature and interdisciplinary concerns.

DDDS 8364 Periodontics - C  
Credits 2. 2 Other Hours.  
Clinical application of course DDDS 8360.

DDDS 8370 Professional Ethics  
Credit 1. 1 Lecture Hour.  
Principles and theory, case analysis and decision-making; humanizing health care; general ethics; obligations of health professionals; bioethics; review of dental-specific ethics literature; includes small group sessions.

DDDS 8380 Medical Pharmacology  
Credit 1.5. 1.5 Lecture Hour.  
Pharmacology of drugs used in medicine impacting dental patient evaluation and management. Focus is on fundamental drug information necessary for patient evaluation, the drug history and understanding potential adverse events, mechanisms of action, pharmacokinetics pharmacodynamics, and drug interactions with medications prescribed for dental procedures.

DDDS 8400 Removable Prosthodontics  
Credit 1.5. 1.5 Lecture Hour.  
Fabrication and delivery of removable complete dentures, partial dentures and immediate dentures.

DDDS 8404 Removable Prosthodontics - C  
Credits 3. 3 Other Hours.  
Clinical application of course DDDS 8400.

DDDS 8500 Office Medical Emergencies  
Credits 0.5. 0.5 Lecture Hours.  
Prevention, recognition and management of medical emergencies; management of medically compromised patients.

DDDS 8600 Advanced Removable Prosthodontics  
Credit 1. 1 Lecture Hour.  
Extension of course DDDS 8400 with emphasis on advanced concepts for removable complete dentures, partial dentures, immediate dentures and prosthetic restoration of implants.

DDDS 8610 Periodontics  
Credits 0.5. 0.3 Lecture Hours. 0.3 Lab Hours.  
Intended to reinforce the principles of non-surgical management of periodontal disease and to better prepare for first clinical experiences; a review of periodontal hand instrumentation, infection control in the clinic and hands-on set-up and use of the Cavitron ultrasonic instrument; includes the relationship of periodontics and restorative dentistry and the proper usage of radiography in dentistry.

Prerequisites: DDDS 7270 and DDDS 7274.

DDDS 9000 Summer Clinic  
Credits 0.  
All phases of clinical practice; mandatory attendance for fourth-year students.

DDDS 9004 Clinical Services Assignment - C  
Credits 4.5. 4.5 Other Hours.  
Clinical Services Assignment – C. Continuing clinical experience in selected specialties; emergency treatment in a practice setting; oral and maxillofacial surgery appropriate for general practice; oral diagnosis; treatment planning.

DDDS 9030 Diagnosis and Treatment Planning Seminar  
Credit 1. 1 Lecture Hour.  
Lecture and small group sessions familiarize students with “phase treatment planning,” interviewing patients, systemic disease issues, disease control, definitive treatment, maintenance and recall.

DDDS 9040 Advancements in Techniques and Materials  
Credit 1.5. 1.5 Lecture Hour.  
Innovations and advancements in dental materials and techniques; advantages and disadvantages; scientific basis for selection of materials and techniques.

DDDS 9044 General Dentistry - C  
Credits 20. 20 Other Hours.  
All phases of general dentistry performed as required for each assigned patient; seminars and student presentations. The General Dentistry program is inclusive of fixed prosthodontics, geriatrics, removable prosthodontics, operative dentistry, oral and maxillofacial surgery, oral diagnosis, orthodontics, pediatric dentistry, periodontics, endodontics, community health and preventive dentistry, oral radiography, and special care clinic.

DDDS 9050 Selected Advanced Topics in Oral And Maxillofacial Surgery  
Credits 0.5. 0.3 Lecture Hours. 0.3 Lab Hours.  
Emphasis is on more advanced and complex oral and maxillofacial surgical concepts more typically performed by the specialist in oral and maxillofacial surgery; extending the student’s capability for patient evaluation. Topics include major facial trauma, bone grafting, reconstruction of head and neck defects, orthographics, life threatening infections and others.

DDDS 9070 Orthodontics  
Credit 1. 1 Lecture Hour.  
Comprehensive case analysis and treatment planning; role of the general dentist in detection, interception and treatment of orthodontic problems.

DDDS 9080 Community Dentistry Externship  
Credits 0.5. 0.5 Other Hours.  
Clinical experiences with historically underserved populations throughout a community dental center, the juvenile justice center, and other public health facilities.

DDDS 9090 Pediatric Dentistry  
Credit 1. 1 Lecture Hour.  
Lectures and small-group seminars, including child abuse, practice management, cleft lip/palate and case-based problem-solving exercises.

DDDS 9110 Applied Pharmacology  
Credit 1. 1 Lecture Hour.  
Pharmacology in dental practice; therapeutic use of drugs; toxicology; practice in evaluating patient drug histories with special emphasis on drug interactions in patients receiving multiple drug therapy.

DDDS 9120 Practice Administration  
Credit 1. 1 Lecture Hour.  
Associateships, other professional practice opportunities, purchasing existing practices; locating and financing a dental practice; taxes and insurance; management, staffing and delegation of duties marketing; Occupational Safety and Health Administration; stress management; third-party consideration.

DDDS 9140 Professional Ethics and Dental Jurisprudence  
Credits 0.5. 0.5 Lecture Hours.  
Principles and theory, professional responsibility; case discussion and analysis/decision-making; humanizing health care; virtue ethics; legal aspects of dental practice; state board interactions and policies.
DDDS 9160 Senior Seminar  
Credit 1. 1 Lecture Hour.  
Topics and issues of special concern to dental practitioners.

DDDS 9190 Advanced Principles of Patient Evaluation  
Credit 1. 1 Lecture Hour.  
Advanced problem-solving for complex dental diagnostic issues; case presentations with focus on medically compromised patients, uncommon dental diseases and treatment planning.

DDDS 9200 Comprehensive Care for the Medically Compromised and Special Needs Patients  
Credits 0.5.  
Reviews management and treatment issues relevant to medically compromised and special needs patients. Includes health history, medication issues, treatment planning, material and techniques, clinical management and needs assessment for sedation. The information enhances the students interactions in the special care clinic and the General Dentistry Clinic.

DDDS 9210 Advanced Technologies in General Dentistry  
Credits 0.5.  
Utilization of advanced technologies such as radiosurgery, the dental operating microscope, soft tissue lasers, CAD/CAM systems, the Isolite retraction/illumination/aspiration system and the iTero Optical impression system in order to familiarize the students with the operation and use of this equipment prior to use in the clinic.

DDDS 9220 Enteral Conscious Sedation and Emergency Protocols  
Credit 1.  
Provides information regarding Level 1 permit rules and regulations, physical assessment, pharmacology of enteral agents, local anesthesia/nitrous implications, pediatric assessment and clinical protocols related to the safe delivery of Enteral Conscious Sedation; satisfies the didactic requirements for a Level 1 Minimal Sedation Permit in the State of Texas. Must be taken on a satisfactory/unsatisfactory basis.

DDDS 9230 Advanced Endodontics Concepts  
Credits 0.5. 6 Lecture Hours.  
Advanced course for senior dental students to broaden their understanding of clinical endodontic concepts including cleaning and shaping techniques, complex diagnoses, obturation systems, irrigation protocols, inter-relationship of endodontics with restorative and periodontal principles, resorption, and National Board review. 
Prerequisites: ENDO 7020, ENDO 7024, ENDO 8060.

DDDS 9240 National Board Dental Exam Part II Review  
Credit 1. 1 Lecture Hour.  
Formal establishment of a mandatory NDBE II review course in the fall semester of the D4 curriculum; intended outcome of this review is to increase the first-time pass rate on the NBDE II. 
Prerequisite: DDDS 7410.

DDDS 9250 Managing Cultural Issues in Patience Care  
Credits 0.5. 0.5 Lecture Hours.  
Allows student reflection on care provided to patients who identify with cultures that differ from their own to assess strengths and weaknesses in their ability to provide culturally sensitive care and recognize strategies that can be used to effectively manage similar encounters in the future. Must be taken on a satisfactory/unsatisfactory basis.